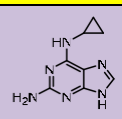
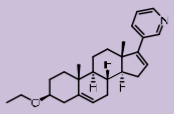
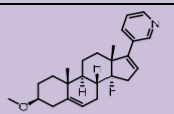
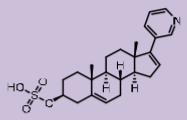
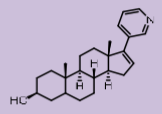
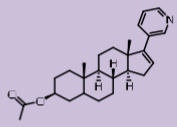
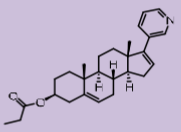
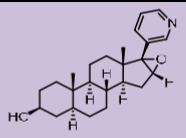
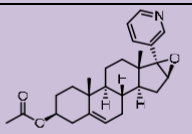
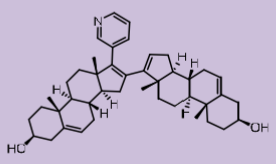
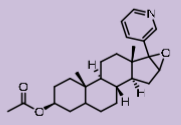
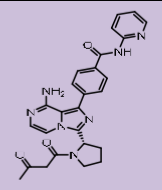
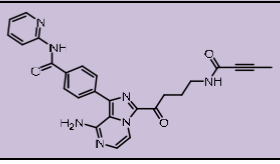
API Impurities (as per EP, USP, IP, BP etc.) / Intermediate / Custom Synthesis

S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
1	**Abacavir**	N6-Cyclopropyl-9H-Purin-2,6-diamine		impurity	rine-2,6-diamine AQ-TR-C-1183	N6-cyclopropyl-9H-purine-2,6-diamine	120503-69-7	Abacavir Impurity	C8H10N6	190.21
2	**Abiraterone**	Abiraterone Ethyl Ether		Impurity	AQ-TR-C-244	3-((3S,8R,9S,10R,13S,14S)-3-ethoxy-10,13 dimethyl-2,3,4,7,8,9,10,11,12,13,14,15-dodecahydro-1H-cyclopenta[a]phenanthren-17-yl)pyridine	2484719-14-2	NA	C26H35NO	377.57
3		Abiraterone Methyl Ether		Impurity	AQ-TR-C-243	3-((3S,8R,9S,10R,13S,14S)-3-methoxy-10,13-dimethyl-2,3,4,7,8,9,10,11,12,13,14,15-dodecahydro-1H-cyclopenta[a]phenanthren-17-yl)pyridine	1470276-23-3	NA	C25H33NO	363.55
4		Abiraterone Sulfate		Impurity	AQ-TR-C-293	(3S,8R,9S,10R,13S,14S)-10,13-dimethyl-17-(pyridin-3-yl)-2,3,4,7,8,9,10,11,12,13,14,15-dodecahydro-1H-cyclopenta[a]phenanthren-3-yl hydrogen sulfate	1993430-25-3	NA	C24H31NO4S	429.58
5		Abiraterone Acetate Reduced Impurity		Impurity	AQ-TR-C-710	(3β)-17-(pyridine-3-yl) androsta-16-ene-3 ol	219843-75-1	NA	C24H33NO	351.53
6		Abiraterone acetate reduced impurity		Impurity	AQ-TR-C-924	(3S,8R,9S,10S,13S,14S)-10,13-dimethyl-17-(pyridin-3-yl)-2,3,4,5,6,7,8,9,10,11,12,13,14,15-tetradecahydro-1H-cyclopenta[a]phenanthren-3-yl acetate	2141996-19-0	NA	C26H35NO2	393.57
7		Abiraterone propionate Impurity		impurity	AQ-TR-C-1218	(3S,8R,9S,10R,13S,14S)-10,13-dimethyl-17-(pyridin-3-yl)-2,3,4,7,8,9,10,11,12,13,14,15-dodecahydro-1H-cyclopenta[a]phenanthren-3-yl propionate	1620323-43-4	NA	C27H35NO2	405.58
8		α-EPOXY ABIRATERONE ACETATE		impurity	AQ-TR-C-1219	(2aS,4S,6aS,6bS,8aS,8bR,9aR,10aS,10bR)-6a,8a-dimethyl-8b-(pyridin-3-yl)hexadecahydro-1H-naphtho[2',1':4,5]indeno[1,2-b]oxiren-4-ol	219843-65-9	NA	C24H33NO2	367.53
9		α-Epoxy Abiraterone Acetate		impurity	AQ-TR-C-1238	(4S,6aR,6bS,8aS,8bS,9aS,10aS,10bR)-6a,8a-dimethyl-8b-(pyridin-3-yl)-3,4,5,6,6a,6b,7,8,8a,8b,9a,10,10a,10b-tetradecahydro-1H-naphtho[2',1':4,5]indeno[1,2-b]oxiren-4-yl acetate	2484719-26-6	NA	C26H33NO3	407.55
10		Abiraterone Dimer Impurity		impurity	AQ-TR-C-1239	Androsta-5,16-dien-3-ol, 16-[(3β)-3-hydroxyandrosta-5,16-dien-17-yl]-17-(3-pyridinyl)-, (3β)-	186826-70-0	NA	C43H57NO2	619.93
11		Abiraterone acetate reduced epoxide impurity		impurity	AQ-TR-C-1314	(4S,6aS,6bS,8aS,10aS,10bR)-6a,8a-dimethyl-8b-(pyridin-3-yl)hexadecahydro 1H-naphtho[2',1':4,5]indeno[1,2-b]oxiren 4-yl acetate	NA	NA	C26H35NO3	409.57
12		Acalabrutinib Impurity 2		Impurity	AQ-TR-C-893	(S)-4-(8-amino-3-(1-(3-oxobutanoyl) pyrrolidin-2-yl) imidazo [1,5-a]pyrazin-1-yl)-N-(pyridin-2-yl)benzamide	NA	NA	C26H25N7O3	483.53
13		Acalabrutinib Impurity 1		Impurity	AQ-TR-C-813	4-(8-amino-3-(4-(but-2-ynamido)butanoyl)imidazo[1,5-a]pyrazin-1-yl)-N-(pyridin-2-yl)benzamide	2230757-47-6	NA	C26H23N7O3	481.52

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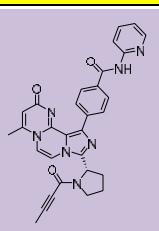
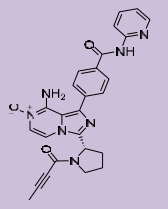
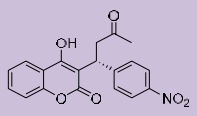
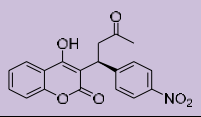
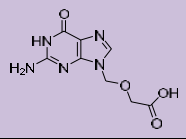
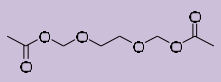
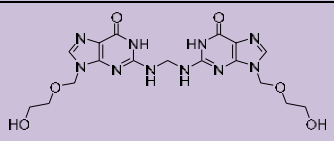
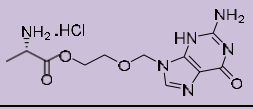
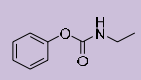
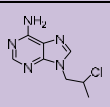
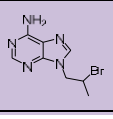
14	Acalabrutinib	ACA-dibutynoyl impurity		impurity	AQ-TR-C-1014	(S)-4-(9-(1-(but-2-ynoyl)pyrrolidin-2-yl)-4-methyl-2-oxo-2H-imidazo[5',1':3,4]pyrazino[1,2-a]pyrimidin-11-yl)-N-(pyridin-2-yl)benzamide	2490433-97-9	NA	C30H25N7O3	531.58
15		ACA-N-oxide impurity 2		impurity	AQ-TR-C-1015	(S)-8-amino-3-(1-(but-2-ynoyl)pyrrolidin-2-yl)-1-(4-(pyridin-2-ylcarbamoyl)phenyl)imidazo[1,5-a]pyrazine 7-oxide	NA	NA	C26H23N7O3	481.52
16		ACA-N-Oxide impurity-1		impurity	AQ-TR-C-1016	(S)-2-(4-(8-amino-3-(1-(but-2-ynoyl)pyrrolidin-2-yl)imidazo[1,5-a]pyrazin-1-yl)benzamido)pyridine 1-oxide	NA	NA	C26H23N7O3	481.52
17	Acenocoumarol	(R)-Acenocoumarol		Impurity	AQ-TR-C-729	(R)-4-hydroxy-3-(1-(4-nitrophenyl)-3-oxobutyl)-2H-chromen-2-one	66556-77-2	NA	C19H15NO6	353.33
18		(S)-Acenocoumarol		Impurity	AQ-TR-C-730	(S)-4-hydroxy-3-(1-(4-nitrophenyl)-3-oxobutyl)-2H-chromen-2-one	66556-78-3	NA	C19H15NO6	353.33
19	Acyclovir	Carboxy Acyclovir Imp INH		Impurity	AQ-TR-C-103	2-((2-amino-6-oxo-1,6-dihydro-9H-purin-9-yl)methoxy)acetic acid	80685-22-9	Acyclovir Acid; CMMG	C8H9N5O4	239.19
20		2-(acetyloxymethoxy)ethoxymethyl acetate		Impurity	AQ-TR-C-769	(ethane-1,2-diylbis(oxy))bis(methylene) diacetate	90114-17-3	NSC 57560	C8H14O6	206.19
21		Acyclovir EP Impurity-K		Impurity	AQ-TR-C-814	2,2'-(methylenebis(azanediyl))bis(9-((2-hydroxyethoxy)methyl)-1,9-dihydro-6H-purin-6-one)	NA	NA	C17H22N10O6	462.43
22		Acyclovir L-Alaninate		impurity	AQ-TR-C-971	2-((2-amino-6-oxo-3,6-dihydro-9H-purin-9-yl)methoxy)ethyl L-alaninate hydrochloride	84499-63-8	NA	C11H17ClN6O4	332.75
23		Phenyl N-ethyl Carbamate		impurity	AQ-TR-C-1265	phenyl ethylcarbamate	17576-39-5	Ethylcarbamic acid phenyl ester	C9H11NO2	165.19
24	Adenine	2-Chloropropyl Adenine		Impurity	AQ-TR-C-344	9-(2-chloropropyl)-9H-purin-6-amine	50615-40-2	NA	C8H10ClN5	211.65
25		2- Bromopropyl Adenine		Impurity	AQ-TR-C-345	9-(2-bromopropyl)-9H-purin-6-amine	NA	NA	C8H10BrN5	256.11

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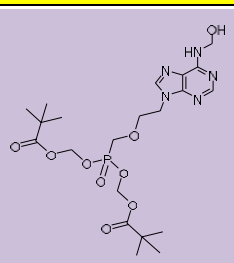
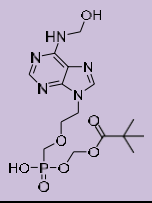
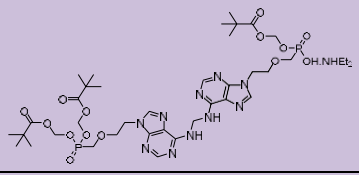
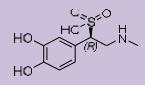
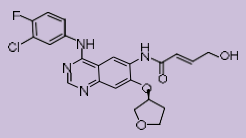
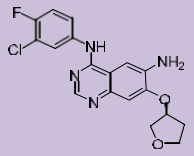
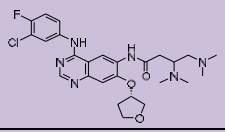
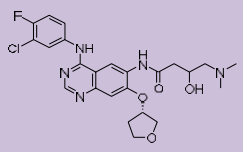
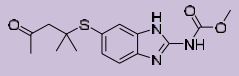
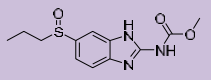
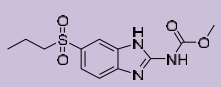
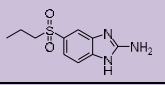
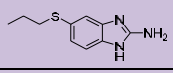
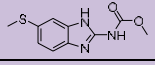
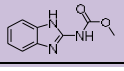
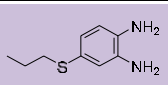
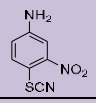
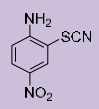
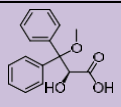
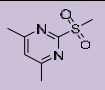
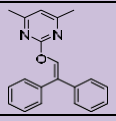
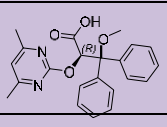
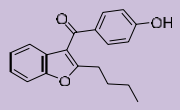
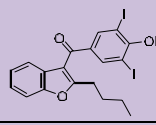
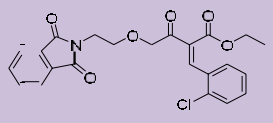
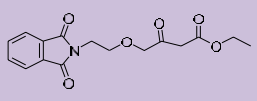
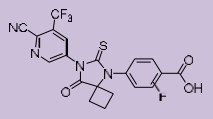
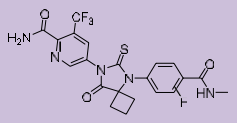
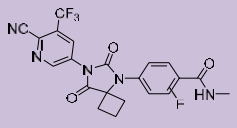
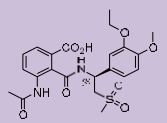
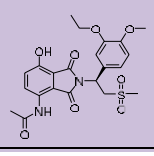
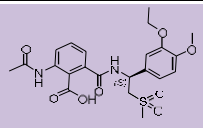
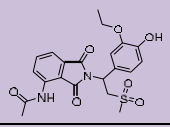
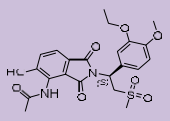
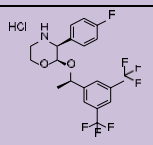
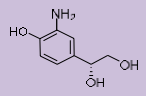
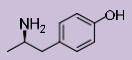
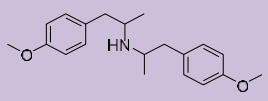
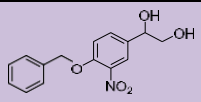
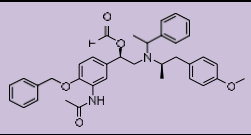
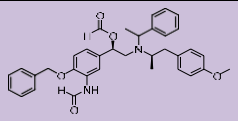
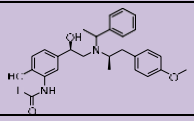
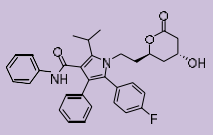
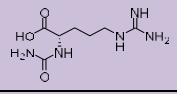
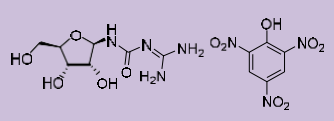
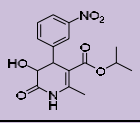
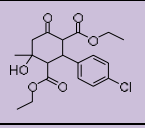
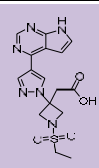
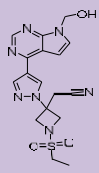
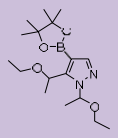
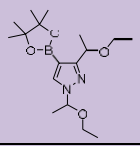
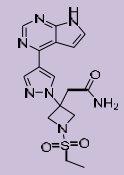
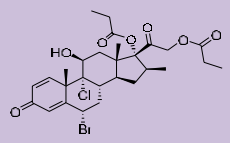
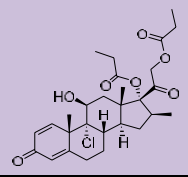
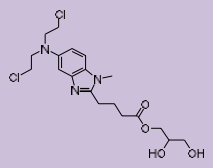
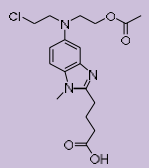
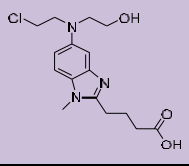
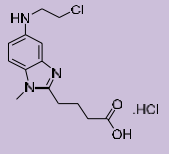
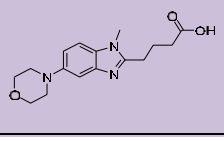
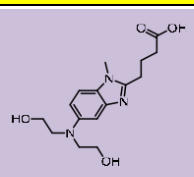
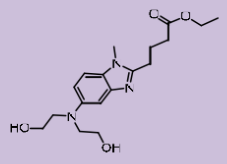
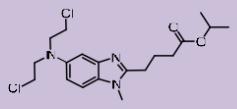
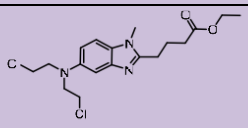
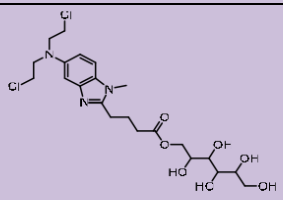
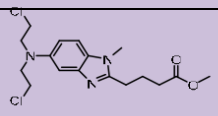
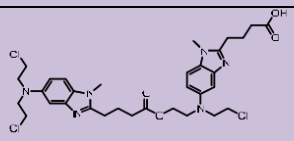
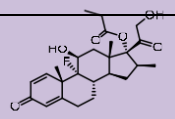
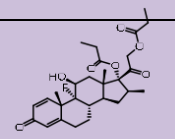
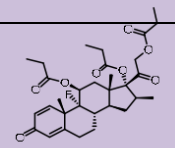
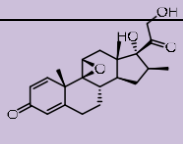
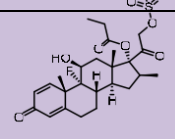
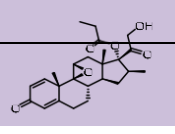
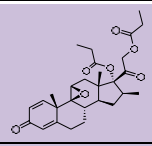
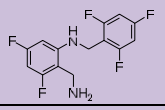
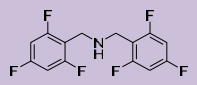
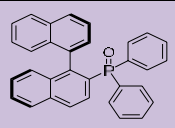
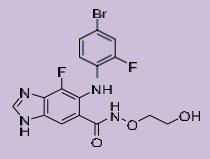
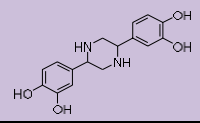
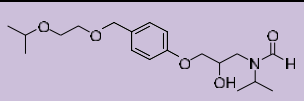
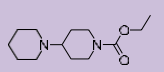
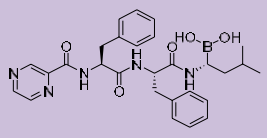
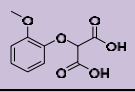
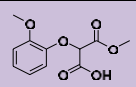
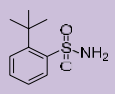
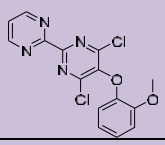
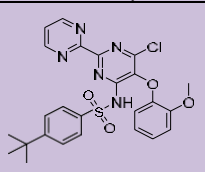
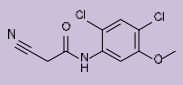
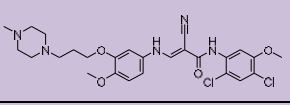
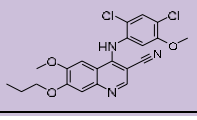
26	Adefovir	Adefovir Dipivoxil N6-Hydroxy methyl impurity		Impurity	AQ-TR-C-736	((((2-(6-((hydroxymethyl)amino)-9H-purin-9-yl)ethoxy)methyl)phosphoryl)bis(oxy))bis (methylene) bis(2,2-dimethylpropanoate)	323201-04-3	NA	C21H34N5O9P	531.5
27		Adefovier Dipivoxil Impurity-5		Impurity	AQ-TR-C-798	((hydroxy((2-(6-((hydroxymethyl)amino)-9H-purin-9-yl)ethoxy)methyl)phosphoryl)oxy)methyl pivalate	NA	NA	C15H24N5O7P	417.36
28		Adefovir Tripivoxil Dimer Diethylamine salt		impurity	AQ-TR-C-1105	Diethylamine ((((2-(6-((((9-(2-((hydroxy((pivaloyloxy)methoxy)phosphoryl)methoxy)ethyl)-9H-purin-6-yl)amino)methyl)amino)-9H-purin-9-yl)ethoxy)methyl)phosphoryl)bis(oxy))bis (methylene) bis(2,2-dimethylpropanoate)	Na	NA	C35H54N10O14P2 (Free base) C39H65N11O14P2 (Salt)	900.82 (Free base) 973.96 (Salt)
29	Adrenaline	Adrenaline Impurity - F		Impurity	AQ-TR-C-024	(R)-1-(3,4-dihydroxyphenyl)-2-(methylamino)ethane-1-sulfonic acid	78995-75-2	NA	C9H13NO5S	247.27
30	Afatinib	4-Hydroxy 4-Dedimethylamino Afatinib		Impurity	AQ-TR-C-601	(S,E)-N-(4-((3-chloro-4-fluorophenyl)amino)-7-((tetrahydrofuran-3-yl)oxy)quinazolin-6-yl)-4-hydroxybut-2-enamide	2121530-37-6	NA	C22H20ClFN4O4	458.87
31		Afatinib Impurity B		Impurity	AQ-TR-C-602	(S)-N4-(3-chloro-4-fluorophenyl)-7-((tetrahydrofuran-3-yl)oxy)quinazoline-4,6-diamine	314771-76-1	NA	C18H16ClFN4O2	374.8
32		Afatinib Bis-dimethylamino Impurity		impurity	AQ-TR-C-1097	N-(4-((3-chloro-4-fluorophenyl)amino)-7-(((S)-tetrahydrofuran-3-yl)oxy)quinazolin-6-yl)-3,4-bis(dimethylamino)butanamide	2414260-31-2	Butanamide, N-[4-[(3-chloro 4-fluorophenyl)amino]-7-[[(3S)-tetrahydro-3-furanyl]oxy]-6-quinazolinyl]-3,4-bis(dimethylamino)-	C26H32ClFN6O3	531.03
33		N-(4-((3-chloro-4-fluorophenyl)amino)-7-(((S)-tetrahydrofuran-3-yl)oxy)quinazolin-6-yl) 4-(dimethylamino)-3-hydroxybutanamide		impurity	AQ-TR-C-1098	N-(4-((3-chloro-4-fluorophenyl)amino)-7-(((S)-tetrahydrofuran-3-yl)oxy)quinazolin-6-yl)-4-(dimethylamino)-3-hydroxybutanamide	2323570-72-3	Afatinib Impurity AFT-8; 3-Hydroxy Afatinib Impurity / 3-Hydroxy Afatinib Impurity	C24H27ClFN5O4	503.95
34	Albendazole	Albendazole impurity (Albendazole EP Impurity-H)		Impurity	AQ-TR-C-254	methyl (6-((2-methyl-4-oxopentan-2-yl)thio)-1H-benzo[d]imidazol-2-yl)carbamate	NA	NA	C15H19N3O3S	321.4
35		Albendazole sulfoxide (Albendazole EP impurity B)		Impurity	AQ-TR-C-255	methyl (6-(propylsulfinyl)-1H-benzo[d]imidazol-2-yl)carbamate	54029-12-8	RS 8852; Ricobendazole; Rycobendazole	C12H15N3O3S	281.33
36		Albendazole sulfone (Albendazole EP impurity C)		Impurity	AQ-TR-C-256	methyl (6-(propylsulfonyl)-1H-benzo[d]imidazol-2-yl)carbamate	75184-71-3	NA	C12H15N3O4S	297.33
37		Amino Albendazole Sulfone (Albendazole EP Impurity D)		Impurity	AQ-TR-C-289	5-(propylsulfonyl)-1H-benzo[d]imidazol-2 amine	80983-34-2	SKF 81038	C10H13N3O2S	239.29
38		Amino Albendazole (Albendazole EP Impurity A)		Impurity	AQ-TR-C-290	5-(propylthio)-1H-benzo[d]imidazol-2-amine	80983-36-4	NA	C10H13N3S	207.3
39		Albendazole EP Impurity F		Impurity	AQ-TR-C-291	methyl (6-(methylthio)-1H-benzo[d]imidazol-2-yl)carbamate	80983-45-5	NA	C10H11N3O2S	237.28
40		Albendazole EP Impurity E		Impurity	AQ-TR-C-292	methyl (1H-benzo[d]imidazol-2-yl)carbamate	10605-21-7	Carbendazim	C9H9N3O2	191.19

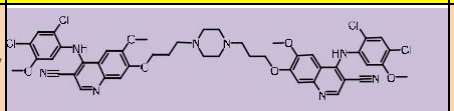
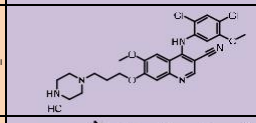
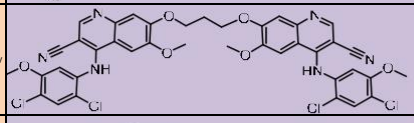
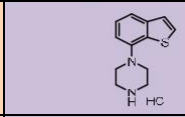
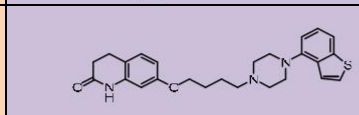
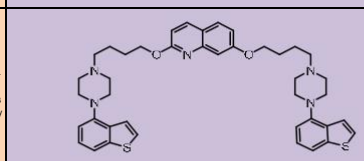
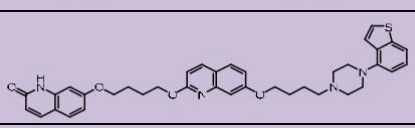
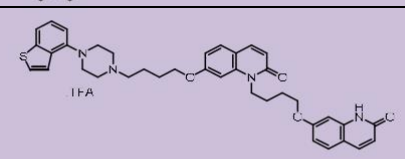
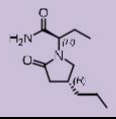
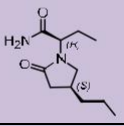
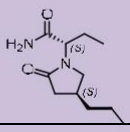
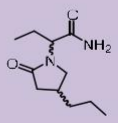
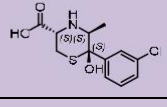
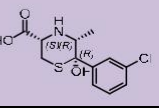
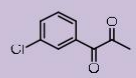
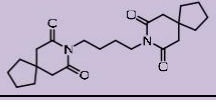
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
41		ABZ Diamine Impurity		Impurity	AQ-TR-C-489	4-(propylsulfanyl)-benzene-1,2-diamine; 4-(propylthio)benzene-1,2-diamine	66608-52-4	Albendazole Impurity 1	C9H14N2S	182.29
42		3-Nitro-4-thiocyano aniline		Impurity	AQ-TR-C-676	2-nitro-4-thiocyanatoaniline NA	NA	NA	C7H5N3O2S	195.2
43		4-Nitro-2-thiocyano-aniline		Impurity	AQ-TR-C-677	4-nitro-2-thiocyanatoaniline NA	NA	NA	C7H5N3O2S	195.2
44	Ambrisentan	Ambrisentan Impurity A		Impurity	AQ-TR-C-856	(S)-2-hydroxy-3-methoxy-3,3-diphenylpropanoic acid	178306-52-0	NA	C16H16O4	272.3
45		Ambrisentan Impurity C		Impurity	AQ-TR-C-857	4,6-dimethyl-2-(methylsulfonyl)pyrimidine	35144-22-0	NA	C7H10N2O2S	186.23
46		Ambrisentan Impurity D		Impurity	AQ-TR-C-858	2-((2,2-diphenylvinyl)oxy)-4,6-dimethylpyrimidine	1639429-81-4	Ambrisentan Vinyloxy Impurity	C20H18N2O	302.37
47		(R)-Ambrisentan		Impurity	AQ-TR-C-859	(R)-2-((4,6-dimethylpyrimidin-2-yl)oxy)-3-methoxy-3,3-diphenylpropanoic acid	1007358-76-0	NA	C22H22N2O4	378.43
48	Amiodarone	Amiodarone Impurity E		Impurity	AQ-TR-C-897	(2-butylbenzofuran-3-yl)(4-hydroxyphenyl)methanone	52490-15-0	L 3372; NSC 85438	C19H18O3	294.35
49		Amiodarone Impurity D		Impurity	AQ-TR-C-898	(2-butylbenzofuran-3-yl)(4-hydroxy-3,5-diiodophenyl)methanone	1951-26-4	Amiodarone EP Impurity D	C19H16I2O3	546.14
50	Amlodipine	Butanoic acid,2-[(2-chlorophenyl)methylene]-4-[2-(1,3-dihydro-1,3-dioxo-2h-isoindol-2-yl) ethoxy]-3-oxo-, ethyl ester		impurity	AQ-TR-C-1092	ethyl (E,Z)-2-(2-chlorobenzylidene)-4-(2-(1,3-dioxoisoindolin-2-yl)ethoxy)-3-oxobutanoate	400024-08-0	NA	C23H20ClNO6	441.86
51		Butanoic acid, 4-[2-(1,3-dihydro-1,3-dioxo 2h-isoindol-2-yl)ethoxy]-3-oxo- ,ethyl ester		impurity	AQ-TR-C-1093	ethyl 4-(2-(1,3-dioxoisoindolin-2-yl)ethoxy)-3-oxobutanoate	88150-75-8	NA	C16H17NO6	319.31
52	Apalutamide	Apalutamide APA-3 Acid		impurity	AQ-TR-C-1227	4-(7-(6-cyano-5-(trifluoromethyl)pyridin-3-yl)-8-oxo-6-thioxo-5,7-diazaspiro[3.4]octan-5-yl)-2-fluorobenzoic acid	1332391-04-4	NA	C20H12F4N4O3S	464.39
53		Apalutamide APA-3 Amide		impurity	AQ-TR-C-1228	5-(5-(3-fluoro-4-(methylcarbamoyl)phenyl)-8-oxo-6-thioxo-5,7-diazaspiro[3.4]octan-7-yl)-3-(trifluoromethyl)picolinamide	NA	NA	C21H17F4N5O3S	495.45
54		Apalutamide Dioxo Impurity		impurity	AQ-TR-C-1229	4-(7-(6-cyano-5-(trifluoromethyl)pyridin-3-yl)-6,8-dioxo-5,7-diazaspiro[3.4]octan-5-yl)-2-fluoro-N-methylbenzamide	1332391-92-0	NA	C21H15F4N5O3	461.38
55		Apremilast 3-Acetamido Benzoic Acid Impurity		Impurity	AQ-TR-C-075	(S)-3-acetamido-2-((1-(3-ethoxy-4-methoxyphenyl)-2-(methylsulfonyl)ethyl)carbamoyl)benzoic acid	2096492-41-8	NA	C22H26N2O8S	478.52
56		Apremi+C39:C41last Impurity RS-9		Impurity	AQ-TR-C-164	(S)-N-(2-(1-(3-ethoxy-4-methoxyphenyl)-2-(methylsulfonyl)ethyl)-7-hydroxy-1,3-dioxoisoindolin-4-yl)acetamide	2096492-44-1	NA	C22H24N2O8S	476.5

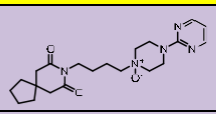
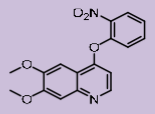
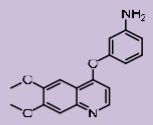
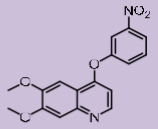
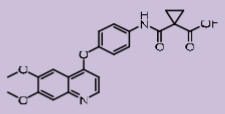
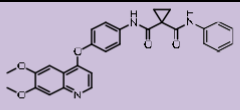
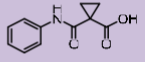
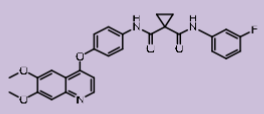
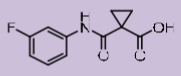
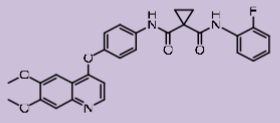
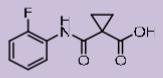
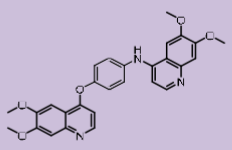
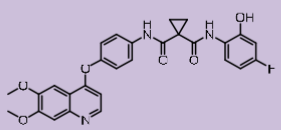
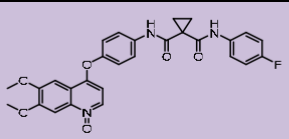
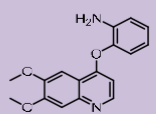
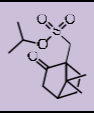
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
57	Apremilast	Apremilast 2-Acetamido Benzoic Acid Impurity		Impurity	AQ-TR-C-076	(S)-2-acetamido-6-((1-(3-ethoxy-4-methoxyphenyl)-2-(methylsulfonyl)ethyl)carbamoyl)benzoic acid	1809170-71-5	NA	C22H26N2O8S	478.52
58		O-Desmethyl Apremilast		Impurity	AQ-TR-C-282	N-(2-(1-(3-ethoxy-4-hydroxyphenyl)-2-(methylsulfonyl)ethyl)-1,3-dioxoisoindolin-4-yl)acetamide	1384441-38-6	NA	C21H22N2O7S	446.47
59		Apremilast Impurity RS-7		Impurity	AQ-TR-C-160	(S)-N-(2-(1-(3-ethoxy-4-methoxyphenyl)-2-(methylsulfonyl)ethyl)-5-hydroxy-1,3-dioxoisoindolin-4-yl)acetamide	NA	Apremilast Impurity 13; 5-Hydroxy Apremilast	C22H24N2O8S	476.5
60	Aprepitant	Aprepitant Impurity B HCl		impurity	AQ-TR-C-952	(2R,3S)-2-((R)-1-(3,5-bis(trifluoromethyl)phenyl)ethoxy)-3-(4-fluorophenyl)morpholine hydrochloride	171482-05-6	NA	C20H18F7NO2 C20H19ClF7NO2 (HCl Salt)	437.36 473.82 (HCl Salt)
61	Arformoterol	(R)-1-(3-amino-4-hydroxyphenyl)ethane-1,2-diol		Impurity	AQ-TR-C-520	(R)-1-(3-amino-4-hydroxyphenyl)ethane-1,2-diol	NA	NA	C8H11NO3	169.18
62		(R)-4-(2-aminopropyl)phenol		Impurity	AQ-TR-C-521	(R)-4-(2-aminopropyl)phenol 1518-89-4	NA	NA	C9H13NO	151.21
63		A-Amino dimer impurity		impurity	AQ-TR-C-1052	bis(1-(4-methoxyphenyl)propan-2-yl)amine	112376-21-3	Arformoterol impurity; Formoterol impurity	C20H27NO2	313.43
64		A-Hydroxy diol impurity		impurity	AQ-TR-C-1053	1-(4-(benzyloxy)-3-nitrophenyl)ethane-1,2-diol	876753-51-4	Arformoterol impurity; Formoterol impurity	C15H15NO5	289.29
65		O-Formyl N-Acetyl AC-Amino		impurity	AQ-TR-C-1101	(1R)-1-(3-acetamido-4-(benzyloxy)phenyl)-2-(((R)-1-(4-methoxyphenyl)propan-2-yl)(1-phenylethyl)amino)ethyl formate	Na	NA	C36H40N2O5	580.73
66		Di formylated AC-Amino		impurity	AQ-TR-C-1102	(1R)-1-(4-(benzyloxy)-3-formamidophenyl)-2-(((R)-1-(4-methoxyphenyl)propan-2-yl)(1-phenylethyl)amino)ethyl formate	Na	NA	C35H38N2O5	566.7
67		O-DE BENZYL AC-FORMYL COMPOUND		impurity	AQ-TR-C-1103	N-(2-hydroxy-5-((1R)-1-hydroxy-2-(((R)-1-(4-methoxyphenyl)propan-2-yl)(1-phenylethyl)amino)ethyl)phenyl)formamide	NA	NA	C27H32N2O4	448.56
68	Atorvastatin	Atorvastatin Lactone		Impurity	AQ-TR-C-737	5-(4-fluorophenyl)-1-(2-((2R,4R)-4-hydroxy-6-oxotetrahydro-2H-pyran-2-yl)ethyl)-2-isopropyl-N,4-diphenyl-1H-pyrrole-3-carboxamide	125995-03-1	Atorvastatin EP Impurity H	C33H33FN2O4	540.64
69	Arginine	N2-(Aminocarbonyl)-L-arginine		Impurity	AQ-TR-C-522	carbamoyl-L-arginine; N-Alpha-Carbamyl-L-Arginine	15920-89-5	NSC 135787	C7H15N5O3	217.23
70	Azacitidine	Azacitidine Related Compound C / 1-Beta-D-Ribofuranosyl-3-Guanyl Urea Picrate		Impurity	AQ-TR-C-406	Urea, N-(aminoiminomethyl)-N'-b-D-ribofuranosyl. with 2,4,6-trinitrophenol	4336-46-3	NSC 232826	C13H17N7O12 (Picrate Salt) C7H14N4O5 (Free base)	463.32 (Picrate salt) 234.21 (Free base)
71	Azelnidipine	Azelnidipine Impurity 1		impurity	AQ-TR-C-1149	isopropyl 5-hydroxy-2-methyl-4-(3-nitrophenyl)-6-oxo-1,4,5,6-tetrahydropyridine-3-carboxylate	1360462-97-0	NA	C16H18N2O6	334.33
72	Baclofen	Diethyl 2-(4-chlorophenyl)-4-hydroxy-4-methyl-6-oxocyclohexane-1,3-dicarboxylate		impurity	AQ-TR-C-1025	Diethyl 2-(4-chlorophenyl)-4-hydroxy-4-methyl-6-oxocyclohexane-1,3-dicarboxylate	294194-13-1	Baclofen impurity; 1,3-Cyclohexanedicarboxylic acid, 2-(4-chlorophenyl)-4-hydroxy-4-methyl-6-oxo-, 1,3-diethyl ester	C19H23ClO6	382.84

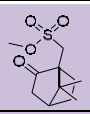
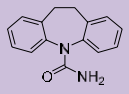
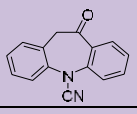
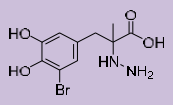
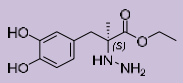
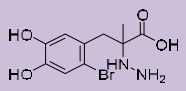
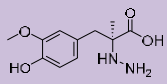
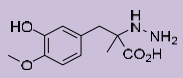
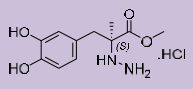
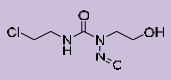
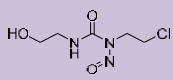
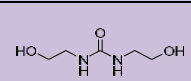
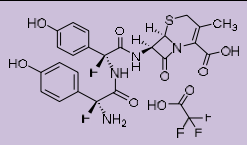
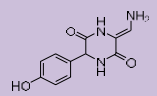
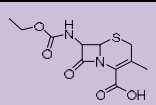
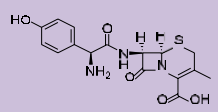
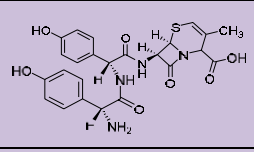
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
73	Baricitinib	Baricitinib Acid Impurity		Impurity	AQ-TR-C-294	2-(3-(4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl)-1-(ethylsulfonyl)azetidin-3-yl)acetic acid	2271228-52-3	Baricitinib Acetic Acid Impurity	C16H18N6O4S	390.42
74		2-(1-(ethylsulfonyl)-3-(4-(7-(hydroxymethyl)-7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl)azetidin-3-yl)acetonitrile		Impurity	AQ-TR-C-295	2-(1-(ethylsulfonyl)-3-(4-(7-(hydroxymethyl)-7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl)azetidin 3-yl)acetonitrile	1187595-89-6	N-7-Hydroxymethyl Baricitinib	C17H19N7O3S	401.45
75		1,5-bis(1-ethoxyethyl)-4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrazole		Impurity	AQ-TR-C-346	1,5-bis(1-ethoxyethyl)-4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrazole	NA	NA	C17H31BN2O4	338.26
76		1,3-bis(1-ethoxyethyl)-4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrazole		Impurity	AQ-TR-C-347	1,3-bis(1-ethoxyethyl)-4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-pyrazole	NA	NA	C17H31BN2O4	338.26
77		Baricitinib Amide Impurity		impurity	AQ-TR-C-1154	2-(3-(4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl)-1-(ethylsulfonyl)azetidin-3-yl)acetamide	2271228-51-2	Baricitinib Impurity 1	C16H19N7O3S	389.43
78	Beclomethasone	Beclomethasone EP impurity F		impurity	AQ-TR-C-1017	(6S,8S,9R ,10S,11S,13S,14S,16S,17R)-6-bromo-9-chloro-11-hydroxy-10,13,16-trimethyl-3-oxo-17-(2-(propionyloxy)acetyl)-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthren-17-yl propionate	887130-69-0	Beclometasone Dipropionate EP Impurity F	C28H36BrClO7	599.94
79		Beclometasone dipropionate		impurity	AQ-TR-C-1139	(8S,9R,10S,11S,13S,14S,16S,17R)-9-chloro 11-hydroxy-10,13,16-trimethyl-3-oxo-17-(2-(propionyloxy)acetyl)-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthren-17-yl propionate	07-08-5534	NA	C28H37ClO7	521.05
80		Bendamustine Glycerol Ester Impurity		Impurity	AQ-TR-C-001	2,3-dihydroxypropyl 4-(5-(bis(2-chloroethyl)amino)-1-methyl-1H-benzo[d]imidazol-2-yl)butanoate	NA	NA	C19H27Cl2N3O4	432.34
81		Bendamustine Acetate Impurity		Impurity	AQ-TR-C-002	4-(5-((2-acetoxyethyl)(2-chloroethyl)amino)-1-methyl-1H-benzo[d]imidazol-2-yl)butanoic acid	NA	NA	C18H24ClN3O4	381.86
82		Bendamustine HP-1 Impurity		Impurity	AQ-TR-C-494	4-(5-((2-chloroethyl)(2-hydroxyethyl)amino)-1-methyl-1H-benzo[d]imidazol-2-yl)butanoic acid	109882-27-1	Bendamustin Impurity-A	C16H22ClN3O3	339.82
83		Bendamustine N-Alkylated Impurity		Impurity	AQ-TR-C-553	4-(5-((2-chloroethyl)amino)-1-methyl-1H-benzo[d]imidazol-2-yl)butanoic acid	1797881-48-1	N-Alkylated impurity USP Related compound-D	C14H19Cl2N3O2 (HCl Salt) C14H18ClN3O2 (Free base)	332.23 (HCl Salt) 295.77 (Free base)
84		Bendamustine Related Compound B		Impurity	AQ-TR-C-554	4-(1-methyl-5-morpholino-1H-benzo[d]imidazol-2-yl)butanoic acid	1228552-02-0	Bendamustine Impurity B	C16H21N3O3	303.36

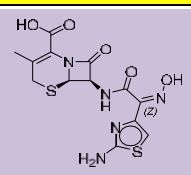
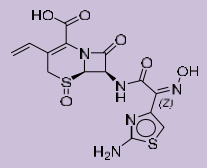
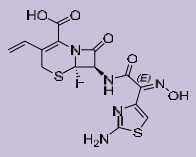
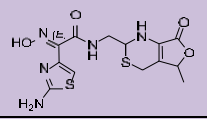
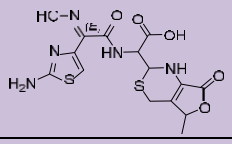
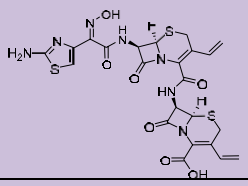
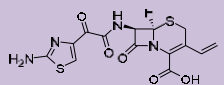
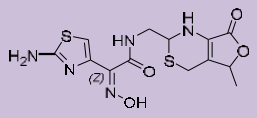
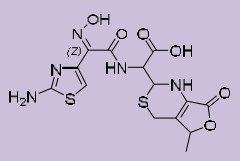
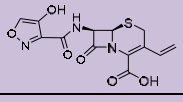
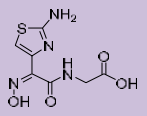
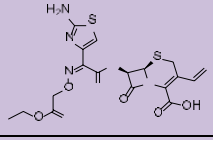
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
85	Bendamustine	Bendamustine Dihyroxy Impurity		Impurity	AQ-TR-C-555	4-{5-[bis(2-hydroxyethyl)amino]-1-methyl-1H-benzo[d]imidazol-2-yl}butanoic acid	109882-30-6	NA	C16H23N3O4	321.38
86		Bendamustine Related Compound C		Impurity	AQ-TR-C-556	ethyl 4-{5-[bis(2-hydroxyethyl)amino]-1-methyl-1H-benzo[d]imidazol-2-yl}butanoate	3543-74-6	NA	C18H27N3O4	349.43
87		Bendamustine Isopropyl Ester		Impurity	AQ-TR-C-557	isopropyl 4-{5-[bis(2-chloroethyl)amino]-1-methyl-1H-benzo[d]imidazol-2-yl}butanoate	1313020-25-5	NA	C19H27Cl2N3O2	400.34
88		Bendamustine Related Compound I		Impurity	AQ-TR-C-558	ethyl 4-{5-[bis(2-chloroethyl)amino]-1-methyl-1H-benzo[d]imidazol-2-yl}butanoate	87475-54-5	Bendamustine Impurity 11	C18H25Cl2N3O2	386.32
89		Bendamustine Related Impurity-F		Impurity	AQ-TR-C-656	2,3,4,5,6-pentahydroxyhexyl 4-{5-[bis(2-chloroethyl)amino]-1-methyl-1H-benzo[d]imidazol-2-yl}butanoate	NA	Bendamustine Mannitol Ester	C22H33Cl2N3O7	522.42
90		Bendamustine methyl ester		Impurity	AQ-TR-C-678	methyl 4-{5-[bis(2-chloroethyl)amino]-1-methyl-1H-benzo[d]imidazol-2-yl}butanoate	109882-25-9	NA	C17H23Cl2N3O2	372.29
91		Bendamustine USP Related Compound H		Impurity	AQ-TR-C-887	4-[5-({2-[(4-{5-[Bis(2-chloroethyl)amino]-1-methyl-1H-benzimidazol-2-yl}butanoyl)oxy]ethyl}(2-chloroethyl)amino)-1-methyl-1H-benzimidazol-2-yl]butanoic acid	1228551-91-4	Bendamustine Dimer	C32H41Cl3N6O4	680.07
92	Betamethasone	Betamethasone Monopropionate		Impurity	AQ-TR-C-025	(8S,9R,10S,11S,13S,14S,16S,17R)-9-fluoro-11-hydroxy-17-(2-hydroxyacetyl)-10,13,16-trimethyl-3-oxo-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthren-17-yl propionate	5534-13-4	Betamethasone 17-propionate; Betamethasone 17α-propionate	C25H33FO6	448.53
93		Betamethasone Dipropionate		Impurity	AQ-TR-C-052	(8S,9R,10S,11S,13S,14S,16S,17R)-9-fluoro-11-hydroxy-10,13,16-trimethyl-3-oxo-17-[2-(propionyloxy)acetyl]-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthren-17-yl propionate	5593-20-4	S 3440; Sch 11460	C28H37FO7	504.6
94		Betamethasone Tripropionate		Impurity	AQ-TR-C-053	(8S,9R,10S,11S,13S,14S,16S,17R)-9-fluoro-10,13,16-trimethyl-3-oxo-17-(2-(propionyloxy)acetyl)-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthrene-11,17-diyl dipropionate	1186048-33-8	Betamethasone Dipropionate EP Impurity G	C31H41FO8	560.66
95		Betamethasone DB XI		Impurity	AQ-TR-C-054	(4aS,4bS,5aS,6aS,7R,8S,9aS,9bS)-7-hydroxy-7-(2-hydroxyacetyl)-4a,6a,8-trimethyl-5a,6,6a,7,8,9,9a,9b,10,11-decahydrocyclopenta[1,2]phenanthro[4,4a-b]oxiren-2(4aH)-one	981-34-0	NA	C22H28O5	372.46
96		Betamethasone 17 propionate 21 mesylate Imp-I		Impurity	AQ-TR-C-283	(8S,9R,10S,11S,13S,14S,16S,17R)-9-fluoro-11-hydroxy-10,13,16-trimethyl-17-(2-((methylsulfonyl)oxy)acetyl)-3-oxo-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthren-17-yl propionate	15423-80-0	NA	C26H35FO8S	526.62
97		Betamethasone-DB11 Monopropionate		Impurity	AQ-TR-C-055	(4aS,4bS,5aS,6aS,7R,8S,9aS,9bS)-7-(2-hydroxyacetyl)-4a,6a,8-trimethyl-2-oxo-2,4a,5a,6,6a,7,8,9,9a,9b,10,11-dodecahydrocyclopenta[1,2]phenanthro[4,4a-b]oxiren-7-yl propionate	79578-39-5	Betamethasone Dipropionate EP Impurity U	C25H32O6	428.53

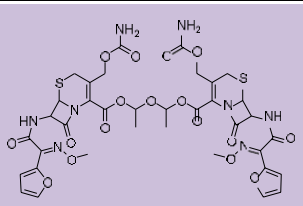
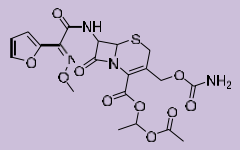
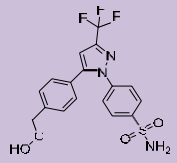
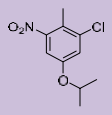
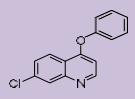
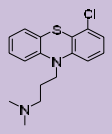
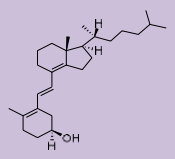
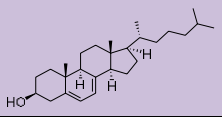
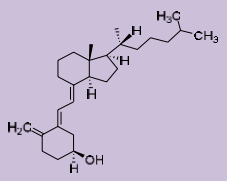
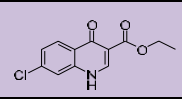
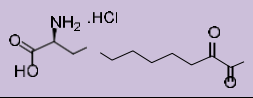
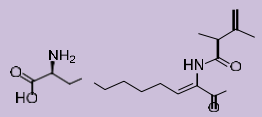
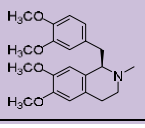
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
98		Betamethasone-DB11 Dipropionate		Impurity	AQ-TR-C-056	2-oxo-2-[(4aS,4bS,5aS,6aS,7R,8S,9aS,9bS)-4a,6a,8-trimethyl-2-oxo-7-(propionyloxy)-2,4a,5a,6,6a,7,8,9,9a,9b,10,11-dodecahydrocyclopenta[1,2]phenanthro[4,4a-b]oxiren-7-yl]ethyl propionate	66917-44-0	Betamethasone Impurity F	C28H36O7	484.59
99	Bictegravir	2,4,6-Trifluoro Benzyl Amine Dimer-1		Impurity	AQ-TR-C-437	2-(aminomethyl)-3,5-difluoro-N-(2,4,6-trifluorobenzyl)aniline	NA	NA	C14H11F5N2	302.25
100		Trifluoro Benzyl Amine Dimer-2		Impurity	AQ-TR-C-438	bis(2,4,6-trifluoro benzyl)amine	NA	NA	C14H9F6N	305.22
101	BINAP	BINAP PHOSPHINE OXIDE		impurity	AQ-TR-C-1145	[1,1'-binaphthalen]-2-yldiphenylphosphine oxide	161053-36-7	NA	C32H23OP	454.51
102	Binimetinib	N-Desmethyl Binimetinib		impurity	AQ-TR-C-1193	5-((4-bromo-2-fluorophenyl)amino)-4-fluoro-N-(2-hydroxyethoxy)-1H-benzo[d]imidazole-6-carboxamide	NA	NA	C16H13BrF2N4O3	427.21
103	Bis Hydroxy Piperazine	Bis Hydroxy Piperazine		Impurity	AQ-TR-C-080	4,4'-(piperazine-2,5-diyl)bis(benzene-1,2-diol)	NA	NA	C16H18N2O4	302.33
104	Bisoprolol	N-Formyl Bisoprolol		impurity	AQ-TR-C-1203	N-(2-hydroxy-3-(4-((2-isopropoxyethoxy)methyl)phenoxy)propyl)-N-isopropylformamide	1447715-45-8	Bisoprolol impurity 2	C19H31NO5	353.46
105	Bis piperidine	Ethyl 4-(piperi-1-yl) piperid-1-carbamate		Impurity	AQ-TR-C-221	ethyl [1,4'-bipiperidine]-1'-carboxylate	802277-44-7	NA	C13H24N2O2	240.35
106	Bortezomib	Bortezomib Dimer		Impurity	AQ-TR-C-728	((R)-3-methyl-1-((S)-3-phenyl-2-((S)-3-phenyl-2-(pyrazine-2-carboxamido)propanamido)propanamido)butyl)boronic acid	1194235-41-0	Bortezomib Impurity 9; Bortezomib USP Impurity Q; Leonloside D; Bortezomib-L-phenylalanyl analogue	C28H34BN5O5	531.42
107	Bosentan	Bosentan Impurity (Diacid)		Impurity	AQ-TR-C-160	2-(2-methoxyphenoxy)malonic acid	NA	NA	C10H10O6	226.18
108		Bosentan Impurity (Mono Acid)		Impurity	AQ-TR-C-162	3-methoxy-2-(2-methoxyphenoxy)-3-oxopropanoic acid	NA	NA	C11H12O6	240.21
109		2-(tert-butyl)benzenesulfonamide		Impurity	AQ-TR-C-163	2-(tert-butyl)benzenesulfonamide	193013-72-8	NA	C10H15NO2S	213.3
110		Bosentan Related Compound-D		Impurity	AQ-TR-C-227	4,6-dichloro-5-(2-methoxyphenoxy)-2,2'-bipyrimidine	150728-13-5	NA	C15H10Cl2N4O2	349.17
111		Bosentan USP Related Compound-A		Impurity	AQ-TR-C-228	4-(tert-butyl)-N-(6-chloro-5-(2-methoxyphenoxy)-[2,2'-bipyrimidin]-4-yl)benzenesulfonamide	150727-06-3	NA	C25H24ClN5O4S	526.01
112		Bosutinib Impurity-I		impurity	AQ-TR-C-990	2-cyano-N-(2,4-dichloro-5-methoxyphenyl)acetamide	846023-24-3	NA	C10H8Cl2N2O2	259.09
113		Bosutinib Impurity-II		impurity	AQ-TR-C-988	(E/Z)-2-cyano-N-(2,4-dichloro-5-methoxyphenyl)-3-((4-methoxy-3-(3-(4-methylpiperazin-1-yl)propoxy)phenyl)amino)acrylamide	846023-56-1	NA	C26H31Cl2N5O4	548.46
114		Bosutinib Impurity-III		impurity	AQ-TR-C-989	4-((2,4-dichloro-5-methoxyphenyl)amino)-6-methoxy-7-propoxyquinoline-3-carbonitrile	2095306-25-3	Bosutinib des NMP impurity	C21H19Cl2N3O3	432.3

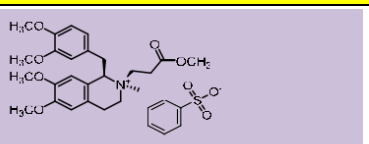
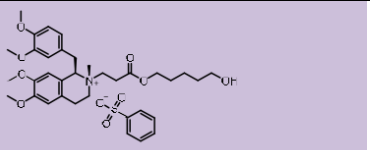
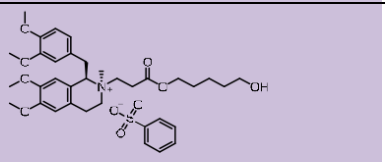
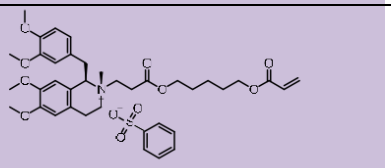
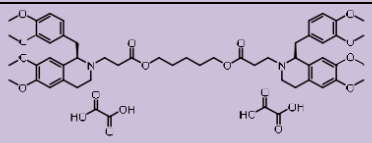
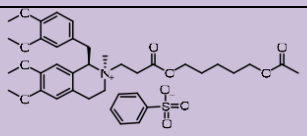
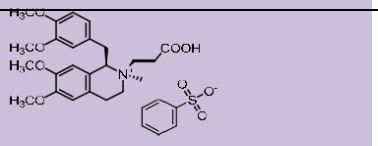
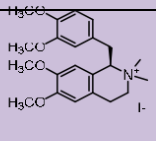
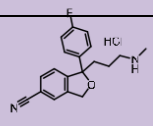
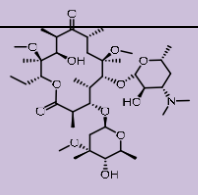
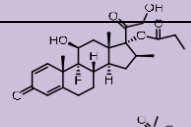
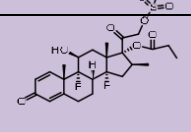
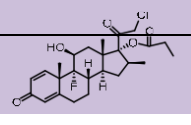
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
115	Bosutinib	Bosutinib Impurity-V		impurity	AQ-TR-C-991	7,7'-((piperazine-1,4-diylbis(propane-3,1-diyl))bis(oxy))bis(4-((2,4-dichloro-5-methoxyphenyl)amino)-6-methoxyquinoline-3-carbonitrile)	2095306-26-4	Bosutinib Piperazine dimer impurity	C46H44Cl4N8O6	946.71
116		Bosutinib Impurity-VI		impurity	AQ-TR-C-992	4-((2,4-dichloro-5-methoxyphenyl)amino)-6-methoxy-7-(3-(piperazin-1-yl)propoxy)quinoline-3-carbonitrile hydrochloride	380843-81-2	Bosutinib N-Des methyl impurity	C25H27Cl2N5O3 (Free base) C25H28Cl3N5O3 (Salt)	516.42 (Free base) 552.88 (Salt)
117		Bosutinib Impurity-IV		impurity	AQ-TR-C-993	7,7'-(propane-1,3-diylbis(oxy))bis(4-((2,4-dichloro-5-methoxyphenyl)amino)-6-methoxyquinoline-3-carbonitrile)	2095306-27-5	Bosutinib Propoxy dimer impurity	C39H30Cl4N6O6	820.51
118	Brexpiprazole	Brexpiprazole Impurity 3 Hydrochloride		Impurity	AQ-TR-C-368	1-(benzo[b]thiophen-7-yl)piperazine hydrochloride	105684-41-1	BRP-3	C12H15ClN2S	254.78
119		Brexpiprazole 3,4-dihydro Impurity.		Impurity	AQ-TR-C-369	7-(4-(4-(benzo[b]thiophen-4-yl)piperazin-1-yl)butoxy)-3,4-dihydroquinolin-2(1H)-one	913612-07-4	BRP-/3,4-Dihydro Impurity	C25H29N3O2S	435.59
120		2,7-bis(4-(4-(benzo[b]thiophen-4-yl)piperazin-1-yl)butoxy)quinoline/Brexpiprazole Impurity		Impurity	AQ-TR-C-974	2,7-bis(4-(4-(benzo[b]thiophen-4-yl)piperazin-1-yl)butoxy)quinoline	2138169-93-2	Brexpiprazole Impurity 26	C41H47N5O2S2	705.98
121		7-(4-((7-(4-(4-(benzo[b]thiophen-4-yl)piperazin-1-yl)butoxy)quinolin-2-yl)oxy)butoxy)quinolin-2(1H)-one / Brexpiprazole O-dimer impurity		Impurity	AQ-TR-C-809	7-(4-((7-(4-(4-(benzo[b]thiophen-4-yl)piperazin-1-yl)butoxy)quinolin-2-yl)oxy)butoxy)quinolin-2(1H)-one	2116542-21-1	Brexpiprazole O-dimer impurity	C38H40N4O4S	648.82
122		7-(4-(4-(benzo[b]thiophen-4-yl)piperazin-1-yl)butoxy)-1-(4-((2-oxo-1,2-dihydroquinolin-7-yl)oxy)butyl)quinolin-2(1H)-one / Brexpiprazole Impurity		Impurity	AQ-TR-C-810	7-(4-(4-(benzo[b]thiophen-4-yl)piperazin-1-yl)butoxy)-1-(4-((2-oxo-1,2-dihydroquinolin-7-yl)oxy)butyl)quinolin-2(1H)-one Trifluoro acetic acid.	NA	Brexpiprazole N-dimer impurity / Brexpiprazole Impurity-2	C38H40N4O4S (Free Base) C40H41F3N4O6S (TFA Salt)	648.82 (Free Base) 762.85 (TFA Salt)
123	Brivaracetam	Brivaracetam (alfa R, 4R)-Isomer (DS-2)		Impurity	AQ-TR-C-445	(R)-2-((R)-2-oxo-4-propylpyrrolidin-1-yl)butanamide	357337-00-9	Brivaracetam (2R, 4R)-Diastereomer-2	C11H20N2O2	212.29
124		Brivaracetam (Alfa R, 4S)-Isomer (Enantiomer)		Impurity	AQ-TR-C-446	(R)-2-((S)-2-oxo-4-propylpyrrolidin-1-yl)butanamide	357336-99-3	Brivaracetam (2R, 4S)-Enantiomer	C11H20N2O2	212.29
125		Brivaracetam (alfa S, 4S)-Isomer (DS-1)		Impurity	AQ-TR-C-447	(S)-2-((S)-2-oxo-4-propylpyrrolidin-1-yl)butanamide	357336-19-7	Brivaracetam (2S, 4S)-Diastereomer-1	C11H20N2O2	212.29
126		Brivaracetam (Racemic mixture)		Impurity	AQ-TR-C-448	2-(2-oxo-4-propylpyrrolidin-1-yl)butanamide	357335-87-6	rac Brivaracetam	C11H20N2O2	212.29
127	Bromochloro methane	Bromochloro methane		Impurity	AQ-TR-C-225	Bromochloro methane	74-97-5	Cathay HL 52; Fluorocarbon 1011; Halon 1011; NSC 7294	CH2BrCl	129.38
128	Bupropion	(3S,5S,6S)- Bupropion Impurity		impurity	AQ-TR-C-1225	(3S,5S,6S)-6-(3-chlorophenyl)-6-hydroxy-5-methylthiomorpholine-3-carboxylic acid	2133460-42-9	NA	C12H14ClNO3S	287.76
129		(3S,5R,6R)- Bupropion Impurity		impurity	AQ-TR-C-1259	(3S,5R,6R)-6-(3-chlorophenyl)-6-hydroxy-5-methylthiomorpholine-3-carboxylic acid	NA	NA	C12H14ClNO3S	287.76
130		Bupropion Related compound-E		impurity	AQ-TR-C-1375	1-(3-chlorophenyl)propane-1,2-dione	10557-17-2	Bupropion impurity-16; Bupropion USP Related Compound E; Bupropion impurity B	C9H7ClO2	182.6
131	Buspirone	Buspirone EP Impurity N		Impurity	AQ-TR-C-251	8,8'-(butane-1,4-diyl)bis(8-azaspiro[4.5]decane-7,9-dione)	257877-44-4	NA	C22H32N2O4	388.51

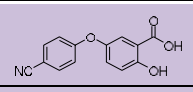
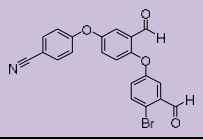
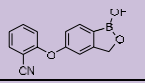
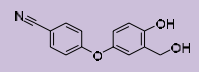
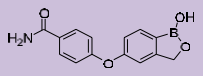
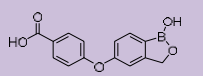
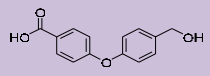
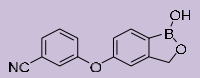
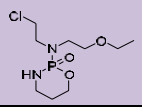
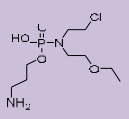
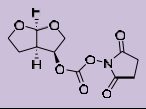
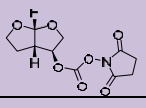
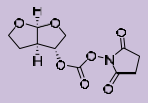
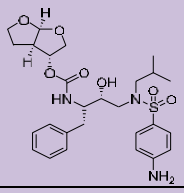
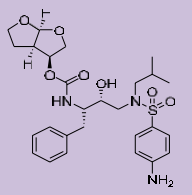
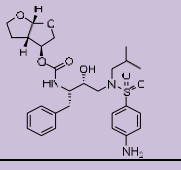
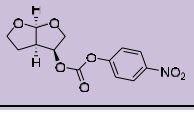
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
132		Buspirone N-Oxide		Impurity	AQ-TR-C-284	1-(4-(7,9-dioxo-8-azaspiro[4.5]decan-8-yl)butyl)-4-(pyrimidin-2-yl)piperazine 1-oxide	220747-81-9	8-[4-[1-Oxido-4-(2-pyrimidinyl)-1-piperazinyl]butyl]-8-azaspiro[4.5]decane-7,9-dione; Buspirone N Oxide Impurity	C21H31N5O3	401.51
133		2-CBT Nitro		Impurity	AQ-TR-C-559	6,7-dimethoxy-4-(2-nitrophenoxy)quinoline	190728-26-8	NA	C17H14N2O5	326.31
134		3-CBT Amine		Impurity	AQ-TR-C-560	3-((6,7-dimethoxyquinolin-4-yl)oxy)aniline	202917-04-2	NA	C17H16N2O3	296.33
135		3-CBT-Nitro		Impurity	AQ-TR-C-561	6,7-dimethoxy-4-(3-nitrophenoxy)quinoline	202917-05-3	NA	C17H14N2O5	326.31
136		Cabozantib amide cleavage product		Impurity	AQ-TR-C-562	1-((4-((6,7-dimethoxyquinolin-4-yl)oxy)phenyl)carbamoyl)cyclopropane-1-carboxylic acid	849217-77-2	NA	C22H20N2O6	408.41
137		CBT Desfluoro		Impurity	AQ-TR-C-563	N-(4-((6,7-dimethoxyquinolin-4-yl)oxy)phenyl)-N-phenylcyclopropane-1,1-dicarboxamide	849221-94-9	NA	C28H25N3O5	483.52
138		Des Fluoro CBT Cyclopropyl Amide		Impurity	AQ-TR-C-564	1-(phenylcarbamoyl)cyclopropane-1-carboxylic acid	145591-80-6	NA	C11H11NO3	205.21
139		CBT 3-fluoro		Impurity	AQ-TR-C-565	N-(4-((6,7-dimethoxyquinolin-4-yl)oxy)phenyl)-N-(3-fluorophenyl)cyclopropane-1,1-dicarboxamide	NA	NA	C28H24FN3O5	501.51
140	Cabozantinib	3-fluoro CBT Cyclopropyl amide		Impurity	AQ-TR-C-566	1-((3-fluorophenyl)carbamoyl)cyclopropane-1-carboxylic acid	1247859-37-5	NA	C11H10FNO3	223.2
141		CBT 2-fluoro		Impurity	AQ-TR-C-567	N-(4-((6,7-dimethoxyquinolin-4-yl)oxy)phenyl)-N-(2-fluorophenyl)cyclopropane-1,1-dicarboxamide	NA	NA	C28H24FN3O5	501.51
142		2-fluoro CBT Cyclopropyl amide		Impurity	AQ-TR-C-568	1-((2-fluorophenyl)carbamoyl)cyclopropane-1-carboxylic acid	918642-61-2	NA	C11H10FNO3	223.2
143		CBT Dimer		Impurity	AQ-TR-C-569	N-(4-((6,7-dimethoxyquinolin-4-yl)oxy)phenyl)-6,7-dimethoxyquinolin-4-amine	NA	NA	C28H25N3O5	483.52
144		Cabozantinib monohydroxy sulfate		Impurity	AQ-TR-C-570	N-(4-((6,7-dimethoxyquinolin-4-yl)oxy)phenyl)-N-(4-fluoro-2-hydroxyphenyl)cyclopropane-1,1-dicarboxamide	1628530-38-0	NA	C28H24FN3O6	517.51
145		Cabozantinib N-oxide		Impurity	AQ-TR-C-571	4-(4-(1-((4-fluorophenyl)carbamoyl)cyclopropane-1-carboxamido)phenoxy)-6,7-dimethoxyquinoline 1-oxide	1621681-63-7	NA	C28H24FN3O6	517.51
146		2-CBT Amine		Impurity	AQ-TR-C-619	2-((6,7-dimethoxyquinolin-4-yl)oxy)aniline	190728-27-9	NA	C17H16N2O3	296.33
147	Camphorsulphonate	Isopropyl Camphorsulphonate		Impurity	AQ-TR-C-370	isopropyl (7,7-dimethyl-2-oxobicyclo[2.2.1]heptan-1-yl)methanesulfonate	NA	NA	C13H22O4S	274.38

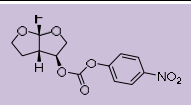
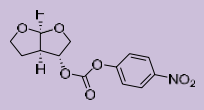
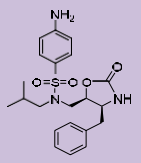
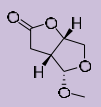
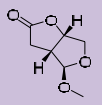
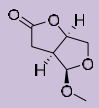
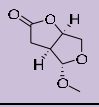
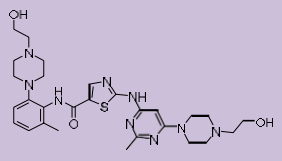
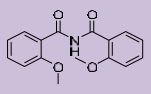
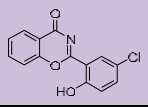
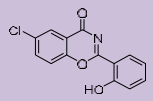
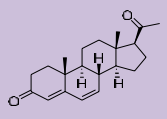
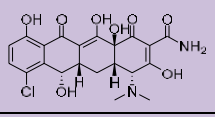
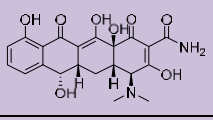
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
148		Methyl Camphorsulphonate		Impurity	AQ-TR-C-371	methyl (7,7-dimethyl-2-oxobicyclo[2.2.1]heptan-1-yl)methanesulfonate	NA	NA	C11H18O4S	246.32
149	Carbamazepine	Carbamazepine EP Impurity A		impurity	AQ-TR-C-948	10,11-dihydro-5H-dibenzo[b,f]azepine-5-carboxamide	3564-73-6	NA	C15H14N2O	238.29
150		10-oxo-10,11-dihydro-5H-dibenzo[b,f]azepine-5-carbonitrile		impurity	AQ-TR-C-949	10-oxo-10,11-dihydro-5H-dibenzo[b,f]azepine-5-carbonitrile	78880-65-6	5H-Dibenz[b,f]azepine-5-carbonitrile	C15H10N2O	234.25
151		Carbidopa EP Impurity I		Impurity	AQ-TR-C-707	3-(3-bromo-4,5-dihydroxyphenyl)-2-hydrazineyl-2-methylpropanoic acid	1246819-09-9	3-Bromo Carbidopa	C10H13BrN2O4	305.13
152		(S)-Carbidopa ethyl ester		Impurity	AQ-TR-C-764	ethyl (S)-3-(3,4-dihydroxyphenyl)-2-hydrazineyl-2-methylpropanoate	1458640-32-8	NA	C12H18N2O4	254.29
153		Carbidopa EP Impurity J		Impurity	AQ-TR-C-840	3-(2-bromo-4,5-dihydroxyphenyl)-2-hydrazineyl-2-methylpropanoic acid	1246817-47-9	NA	C10H13BrN2O4	305.13
154		Carbidopa EP Impurity C		Impurity	AQ-TR-C-888	2-hydrazinyl-3-(4-hydroxy-3-methoxyphenyl)-2-methylpropanoic acid	85933-19-3	3-O-Methylcarbidopa	C11H16N2O4	240.26
155		Carbidopa EP Impurity H		Impurity	AQ-TR-C-922	2-hydrazineyl-3-(3-hydroxy-4-methoxyphenyl)-2-methylpropanoic acid	NA	4-O-Methylcarbidopa	C11H16N2O4	240.26
156		(S)-Carbidopa methyl ester		impurity	AQ-TR-C-1213	methyl (S)-3-(3,4-dihydroxyphenyl)-2-hydrazineyl-2-methylpropanoate	52514-63-3	Carbidopa Impurity E	C11H17ClN2O4 (HCl Salt) C11H16N2O4 (Free base)	276.72 (HCl Salt) 240.26 (Free base)
157	Carmustine	3-(2-chloroethyl)-1-(2-hydroxyethyl)-1-nitrosourea		Impurity	AQ-TR-C-721	3-(2-chloroethyl)-1-(2-hydroxyethyl)-1-nitrosourea	96806-34-7	NA	C5H10ClN3O3	195.6
158		1-(2-chloroethyl)-3-(2-hydroxyethyl)-1-nitrosourea		Impurity	AQ-TR-C-722	1-(2-chloroethyl)-3-(2-hydroxyethyl)-1-nitrosourea	60784-46-5	Elmustine; Hemustine; NSC 294895; HECNU	C5H10ClN3O3	195.6
159		1,3-bis(2-hydroxyethyl)urea		Impurity	AQ-TR-C-850	1,3-bis(2-hydroxyethyl)urea	15438-70-7	NA	C5H12N2O3	148.16
160	Cefadroxil	N-Phenylglycyl cefadroxil		impurity	AQ-TR-C-1220	(6R,7R)-7-((R)-2-((R)-2-amino-2-(4-hydroxyphenyl)acetamido)-2-(4-hydroxyphenyl)acetamido)-3-methyl-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid--2,2,2-trifluoroacetic acid (1/1)	NA	NA	C26H25F3N4O9S (TFA Salt) C24H24N4O7S (Free base)	626.56 (TFA Salt) 512.54 (Free base)
161		Diketopiperazine derivative		impurity	AQ-TR-C-1234	(Z)-3-(aminomethylene)-6-(4-hydroxyphenyl)piperazine-2,5-dione	147103-93-3	Cefadroxil EP Impurity E; Cefproxil Monohydrate EP Impurity C	C11H11N3O3	233.23
162		7-Ethoxycarbonyl 7-ADCA		impurity	AQ-TR-C-1235	7-[(ethoxycarbonyl)amino]-3-methyl-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid	NA	NA	C11H14N2O5S	286.3
163		Cefadroxil related compound D		impurity	AQ-TR-C-1236	(6R,7R)-7-((S)-2-amino-2-(4-hydroxyphenyl)acetamido)-3-methyl-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid	144790-28-3	NA	C16H17N3O5S	363.39
164		N-Phenylglycyl delta-3 cefadroxil		impurity	AQ-TR-C-1237	(6R,7R)-7-((R)-2-((R)-2-amino-2-(4-hydroxyphenyl)acetamido)-2-(4-hydroxyphenyl)acetamido)-3-methyl-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-3-ene-2-carboxylic acid	NA	NA	C24H24N4O7S	512.54

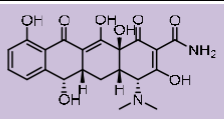
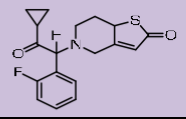
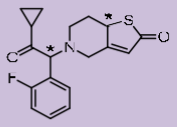
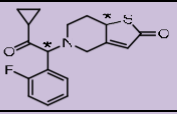
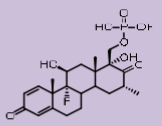
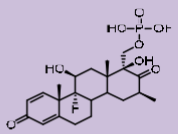
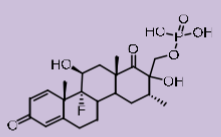
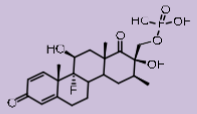
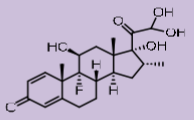
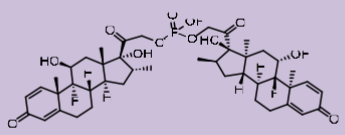
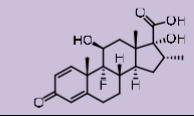
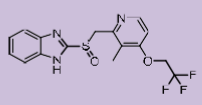
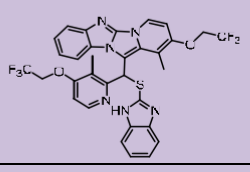
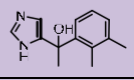
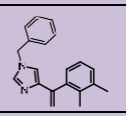
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
165	Cefdinir	3-methyl cefdinir		Impurity	AQ-TR-C-695	(6R,7R)-7-((Z)-2-(2-aminothiazol-4-yl)-2-(hydroxyimino)acetamido)-3-methyl-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2 carboxylic acid	71091-93-5	NA	C13H13N5O5S2	383.4
166		Cefdinir Sulfoxide		Impurity	AQ-TR-C-696	(5R,6R,7R)-7-((Z)-2-(2-aminothiazol-4-yl)-2-(hydroxyimino)acetamido)-8-oxo-3-vinyl-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid 5-oxide	NA	NA	C14H13N5O6S2	411.41
167		E-Cefdinir		Impurity	AQ-TR-C-697	(6R,7R)-7-((E)-2-(2-aminothiazol-4-yl)-2-(hydroxyimino)acetamido)-8-oxo-3-vinyl-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid	NA	NA	C14H13N5O5S2	395.41
168		(E)-2-(2-aminothiazol-4-yl)-2-(hydroxyimino) N-((5-methyl-7-oxo-1,2,5,7-tetrahydro-4H-furo[3,4-d][1,3]thiazin-2-yl)methyl)acetamide		Impurity	AQ-TR-C-741	(E)-2-(2-aminothiazol-4-yl)-2-(hydroxyimino)-N-((5-methyl-7-oxo-1,2,5,7-tetrahydro-4H-furo[3,4-d][1,3]thiazin-2-yl)methyl)acetamide	NA	NA	C13H15N5O4S2	369.41
169		E-Cefdinir Lactone		Impurity	AQ-TR-C-742	(E)-2-(2-(2-aminothiazol-4-yl)-2-(hydroxyimino)acetamido)-2-(5-methyl-7-oxo-1,2,5,7-tetrahydro-4H-furo[3,4-d][1,3]thiazin-2-yl)acetic acid	NA	NA	C14H15N5O6S2	413.42
170		Cefdinir Dimer		Impurity	AQ-TR-C-743	(6R,7R)-7-((6R,7R)-7-((Z)-2-(2-aminothiazol-4-yl)-2-(hydroxyimino)acetamido)-8-oxo-3-vinyl-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxamido)-8-oxo-3-vinyl-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid	NA	NA	C23H21N7O7S3	603.64
171		Cefdinir Glyoxalic Analog		Impurity	AQ-TR-C-744	(6R,7R)-7-(2-(2-aminothiazol-4-yl)-2-oxoacetamido)-8-oxo-3-vinyl-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid	79350-14-4	NA	C14H12N4O5S2	380.39
172		Cefdinir Decarboxy Open Ring Lactone Impurity A & B		Impurity	AQ-TR-C-774	(Z)-2-(2-aminothiazol-4-yl)-2-(hydroxyimino)-N-((5-methyl-7-oxo-1,2,5,7-tetrahydro-4H-furo[3,4-d][1,3]thiazin-2-yl)methyl)acetamide	NA	NA	C13H15N5O4S2	369.41
173		Cefdinir related compound A (Cefdinir open ring lactone a,b,c and d)		Impurity	AQ-TR-C-775	(Z)-2-(2-(2-aminothiazol-4-yl)-2-(hydroxyimino)acetamido)-2-(5-methyl-7-oxo-1,2,5,7-tetrahydro-4H-furo[3,4-d][1,3]thiazin-2-yl)acetic acid	NA	NA	C14H15N5O6S2	413.42
174		Cefdinir Isoxazole Analog		impurity	AQ-TR-C-1120	(6R,7R)-7-(4-hydroxyisoxazole-3-carboxamido)-8-oxo-3-vinyl-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid	1356842-10-8	NA	C13H11N3O6S	337.31
175		Thiazolyl Acetyl Glycine Oxime		impurity	AQ-TR-C-1292	(Z)-(2-(2-aminothiazol-4-yl)-2-(hydroxyimino)acetyl)glycine	178949-03-6	NA	C7H8N4O4S	244.23
176	Cefixime	Cefixime EP Impurity F		Impurity	AQ-TR-C-104	(6R,7R)-7-((Z)-2-(2-aminothiazol-4-yl)-2-((2-ethoxy-2-oxoethoxy)imino)acetamido)-8-oxo-3-vinyl-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid	79368-95-9	Cefixime Ethyl Ester	C18H19N5O7S2	481.5

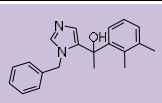
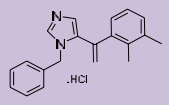
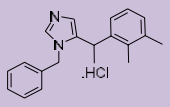
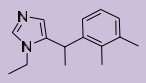
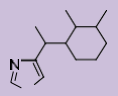
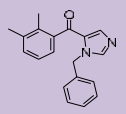
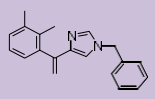
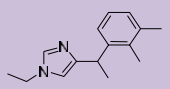
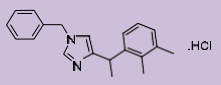
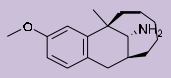
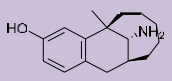
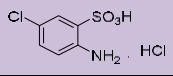
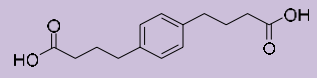
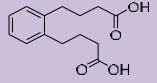
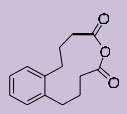
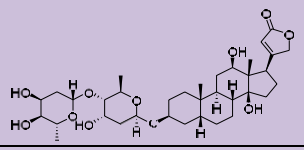
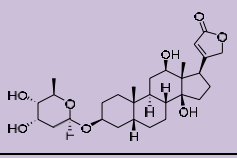
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
177	Cefuroxime	Cefuroxime axetil dimer		Impurity	AQ-TR-C-807	oxybis(ethane-1,1-diyl) bis(3-((carbamoyloxy)methyl)-7-((E)-2-(furan-2-yl)-2-(methoxyimino)acetamido)-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylate)	NA	NA	C36H38N8O17S2	918.86
178		Cefuroxime axetil E-isomer		Impurity	AQ-TR-C-889	1-acetoxyethyl (E)-3-((carbamoyloxy)methyl)-7-(2-(furan-2-yl)-2-(methoxyimino)acetamido)-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylate	97232-96-7	Ceftin E-isomer	C20H22N4O10S	510.47
179	Celecoxib	4-(5-(4-(hydroperoxymethyl)phenyl)-3-(trifluoromethyl)-1H-pyrazol-1-yl)benzenesulfonamide		Impurity	AQ-TR-C-894	4-(5-(4-(hydroperoxymethyl)phenyl)-3-(trifluoromethyl)-1H-pyrazol-1-yl)benzenesulfonamide	2247197-65-3	Celecoxib hydroperoxide impurity	C17H14F3N3O4S	413.37
180	Ceritinib	1-chloro-5-isopropoxy-2-methyl-3-nitrobenzene		Impurity	AQ-TR-C-670	1-chloro-5-isopropoxy-2-methyl-3-nitrobenzene	NA	NA	C10H12ClNO3	229.66
181	Chloroquine	Chloroquine Phosphate impurity-1		impurity	AQ-TR-C-1024	7-chloro-4-phenoxyquinoline	124495-03-0	NA	C15H10ClNO	255.7
182	Chlorpromazine	Chlorpromazine Impurity - F		Impurity	AQ-TR-C-090	3-(4-chloro-10H-phenothiazin-10-yl)-N,N-dimethylpropan-1-amine	13094-24-1	BA 21752	C17H19ClN2S	318.86
183	Cholecalciferol	Cholecalciferol EP Impurity-D		Impurity	AQ-TR-C-348	(S)-4-methyl-3-((E)-2-((1R,7aR)-7a-methyl-1-((R)-6-methylheptan-2-yl)-2,3,5,6,7,7a-hexahydro-1H-inden-4-yl)vinyl)cyclohex-3-en-1-ol	22350-43-2	Isotachysterol3; Toxisterol3 D3	C27H44O	384.65
184		Cholecalciferol EP Impurity-B		Impurity	AQ-TR-C-349	(3S,9S,10R,13R,14R,17R)-10,13-dimethyl-17-((R)-6-methylheptan-2-yl)-2,3,4,9,10,11,12,13,14,15,16,17-dodecahydro-1H-cyclopenta[a]phenanthren-3-ol	434-16-2	Cholesta-5,7-dien-3β-ol; 7,8 Didehydro cholesterol; 7-Dehydro cholesterin; Provitamin D3	C27H44O	384.65
185		Cholecalciferol EP Impurity A		Impurity	AQ-TR-C-372	(S,E)-3-(2-((1R,3aS,7aR,E)-7a-methyl-1-((R)-6-methylheptan-2-yl)octahydro-4H-inden-4-ylidene)ethylidene)-4-methylenecyclohexan-1-ol	22350-41-0	trans-Cholecalciferol; trans-Vitamin D3	C27H44O	384.65
186	Ciprofloxacin	ethyl 7-chloro-4-oxo-1,4-dihydroquinoline-3-carboxylate		Impurity	AQ-TR-C-350	ethyl 7-chloro-4-oxo-1,4-dihydroquinoline-3-carboxylate	54132-35-3	Ciprofloxacin Impurity	C12H10ClNO3	251.67
187	Cilastatin	Cilastatin EP impurity-E		Impurity	AQ-TR-C-439	(R)-7-((2-amino-2-carboxyethyl)thio)-2-oxoheptanoic acid hydrogen chloride	1174657-07-8 (Free Base)	NA	C10H17NO5S (Free Base) C10H18ClNO5S (Salt)	263.31(Free base) 299.77 (HCl salt)
188		Cilastatin EP impurity-F		Impurity	AQ-TR-C-462	(Z)-7-(((R)-2-amino-2-carboxyethyl)thio)-2-(2,3-dimethylbut-3-enamido)hept-2-enoic acid	NA	NA	C16H26N2O5S	358.45
189	cis-Crotonic acid	Cis Crotonic acid		Impurity	AQ-TR-C-238	(Z)-but-2-enoic acid	503-64-0	Isocrotonic acid	C4H6O2	86.09
190		Cisatracurium EP impurity-C		impurity	AQ-TR-C-1268	(R)-1-(3,4-dimethoxybenzyl)-6,7-dimethoxy-2-methyl-1,2,3,4-tetrahydroisoquinoline	85-63-2	(-)-Laudanosine; (R)-Laudanosine; D-(-)-Laudanosine; D-Laudanosine; O-Methyllaudanidine; R-(-)-Laudanosine	C21H27NO4	357.45

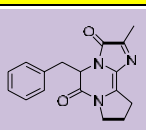
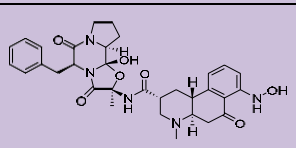
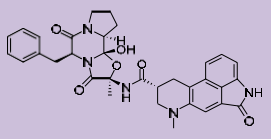
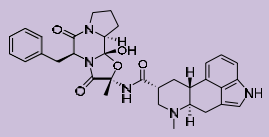
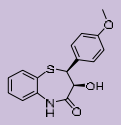
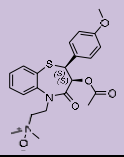
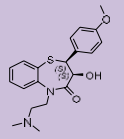
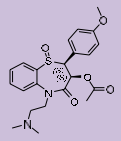
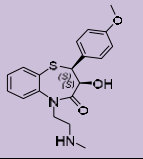
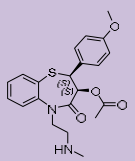
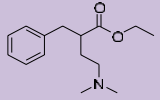
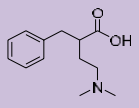
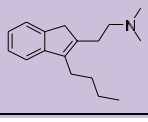
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
191	Cisatracurium	Cisatracurium EP impurity-D		impurity	AQ-TR-C-1269	(1R,2R)-1-(3,4-dimethoxybenzyl)-6,7-dimethoxy-2-(3-methoxy-3-oxopropyl)-2-methyl-1,2,3,4-tetrahydroisoquinolin-2-ium benzenesulfonate	1075726-88-3	Cisatracurium Besylate EP Impurity A	C31H39NO9S (Salt) C25H34NO6 (Free base)	601.71 (Salt) 444.55 (Free base)
192		Cisatracurium EP impurity-E		impurity	AQ-TR-C-1270	(1R,2S)-1-(3,4-dimethoxybenzyl)-2-(3-((5-hydroxypentyl)oxy)-3-oxopropyl)-6,7-dimethoxy-2-methyl-1,2,3,4-tetrahydroisoquinolin-2-ium benzenesulfonate	155913-35-2	NA	C35H47NO10S (Salt) C29H42NO7 (Free base)	673.82 (Salt) 516.65 (Free base)
193		Cisatracurium EP impurity-F		impurity	AQ-TR-C-1271	(1R,2R)-1-(3,4-dimethoxybenzyl)-2-(3-((5-hydroxypentyl)oxy)-3-oxopropyl)-6,7-dimethoxy-2-methyl-1,2,3,4-tetrahydroisoquinolin-2-ium benzenesulfonate	1100676-16-1	NA	C35H47NO10S (Salt) C29H42NO7(Free base)	673.82 (Salt) 516.65 (Free base)
194		Cisatracurium EP impurity-N		impurity	AQ-TR-C-1272	(1R,2S)-2-(3-((5-(acryloyloxy)pentyl)oxy)-3-oxopropyl)-1-(3,4-dimethoxybenzyl)-6,7-dimethoxy-2-methyl-1,2,3,4-tetrahydroisoquinolin-2-ium benzenesulfonate	NA	NA	C38H49NO11S (Salt) C32H44NO8 (Free base)	727.87 (Salt) 570.70 (Free base)
195		Cisatracurium EP impurity-R		impurity	AQ-TR-C-1273	pentane-1,5-diyl bis(3-((R)-1-(3,4-dimethoxybenzyl)-6,7-dimethoxy-3,4-dihydroisoquinolin-2(1H)-yl)propanoate) dioxalate	NA	Cisatracurium Besylate EP Impurity R	C55H70N2O20 (Salt) C51H66N2O12 (Free base)	1079.16 (Salt) 899.09 (Free base)
196		Cisatracurium EP impurity-W		impurity	AQ-TR-C-1274	(1R,2R)-2-(3-((5-acetoxypentyl)oxy)-3-oxopropyl)-1-(3,4-dimethoxybenzyl)-6,7-dimethoxy-2-methyl-1,2,3,4-tetrahydroisoquinolin-2-ium benzenesulfonate	NA	NA	C37H49NO11S (Salt) C31H44NO8 (Free base)	715.85 (Salt) 558.69 (Free base)
197		Cisatracurium EP impurity-A		impurity	AQ-TR-C-1293	(1R,2R)-2-(2-carboxyethyl)-1-(3,4-dimethoxybenzyl)-6,7-dimethoxy-2-methyl-1,2,3,4-tetrahydroisoquinolin-2-ium benzenesulfonate	1075727-06-8	Cisatracurium Besylate EP Impurity A	C30H37NO9S (Salt) C24H32NO6 (Free base)	587.68 (Salt) 430.52 (Free base)
198		Cisatracurium EP impurity-B		impurity	AQ-TR-C-1294	(R)-1-(3,4-dimethoxybenzyl)-6,7-dimethoxy-2,2-dimethyl-1,2,3,4-tetrahydroisoquinolin-2-ium iodide	41431-32-7	(±)-Laudanosine methiodide; (±)-N-Methyllaudanosinium iodide; D-(-)-Laudanosine methiodide	C22H30NO4I (Salt) C22H30NO4 (Free base)	499.39 (Salt) 372.48 (Free base)
199	Citalopram	Desmethyl citalopram hydrochloride		Impurity	AQ-TR-C-899	1-(4-fluorophenyl)-1-(3-(methylamino)propyl)-1,3-dihydroisobenzofuran-5-carbonitrile hydrochloride	97743-99-2	Lu 11-109C	C19H19FN2O (Free Base) C19H20ClFN2O (Salt)	310.15 (Free Base) 346.12 (Salt)
200	Clarithromycin	6,12-Di-O-methylerythromycin		impurity	AQ-TR-C-1164	(3R,4S,5S,6R,7R,9R,11R,12R,13S,14R)-6-(((2S,3R,4S,6R)-4-(dimethylamino)-3-hydroxy-6-methyltetrahydro-2H-pyran-2-yl)oxy)-14-ethyl-12-hydroxy-4-(((2S,4R,5S,6S)-5-hydroxy-4-methoxy-4,6-dimethyltetrahydro-2H-pyran-2-yl)oxy)-7,13-dimethoxy-3,5,7,9,11,13-hexamethyloxacyclotetradecane-2,10-dione	NA	12-O-Methyl Clarythromycin; Clarythromycin EP Impurity F	C39H71NO13	761.99
201	Clobetasol			Impurity	AQ-TR-C-008	(8S,9R,10S,11S,13S,14S,16S,17R)-9-fluoro-11-hydroxy-17-(2-hydroxyacetyl)-10,13,16-trimethyl-3-oxo-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthren-17-yl propionate	5534-13-4	Betamethasone 17-propionate; Betamethasone 17a-propionate	C25H33FO6	448.53
202				Impurity	AQ-TR-C-009	(8S,9R,10S,11S,13S,14S,16S,17R)-9-fluoro-11-hydroxy-10,13,16-triemthyl-17-(2-(emthylsulfonyloxy)acetyl)-3-oxo-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthren-17-yl propionate.	15423-80-0	NA	C26H35FO8S	526.62
203				Impurity	AQ-TR-C-010	(8S,9R,10S,11S,13S,14S,16S,17R)-17-(2-chloroacetyl)-9-fluoro-11-hydroxy-10,13,16-triemthyl-3-oxo-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthren-17-yl propionate.	25122-46-7	CCI 4725; CGP 9555; GR 2/925	C25H32ClFO5	466.97

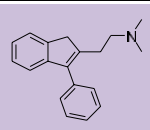
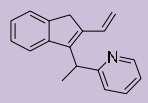
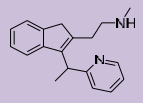
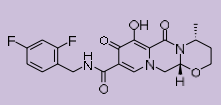
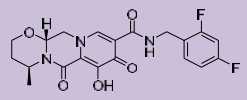
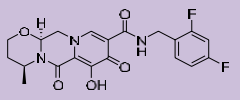
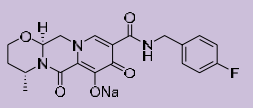
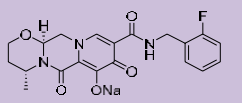
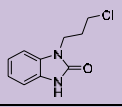
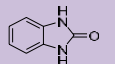
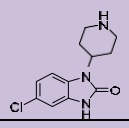
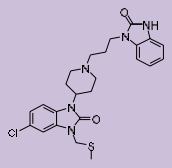
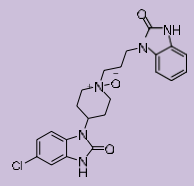
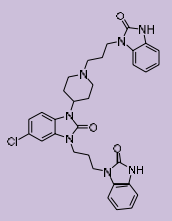
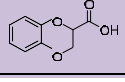
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
204	Crisaborole	5-(4-cyanophenoxy)-2-hydroxybenzoic acid		Impurity	AQ-TR-C-351	5-(4-cyanophenoxy)-2-hydroxybenzoic acid	NA	Crisaborole Impurity-4	C14H9NO4	255.23
205		4-[4-(4-bromo-3-formylphenoxy)-3-formylphenoxy]benzonitrile		Impurity	AQ-TR-C-352	4-(4-(4-bromo-3-formylphenoxy)-3-formylphenoxy)benzonitrile	NA	CRB-Ether Dimer impurity	C21H12BrNO4	422.23
206		O-isomer of Crisaborole		Impurity	AQ-TR-C-373	2-((1-hydroxy-1,3-dihydrobenzo[c][1,2]oxaborol-5-yl)oxy)benzonitrile	906673-30-1	Crisaborole Ortho Isomer; 4 Descyano-2-cyano-crisaborole	C14H10BNO3	251.05
207		4-(4-hydroxy-3-(hydroxymethyl)phenoxy)benzonitrile		Impurity	AQ-TR-C-374	4-(4-hydroxy-3-(hydroxymethyl)phenoxy)benzonitrile	NA	Crisaborole Impurity-1	C14H11NO3	241.25
208		4-((1-hydroxy-1,3-dihydrobenzo[c][1,2]oxaborol-5-yl)oxy)benzamide		Impurity	AQ-TR-C-375	4-((1-hydroxy-1,3-dihydrobenzo[c][1,2]oxaborol-5-yl)oxy)benzamide	1187188-59-5	NA	C14H12BNO4	269.06
209		4-((1-hydroxy-1,3-dihydrobenzo[c][1,2]oxaborol-5-yl)oxy)benzoic acid		Impurity	AQ-TR-C-376	4-((1-hydroxy-1,3-dihydrobenzo[c][1,2]oxaborol-5-yl)oxy)benzoic acid	906673-43-6	NA	C14H11BO5	270.05
210		4-(4-(hydroxymethyl)phenoxy)benzoic acid (Crisaborole)		impurity	AQ-TR-C-1151	4-(4-(hydroxymethyl)phenoxy)benzoic acid	1095050-84-2	AZD 9291 Impurity-J	C14H12O4	244.25
211		5-(3-cyanophenoxy)-1,3-dihydro-1-hydroxy 2,1-benzoxaborole/m-Crisaborole		impurity	AQ-TR-C-1224	3-((1-hydroxy-1,3-dihydrobenzo[c][1,2]oxaborol-5-yl)oxy)benzonitrile	906673-42-5	m-isomer of Crisaborole	C14H10BNO3	251.05
212	Cyclophosphamide	Cyclophosphamide Related Impurity (Closed Ring Ethanol Aduct)		Impurity	AQ-TR-C-003	2-((2-chloroethyl)(2-ethoxyethyl)amino)-1,3,2-oxazaphosphinane 2-oxide	NA	Cyclophosphamide Impurity F	C9H20ClN2O3P	270.69
213		Cyclophosphamide Related Impurity (Open Ring Ethanol Aduct)		Impurity	AQ-TR-C-004	3-aminopropyl hydrogen (2-chloroethyl)(2-ethoxyethyl)phosphoramidate	NA	Cyclophosphamide Impurity E	C9H22ClN2O4P	288.71
214		BIS THF HNS Derivative-I		Impurity	AQ-TR-C-239	2,5-dioxopyrrolidin-1-yl ((3S,3aR,6aS)-hexahydrofuro[2,3-b]furan-3-yl) carbonate	253265-98-4	NA	C11H13NO7	271.23
215		BIS THF HNS Derivative-II		Impurity	AQ-TR-C-240	2,5-dioxopyrrolidin-1-yl((3S,3aS,6aR)-hexahydrofuro[2,3-b]furan-3-yl) carbonate	799241-85-3	NA	C11H13NO7	271.23
216		BIS THF HNS Derivative-III		Impurity	AQ-TR-C-241	2,5-dioxopyrrolidin-1-yl((3R,3aR,6aS)-hexahydrofuro[2,3-b]furan-3-yl) carbonate	799241-86-4	NA	C11H13NO7	271.23
217		(3R,3aR,6aS)-Darunavir isomer		Impurity	AQ-TR-C-378	(3R,3aR,6aS)-hexahydrofuro[2,3-b]furan-3-yl ((2S,3R)-4-((4-amino-N-isobutylphenyl)sulfonamido)-3-hydroxy-1-phenylbutan-2-yl)carbamate	799241-74-0	TMC 181568	C27H37N3O7S	547.67
218		(3S,3aR,6aS)-Darunavir isomer		Impurity	AQ-TR-C-379	(3S,3aR,6aS)-hexahydrofuro[2,3-b]furan-3-yl ((2S,3R)-4-((4-amino-N-isobutylphenyl)sulfonamido)-3-hydroxy-1-phenylbutan-2-yl)carbamate	799241-73-9	TMC 87344	C27H37N3O7S	547.67
219		(3S,3aS,6aR)-Darunavir isomer		Impurity	AQ-TR-C-380	(3S,3aS,6aR)-hexahydrofuro[2,3-b]furan-3-yl ((2S,3R)-4-((4-amino-N-isobutylphenyl)sulfonamido)-3-hydroxy-1-phenylbutan-2-yl)carbamate	799241-75-1	TMC 181596	C27H37N3O7S	547.67
220		BIS THF 4-Nitro Phenyl Carbonate Derivative- I		Impurity	AQ-TR-C-470	(3S,3aR,6aS)-hexahydrofuro[2,3-b]furan-3-yl (4-nitrophenyl) carbonate	NA	NA	C13H13NO7	295.25

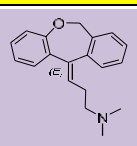
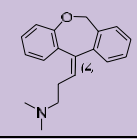
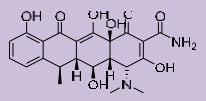
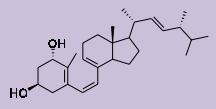
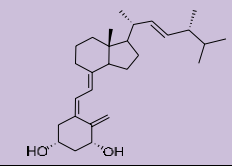
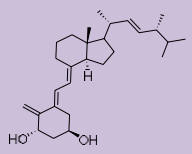
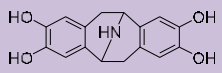
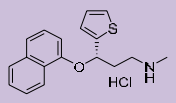
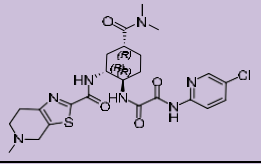
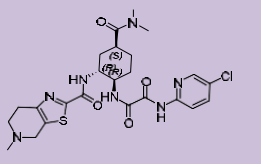
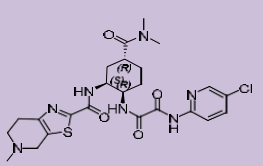
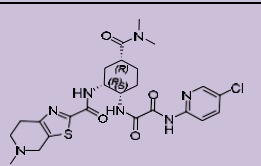
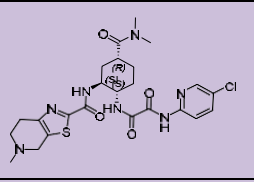
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
221	Darunavir	BIS THF 4-Nitro Phenyl carbonate Derivative- II		Impurity	AQ-TR-C-469	(3S,3aS,6aR)-hexahydrofuro[2,3-b]furan-3-yl (4-nitrophenyl) carbonate	NA	NA	C13H13NO7	295.25
222		BIS THF 4-Nitro Phenyl Carbonate Derivative- III		Impurity	AQ-TR-C-468	(3R,3aR,6aS)-hexahydrofuro[2,3-b]furan-3-yl (4-nitrophenyl) carbonate	NA	NA	C13H13NO7	295.25
223		Darunavir DP-2 Impurity		Impurity	AQ-TR-C-487	4-amino-N-(((4S,5R)-4-benzyl-2-oxooxazolidin-5-yl)methyl)-N-isobutylbenzenesulfonamide	1418639-27-6	NA	C21H27N3O4S	417.52
224		Darunavir DP-3 Impurity		Impurity	AQ-TR-C-488	methyl ((2S,3R)-4-((4-amino-N-isobutylphenyl)sulfonamido)-3-hydroxy-1-phenylbutan-2-yl)carbamate	1526916-57-3	NA	C22H31N3O5S	449.57
225		Darunavir-Furanone RSS Isomer		Impurity	AQ-TR-C-770	(3aR,4S,6aS)-4-methoxytetrahydrofuro[3,4-b]furan-2(3H)-one	1932353-11-1	NA	C7H10O4	158.15
226		Darunavir-Furanone RRS Isomer		Impurity	AQ-TR-C-771	(3aR,4R,6aS)-4-methoxytetrahydrofuro[3,4-b]furan-2(3H)-one	1932330-83-0	NA	C7H10O4	158.15
227		Darunavir-Furanone SRR Isomer		Impurity	AQ-TR-C-772	(3aS,4R,6aR)-4-methoxytetrahydrofuro[3,4-b]furan-2(3H)-one	866594-61-8	NA	C7H10O4	158.15
228		Darunavir-Furanone SSR Isomer		Impurity	AQ-TR-C-773	(3aS,4S,6aR)-4-methoxytetrahydrofuro[3,4-b]furan-2(3H)-one	866594-60-7	NA	C7H10O4	158.15
229	Dasatinib	Dasatinib Impurity-24		Impurity	AQ-TR-C-296	2-((6-(4-(2-hydroxyethyl)piperazin-1-yl)-2-methylpyrimidin-4-yl)amino)-N-(2-(4-(2-hydroxyethyl)piperazin-1-yl)-6-methylphenyl)thiazole-5-carboxamide	NA	NA	C28H39N9O3S	581.74
230	Deferasirox	Deferasirox Dimethoxy Impurity		Impurity	AQ-TR-C-297	2-methoxy-N-(2-methoxybenzoyl)benzamide	858425-08-8	Di-o-anisamide (SCI); Deferasirox Impurity 6	C16H15NO4	285.3
231		2-(5-chloro-2-hydroxyphenyl)-4H-benzo[e][1,3]oxazin-4-one		Impurity	AQ-TR-C-299	2-(5-chloro-2-hydroxyphenyl)-4H-benzo[e][1,3]oxazin-4-one	24798-50-3	NA	C14H8ClNO3	273.67
232		6-chloro-2-(2-hydroxyphenyl)-4H-benzo[e][1,3]oxazin-4-one		Impurity	AQ-TR-C-301	6-chloro-2-(2-hydroxyphenyl)-4H-benzo[e][1,3]oxazin-4-one	26276-85-7	NA	C14H8ClNO3	273.67
233	Dehydroprogesterone	6-Dehydroprogesterone		impurity	AQ-TR-C-1221	(8S,9S,10R,13S,14S,17S)-17-acetyl-10,13-dimethyl-1,2,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthren-3-one	1162-56-7	NA	C21H28O2	312.45
234		4-Epidemeclocycline		Impurity	AQ-TR-C-711	(4R,4aS,5aS,6S,12aS)-7-chloro-4-(dimethylamino)-3,6,10,12,12a-pentahydroxy-1,11-dioxo-1,4,4a,5,5a,6,11,12a-octahydrotetracene-2-carboxamide	14206-59-8	4-Epidemeclocycline EP Impurity B	C21H21ClN2O8	464.86
235	Demeclocycline	Demethyltetracycline, Impurity-A (EP-9.0)		Impurity	AQ-TR-C-712	(4S,4aS,5aS,6S,12aS)-4-(dimethylamino)-3,6,10,12,12a-pentahydroxy-1,11-dioxo-1,4,4a,5,5a,6,11,12a-octahydrotetracene-2-carboxamide	987-02-0	Demeclocycline Impurity A; CL 22415; Floricina	C21H22N2O8	430.41

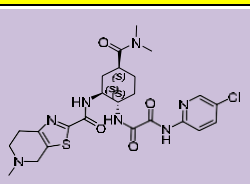
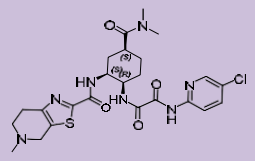
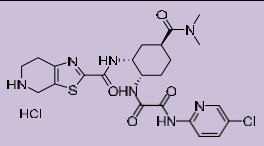
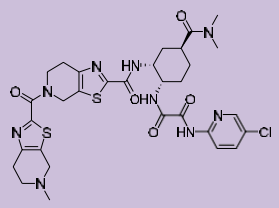
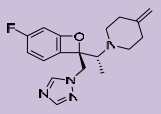
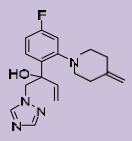
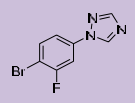
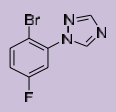
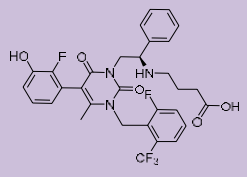
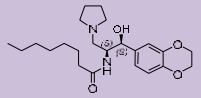
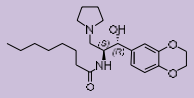
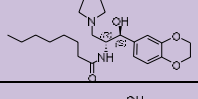
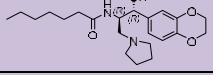
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
236		4-Epidemethyltetracycline		Impurity	AQ-TR-C-713	(4R,4aS,5aS,6S,12aS)-4-(dimethylamino)-3,6,10,12,12a-pentahydroxy-1,11-dioxo-1,4,4a,5,5a,6,11,12a-octahydrotetracene-2-carboxamide	129044-45-7	Epi-DMTC	C21H22N2O8	430.41
237	Desacetyl prasugrel	Desacetyl prasugrel		impurity	AQ-TR-C-987	5-(2-cyclopropyl-1-(2-fluorophenyl)-2-oxoethyl)-5,6,7,7a-tetrahydrothieno[3,2-c]pyridin-2(4H)-one	150322-38-6	Desacetyl prasugrel-mixture of diastereomers	C18H18FNO2S	331.41
238		Desacetyl prasugrel diastereomer 1		impurity	AQ-TR-C-985	5-(2-cyclopropyl-1-(2-fluorophenyl)-2-oxoethyl)-5,6,7,7a-tetrahydrothieno[3,2-c]pyridin-2(4H)-one	NA	NA	C18H18FNO2S	331.41
239		Desacetyl prasugrel diastereomer 2		impurity	AQ-TR-C-986	5-(2-cyclopropyl-1-(2-fluorophenyl)-2-oxoethyl)-5,6,7,7a-tetrahydrothieno[3,2-c]pyridin-2(4H)-one	NA	NA	C18H18FNO2S	331.41
240	Dexamethasone	Dexamethasone Sodium Phosphate Impurity E		Impurity	AQ-TR-C-128	((1R,3R,10aS,10bR,11S,12aS)-10b-fluoro-1,11-dihydroxy-3,10a,12a-trimethyl-2,8-dioxo-1,2,3,4,4a,4b,5,6,8,10a,10b,11,12,12a-tetradecahydrochrysen-1-yl)methyl dihydrogen phosphate	NA	NA	C22H30FO8P	472.45
241		Dexamethasone Sodium Phosphate Impurity D		Impurity	AQ-TR-C-129	((1S,3S,10aS,10bR,11S,12aS)-10b-fluoro-1,11-dihydroxy-3,10a,12a-trimethyl-2,8-dioxo-1,2,3,4,4a,4b,5,6,8,10a,10b,11,12,12a-tetradecahydrochrysen-1-yl)methyl dihydrogen phosphate	1202002-01-4	NA	C22H30FO8P	472.45
242		Dexamethasone Sodium Phosphate Impurity F		Impurity	AQ-TR-C-130	((3R,10aS,10bR,11S,12aS)-10b-fluoro-2,11-dihydroxy-3,10a,12a-trimethyl-1,8-dioxo-1,2,3,4,4a,4b,5,6,8,10a,10b,11,12,12a-tetradecahydrochrysen-2-yl)methyl dihydrogen phosphate	NA	NA	C22H30FO8P	472.45
243		Dexamethasone Sodium Phosphate Related Impurity		Impurity	AQ-TR-C-127	((3S,10aS,10bR,11S,12aS)-10b-fluoro-2,11-dihydroxy-3,10a,12a-trimethyl-1,8-dioxo-1,2,3,4,4a,4b,5,6,8,10a,10b,11,12,12a-tetradecahydrochrysen-2-yl)methyl dihydrogen phosphate	1202002-00-3	NA	C22H30FO8P	472.45
244		Dexamethasone Impurity		Impurity	AQ-TR-C-202	(8S,9R,10S,11S,13S,14S,16R,17R)-17-(2,2-dihydroxyacetyl)-9-fluoro-11,17-dihydroxy-10,13,16-trimethyl-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthren-3-one	NA	NA	C22H29FO6	408.47
245		Dexamethasone sodium phosphate diester (Impurity I)		impurity	AQ-TR-C-1248	bis(2-(((8S,9R,10S,11S,13S,14S,16R,17R)-9-fluoro-11,17-dihydroxy-10,13,16-trimethyl-3-oxo-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthren-17-yl)-2-oxoethyl) hydrogen phosphate	NA	NA	C44H57F2O12P	846.9
246		Dexamethasone Sodium Phosphate EP Impurity G		impurity	AQ-TR-C-1299	(8S,9R,10S,11S,13S,14S,16R,17R)-9-fluoro-11,17-dihydroxy-10,13,16-trimethyl-3-oxo-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthrene-17-carboxylic acid	37927-01-8	Dexamethasone Acid; Dexamethasone Imp-2	C21H27FO5	378.44
247	Dexlansoprazole	Dexlansoprazole		Impurity	AQ-TR-C-071	2-(((3-methyl-4-(2,2,2-trifluoroethoxy)pyridin-2-yl)methyl)sulfinyl)-1H-benzo[d]imidazole	138530-94-6	(+)-Lansoprazol; (R)-Lansoprazole; Dexilant; Dexlansoprazole; Dextrolansoprazole; R-(+)-Lansoprazole; T 168390; TAK 390	C16H14F3N3O2S	369.36
248		Dexlansoprazole Impurity-II		Impurity	AQ-TR-C-749	12-(((1H-benzo[d]imidazol-2-yl)thio)(3-methyl-4-(2,2,2-trifluoroethoxy)pyridin-2-yl)methyl)-1-methyl-2-(2,2,2-trifluoroethoxy)benzo[4',5']imidazo[2',1':2,3]imidazo[1,5-a]pyridine	NA	Cyclised dessulphur-sulphide adduct	C32H24F6N6O2S	670.63
249		Dexmedetomidine Potential impurity-4		Impurity	AQ-TR-C-408	1-(2,3-dimethylphenyl)-1-(1H-imidazol-5-yl)ethan-1-ol	86347-12-8	Potential impurity-4	C13H16N2O	216.28
250		Dexmedetomidine Potential impurity 5		Impurity	AQ-TR-C-409	5-(1-(2,3-dimethylphenyl)vinyl)-1H-imidazole	1021949-47-2	Potential impurity-5	C13H14N2	198.27
251		Dexmedetomidine Potential impurity		Impurity	AQ-TR-C-410	1-benzyl-4-(1-(2,3-dimethylphenyl)vinyl)-1H-imidazole	1311376-20-1	Dexmedetomidine Impurity	C20H20N2	288.39

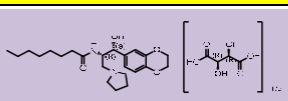
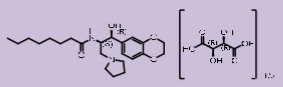
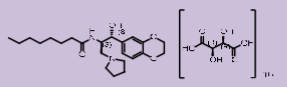
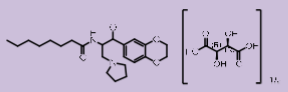
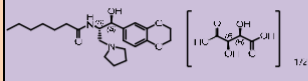
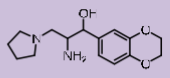
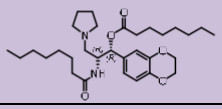
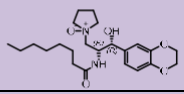
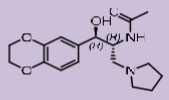
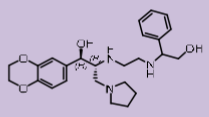
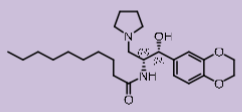
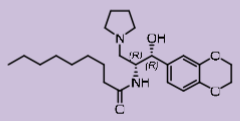
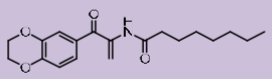
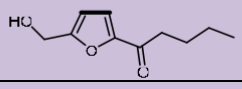
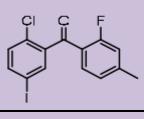
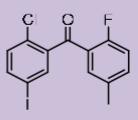
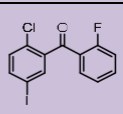
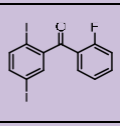
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
252	Dexmedetomidine	Dexmedetomidine Potential Impurity-1		Impurity	AQ-TR-C-454	1-(1-benzyl-1H-imidazol-5-yl)-1-(2,3-dimethylphenyl)ethan-1-ol	2250243-44-6	Potential Impurity-1	C20H22N2O	306.41
253		Dexmedetomidine Potential Impurity-6 Hydrochloride		Impurity	AQ-TR-C-456	1-benzyl-5-(1-(2,3-dimethylphenyl)vinyl)-1H-imidazole hydrogen chloride	2250243-56-0 (Free base)	Potential Impurity-6 Hydrochloride	20H21ClN2 (HCl Salt) C20H20N2 (Free Base)	324.85 (HCl Salt) 288.39 (Free Base)
254		Dexmedetomidine Potential Impurity-3 Hydrochloride		Impurity	AQ-TR-C-457	1-benzyl-5-(1-(2,3-dimethylphenyl)ethyl)-1H-imidazole hydrogen chloride	2250242-52-3 (Free base)	Potential Impurity-3 Hydrochloride	20H23ClN2 (HCl Salt) C20H22N2 (Free Base)	326.87 (HCl Salt) 290.41 (Free Base)
255		Dexmedetomidine Potential Impurity-8		Impurity	AQ-TR-C-458	5-(1-(2,3-dimethylphenyl)ethyl)-1-ethyl-1H-imidazole	2250243-24-2	Potential Impurity-8	C15H20N2	228.34
256		Dexmedetomidine Potential impurity-7 (Mixture of isomers)		Impurity	AQ-TR-C-466	4-(1-(2,3-dimethylcyclohexyl)ethyl)-1H-imidazole hydrogen chloride	NA	Potential impurity-7	C13H23ClN2 (HCl Salt) C13H22N2 (Free Base)	249.79 (HCl Salt) 206.33 (Free Base)
257		(1-benzyl-1H-imidazol-5-yl)(2,3-dimethylphenyl) methanone		Impurity	AQ-TR-C-523	(1-benzyl-1H-imidazol-5-yl)(2,3-dimethylphenyl)methanone	NA	NA	C19H18N2O	290.37
258		Dexmedetomidine Impurity-6 Other Isomer		Impurity	AQ-TR-C-524	1-benzyl-4-(1-(2,3-dimethylphenyl)vinyl)-1H-imidazole	NA	NA	C20H20N2	288.39
259		4-(1-(2,3-dimethylphenyl)ethyl) 1-ethyl-1H-imidazole		impurity	AQ-TR-C-1156	4-(1-(2,3-dimethylphenyl)ethyl)-1-ethyl-1H-imidazole	NA	Dexmedetomidine potential impurity-8 other isomer	C15H20N2	228.34
260		Dexmedetomidine Potential Impurity-3 hydrochloride other isomer		impurity	AQ-TR-C-1157	1-benzyl-4-(1-(2,3-dimethylphenyl)ethyl)-1H-imidazole	2197018-01-0 (free base)	NA	C20H22N2	290.41
261	Dezocine	(5R,11S,13R)-3-methoxy-5-methyl-5,6,7,8,9,10,11,12-octahydro-5,11-methanobenzo[10]annulen-13-amine		impurity	AQ-TR-C-1111	(5R,11S,13R)-3-methoxy-5-methyl-5,6,7,8,9,10,11,12-octahydro-5,11-methanobenzo[10]annulen-13-amine	NA	Na	C17H25NO	259.39
262		(5R,11S,13R)-13-amino-5-methyl-5,6,7,8,9,10,11,12-octahydro-5,11-methanobenzo[10]annulen-3-ol		impurity	AQ-TR-C-1112	(5R,11S,13R)-13-amino-5-methyl-5,6,7,8,9,10,11,12-octahydro-5,11-methanobenzo[10]annulen-3-ol	NA	Na	C16H23NO	245.37
263	Diazoxide	2-Amino-5-chlorobenzenesulfonic Acid hydrochloride		impurity	AQ-TR-C-947	2-amino-5-chlorobenzenesulfonic acid hydrochloride	2368872-22-2 133-74-4 (Free Base)	NA	C6H6ClNO3S (Free Base) C6H7Cl2NO3S (Salt	207.63 (Free Base) 244.09 (Salt)
264	Dibutyric acid	Para Phenyl Dibutyric Acid		Impurity	AQ-TR-C-726	4,4'-(1,4-phenylene)dibutyric acid	22339-62-4	NA	C14H18O4	250.29
265		Ortho Phenyl Dibutyric Acid		Impurity	AQ-TR-C-727	4,4'-(1,2-phenylene)dibutyric acid	64870-96-8	NA	C14H18O4	250.29
266		Ortho Phenyl Dibutyric Acid Anhydride		Impurity	AQ-TR-C-758	1,2,3,7,8,9-hexahydrobenzo[f][1]oxacycloundecine-4,6-dione	NA	NA	C14H16O3	232.28
267	Digoxin	Digoxin impurity -F		Impurity	AQ-TR-C-572	4-((3S,5R,8R,9S,10S,12R,13S,14S,17R)-3-(((2R,4S,5S,6R)-5-(((2S,4S,5S,6R)-4,5-dihydroxy-6-methyltetrahydro-2H-pyran-2-yl)oxy)-4-hydroxy-6-methyltetrahydro-2H-pyran-2-yl)oxy)-12,14-dihydroxy-10,13-dimethylhexadecahydro-1H-cyclopenta[a]phenanthren-17-yl)furan-2(5H)-one	5297-05-2	Bisdigoxigenin; Digoxigenin bisdigitoxide; Digoxigenin bisdigitoxoside	C35H54O11	650.81
268		Digoxin Impurity-D		Impurity	AQ-TR-C-613	4-((3S,5R,8R,9S,10S,12R,13S,14S,17R)-3-(((2R,4S,5S,6R)-4,5-dihydroxy-6-methyltetrahydro-2H-pyran-2-yl)oxy)-12,14-dihydroxy-10,13-dimethylhexadecahydro-1H-cyclopenta[a]phenanthren-17-yl)furan-2(5H)-one	5352-63-6	Digoxigenin 3-monodigitoxide; Digoxigenin monodigitoxide	C29H44O8	520.66

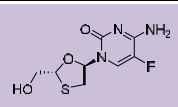
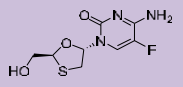
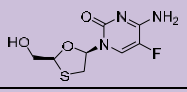
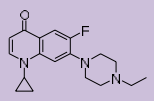
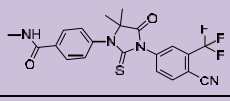
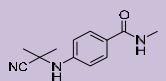
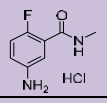
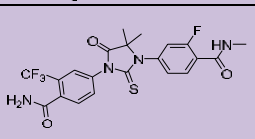
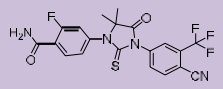
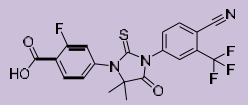
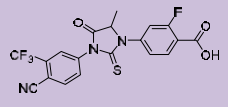
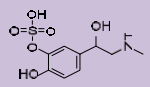
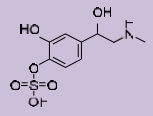
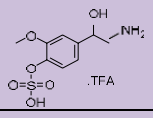
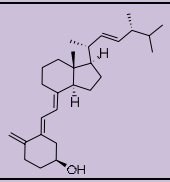
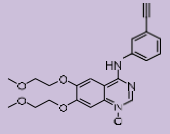
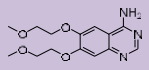
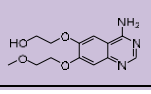
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
269	Dihydro Ergotamine	DHE Impurity-3 (RRT 0.36)		Impurity	AQ-TR-C-692	5-benzyl-2-methyl-9,10-dihydroimidazo[1,2-a]pyrrolo[2,1-c]pyrazine-3,6(5H,8H)-dione	98308-95-3	NA	C17H17N3O2	295.34
270		DHE Impurity-7 (RRT 0.76-0.79)		Impurity	AQ-TR-C-693	(2R,4aR,10bR)-N-((2R,5S,10aS,10bS)-5-benzyl-10b-hydroxy-2-methyl-3,6-dioxooctahydro-8H-oxazolo[3,2-a]pyrrolo[2,1-c]pyrazin-2-yl)-7-(hydroxyamino)-4-methyl-6-oxo-1,2,3,4,4a,5,6,10b-octahydrobenzo(f)quinoline-2-carboxamide	NA	NA	C32H37N5O7	603.68
271		DHE Impurity-10 (RRT: 1.42-1.44)		Impurity	AQ-TR-C-694	(R)-N-((2R,5S,10aS,10bS)-5-benzyl-10b-hydroxy-2-methyl-3,6-dioxooctahydro-8H-oxazolo[3,2-a]pyrrolo[2,1-c]pyrazin-2-yl)-7-methyl-5-oxo-4,5,7,8,9,10-hexahydroindolo[4,3-fg]quinoline-9-carboxamide	NA	NA	C33H33N5O6	595.66
272		Dihydroergotamine Impurity D		impurity	AQ-TR-C-1182	(6aR,9R,10aR)-N-((2S,5S,10aS,10bS)-5-benzyl-10b-hydroxy-2-methyl-3,6-dioxooctahydro-8H-oxazolo[3,2-a]pyrrolo[2,1-c]pyrazin-2-yl)-7-methyl-4,6,6a,7,8,9,10,10a-octahydroindolo[4,3-fg]quinoline-9-carboxamide	5550-75-4	NA	C33H37N5O5	583.68
273	Diltiazem	Des Acetyl Di des Amino Methyl Diltiazem		Impurity	AQ-TR-C-285	(2S,3S)-3-hydroxy-2-(4-methoxyphenyl)-2,3-dihydrobenzo[b][1,4]thiazepin-4(5H)-one	42399-49-5	NA	C16H15NO3S	301.36
274		Diltiazem N-Oxide		Impurity	AQ-TR-C-122	2-((2S,3S)-3-acetoxy-2-(4-methoxyphenyl)-4-oxo-3,4-dihydrobenzo[b][1,4]thiazepin-5(2H)-yl)-N,N-dimethylethan-1-amine oxide	142843-04-7	NA	C22H26N2O5S	430.52
275		Des Acetyl Diltiazem		Impurity	AQ-TR-C-123	(2S,3S)-5-(2-(dimethylamino)ethyl)-3-hydroxy-2-(4-methoxyphenyl)-2,3-dihydrobenzo[b][1,4]thiazepin-4(5H)-one	42399-40-6	NA	C20H24N2O3S	372.48
276		Diltiazem Sulphoxide		Impurity	AQ-TR-C-121	(2S,3S)-5-(2-(dimethylamino)ethyl)-2-(4-methoxyphenyl)-1-oxido-4-oxo-2,3,4,5-tetrahydrobenzo[b][1,4]thiazepin-3-yl acetate	370094-12-5	NA	C22H26N2O5S	430.52
277		Diltiazem EP Impurity G		Impurity	AQ-TR-C-147	(2S,3S)-3-hydroxy-2-(4-methoxyphenyl)-5-(2-(methylamino)ethyl)-2,3-dihydrobenzo[b][1,4]thiazepin-4(5H)-one	86408-44-8	O-Desacetyl-N-desmethyl Diltiazem	C19H22N2O3S	358.46
278		N-Des methyl Diltiazem		Impurity	AQ-TR-C-148	(2S,3S)-2-(4-methoxyphenyl)-5-(2-(methylamino)ethyl)-4-oxo-2,3,4,5-tetrahydrobenzo[b][1,4]thiazepin-3-yl acetate	86408-45-9	N-Monodesmethyl diltiazem; Diltiazem EP Impurity D	C21H24N2O4S	400.49
279	Dimetindene	Dimetindene EP Impurity-C		Impurity	AQ-TR-C-651	ethyl 2-benzyl-4-(dimethylamino)butanoate	92726-29-9	NA	C15H23NO2	249.35
280		Dimetindene EP Impurity-D		Impurity	AQ-TR-C-652	2-benzyl-4-(dimethylamino)butanoic acid	1613-23-6	NA	C13H19NO2	221.3
281		Dimetindene EP Impurity-F		Impurity	AQ-TR-C-653	2-(3-butyl-1H-inden-2-yl)-N,N-dimethylethan-1-amine	1346746-53-9	NA	C17H25N	243.39

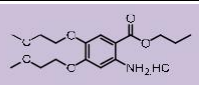
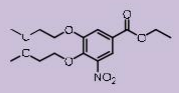
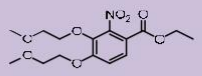
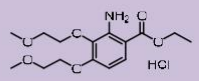
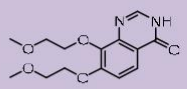
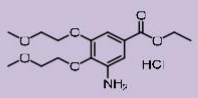
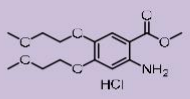
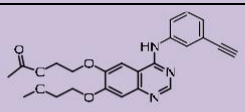
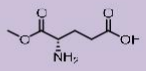
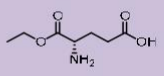
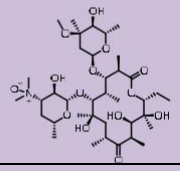
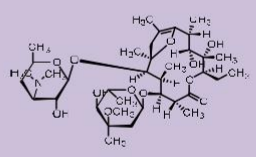
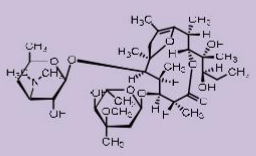
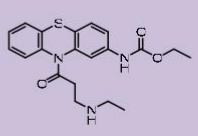
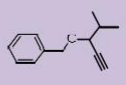
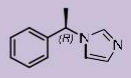
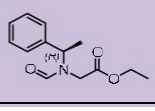
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
282		Dimetindene EP Impurity-G		Impurity	AQ-TR-C-654	N,N-dimethyl-2-(3-phenyl-1H-inden-2-yl)ethan-1-amine	803617-18-7	NA	C19H21N	263.38
283		Dimetindene EP impurity-H		Impurity	AQ-TR-C-655	2-(1H-indol-1H-inden-3-yl)ethyl)pyridine	1346597-95-2	NA	C18H17N	247.34
284		Dimetindene EP impurity-I		Impurity	AQ-TR-C-636	N-methyl-2-(3-(1-(pyridin-2-yl)ethyl)-1H-inden-2-yl)ethan-1-amine	151562-10-6	N-Demethyl dimetindene	C19H22N2	278.4
285		Dolutegravir R,R isomer		Impurity	AQ-TR-C-525	(4R,12aR)-N-(2,4-difluorobenzyl)-7-hydroxy-4-methyl-6,8-dioxo-3,4,6,8,12,12a-hexahydro-2H-pyrido[1',2':4,5]pyrazino[2,1-b][1,3]oxazine-9-carboxamide	1357289-29-2	NA	C20H19F2N3O5	419.38
286		(S,R)-Dolutegravir Isomer		Impurity	AQ-TR-C-686	(4S,12aR)-N-(2,4-difluorobenzyl)-7-hydroxy-4-methyl-6,8-dioxo-3,4,6,8,12,12a-hexahydro-2H-pyrido[1',2':4,5]pyrazino[2,1-b][1,3]oxazine-9-carboxamide	1309560-49-3	NA	C20H19F2N3O5	419.38
287	**Dolutegravir**	(S,S)-Dolutegravir Isomer (Dolutegravir Impurity-16)		Impurity	AQ-TR-C-687	(4S,12aS)-N-(2,4-difluorobenzyl)-7-hydroxy-4-methyl-6,8-dioxo-3,4,6,8,12,12a-hexahydro-2H-pyrido[1',2':4,5]pyrazino[2,1-b][1,3]oxazine-9-carboxamide	1357289-37-2	4-Epi -Dolutegravir	C20H19F2N3O5	419.38
288		Dolutegravir Impurity-4		Impurity	AQ-TR-C-688	sodium (4R,12aS)-9-((4-fluorobenzyl)carbamoyl)-4-methyl-6,8-dioxo-3,4,6,8,12,12a-hexahydro-2H-pyrido[1',2':4,5]pyrazino[2,1-b][1,3]oxazin-7-olate	NA	Defluoro Dolutegravir; Dolutegravir 2-Desfluoro Impurity	C20H19FN3NaO5	423.38
289		Dolutegravir Impurity-5		Impurity	AQ-TR-C-689	sodium (4R,12aS)-9-((2-fluorobenzyl)carbamoyl)-4-methyl-6,8-dioxo-3,4,6,8,12,12a-hexahydro-2H-pyrido[1',2':4,5]pyrazino[2,1-b][1,3]oxazin-7-olate	NA	4-Defluoro Dolutegravir	C20H19FN3NaO5	423.38
290		Domperidone (RC-2)		Impurity	AQ-TR-C-109	1-(3-chloropropyl)-1,3-dihydro-2H-benzo[d]imidazol-2-one	62780-89-6	NA	C10H11ClN2O	210.66
291		Domperidone (RC-4)		Impurity	AQ-TR-C-110	1,3-dihydro-2H-benzo[d]imidazol-2-one	615-16-7	NSC 10383; NSC 178108	C7H6N2O	134.14
292		Domperidone (RC-5)		Impurity	AQ-TR-C-111	5-chloro-1-(piperidin-4-yl)-1,3-dihydro-2H-benzo[d]imidazol-2-one	53786-28-0	R 29676 Domperidone IMPURITY A; Domperidone EP Impurity A	C12H14ClN3O	251.71
293	**Domperidone**	Domperidone (RC-3)		Impurity	AQ-TR-C-112	5-chloro-3-((methylthio)methyl)-1-(1-(3-(2-oxo-2,3-dihydro-1H-benzo[d]imidazol-1-yl)propyl)piperidin-4-yl)-1,3-dihydro-2H-benzo[d]imidazol-2-one	NA	NA	C24H28ClN5O2S	486.03
294		Domperidone-N-Oxide		Impurity	AQ-TR-C-186	4-(5-chloro-2-oxo-2,3-dihydro-1H-benzo[d]imidazol-1-yl)-1-(3-(2-oxo-2,3-dihydro-1H-benzo[d]imidazol-1-yl)propyl)piperidine 1-oxide	118435-03-3	Domperidone Impurity C; Domperidone EP Impurity C	C22H24ClN5O3	441.92
295		Domperidone Dimer (RC-7)		Impurity	AQ-TR-C-143	5-chloro-3-(3-(2-oxo-2,3-dihydro-1H-benzo[d]imidazol-1-yl)propyl)-1-(1-(3-(2-oxo-2,3-dihydro-1H-benzo[d]imidazol-1-yl)propyl)piperidin-4-yl)-1,3-dihydro-2H-benzo[d]imidazol-2-one	1614255-34-3	Domperidone Impurity D	C32H34ClN7O3	600.12
296	**Doxazosin**	Doxazosin Mesylate Related Compound		Impurity	AQ-TR-C-286	2,3-dihydrobenzo[b][1,4]dioxine-2-carboxylic acid	3663-80-7	RX 811056	C9H8O4	180.16

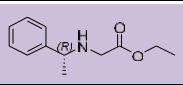
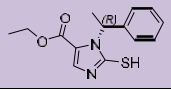
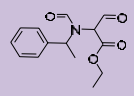
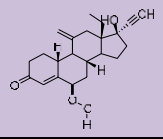
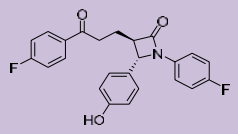
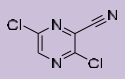
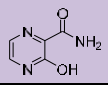
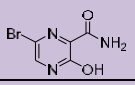
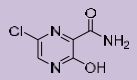
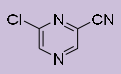
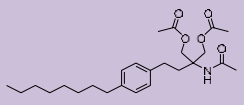
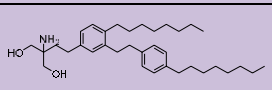
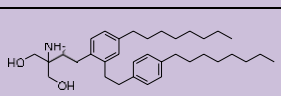
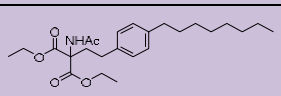
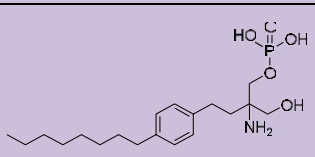
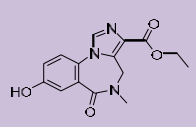
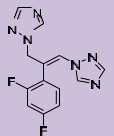
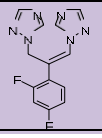
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
297	Doxepin	E-Doxepin		impurity	AQ-TR-C-1191	(E)-3-(dibenzo[b,e]oxepin-11(6H)-ylidene)-N,N-dimethylpropan-1-amine	3607-34-9	NA	C19H21NO	279.38
298		Z-Doxepin		impurity	AQ-TR-C-1192	(Z)-3-(dibenzo[b,e]oxepin-11(6H)-ylidene)-N,N-dimethylpropan-1-amine	3607-18-9	NA	C19H21NO	279.38
299	Doxycycline	4-Epidoxycycline		Impurity	AQ-TR-C-242	(4R,4aR,5S,5aR,6R,12aS)-4-(dimethylamino)-3,5,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-1,4,4a,5,5a,6,11,12a-octahydrotetracene-2-carboxamide	6543-77-7	Doxcycycline Hyclate - Impurity C	C22H24N2O8	444.44
300	Doxercalciferol	Pre-doxercalciferol		Impurity	AQ-TR-C-236	(1R,3S)-5-((Z)-2-((7aR)-1-((2R,5R,E)-5,6-dimethylhept-3-en-2-yl)-7a-methyl-2,3,3a,6,7,7a-hexahydro-1H-inden-4-yl)vinyl)-4-methylcyclohex-4-ene-1,3-diol	1818286-63-3	NA	C28H44O2	412.66
301		Beta-Doxercalciferol		Impurity	AQ-TR-C-720	(7aR,E)-4-((Z)-2-((3R,5S)-3,5-dimethyl-2-methylenecyclohexylidene)ethylidene)-1-((2R,5R,E)-5,6-dimethylhept-3-en-2-yl)-7a-methyloctahydro-1H-indene	NA	Doxercalciferol Impurity-1	C28H44O2	412.66
302		Trans-Doxer calciferol		impurity	AQ-TR-C-1245	(1R,3S,E)-5-(2-((3aS,7aR,E)-1-((2R,5R,E)-5,6-dimethylhept-3-en-2-yl)-7a-methyloctahydro-4H-inden-4-ylidene)ethylidene)-4-methylenecyclohexane-1,3-diol	NA	NA	C28H44O2	412.66
303	Droxidopa	Droxidopa Imp-M		impurity	AQ-TR-C-1146	5,6,11,12-tetrahydro-5,11-epiminodibenzo[a,e][8]annulene-2,3,8,9-tetraol	90044-46-5	(±)-Tetrahydroxy pavinane	C16H15NO4	285.30
304	Duloxetine	Duloxetine Hydrochloride		Impurity	AQ-TR-C-716	(S)-N-methyl-3-(naphthalen-1-yloxy)-3-(thiophen-2-yl)propan-1-amine hydrochloride	136434-34-9	(S)-Duloxetine HCl; Cymbalta; Dulane 20; LY 248686 HCl	C18H20ClNOS(HClSalt) C18H19NOS(Free base)	333.87 (HCl Salt) 297.42 (Free base)
305	Edoxaban	Edoxaban Tosylate-RRR-isomer Impurity		Impurity	AQ-TR-C-603	N1-(5-chloropyridin-2-yl)-N2-((1R,2R,4R)-4-(dimethylcarbamoyl)-2-(5-methyl-4,5,6,7-tetrahydrothiazolo[5,4-c]pyridine-2-carboxamido)cyclohexyl)oxalamide	1255529-24-8	NA	C24H30ClN7O4S	548.06
306		Edoxaban Tosylate-RRS-isomer Impurity		Impurity	AQ-TR-C-604	N1-(5-chloropyridin-2-yl)-N2-((1R,2R,4S)-4-(dimethylcarbamoyl)-2-(5-methyl-4,5,6,7-tetrahydrothiazolo[5,4-c]pyridine-2-carboxamido)cyclohexyl)oxalamide	480449-28-3 (HCl Salt)	1-Epi-Edoxaban; (1R)-Edoxaban	C24H30ClN7O4S	548.06
307		Edoxaban Tosylate-RSR-isomer Impurity		Impurity	AQ-TR-C-605	N1-(5-chloropyridin-2-yl)-N2-((1R,2S,4R)-4-(dimethylcarbamoyl)-2-(5-methyl-4,5,6,7-tetrahydrothiazolo[5,4-c]pyridine-2-carboxamido)cyclohexyl)oxalamide	1255529-23-7	Ent-Edoxaban; Edoxaban Impurity 1	C24H30ClN7O4S	548.06
308		Edoxaban Tosylate-SRR-isomer Impurity		Impurity	AQ-TR-C-606	N1-(5-chloropyridin-2-yl)-N2-((1S,2R,4R)-4-(dimethylcarbamoyl)-2-(5-methyl-4,5,6,7-tetrahydrothiazolo[5,4-c]pyridine-2-carboxamido)cyclohexyl)oxalamide	1255529-26-0	4-epi-Edoxaban	C24H30ClN7O4S	548.06
309		Edoxaban Tosylate-SSR-isomer Impurity		Impurity	AQ-TR-C-607	N1-(5-chloropyridin-2-yl)-N2-((1S,2S,4R)-4-(dimethylcarbamoyl)-2-(5-methyl-4,5,6,7-tetrahydrothiazolo[5,4-c]pyridine-2-carboxamido)cyclohexyl)oxalamide	1255529-28-2	NA	C24H30ClN7O4S	548.06

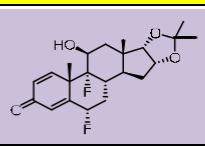
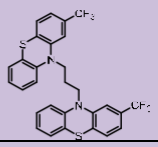
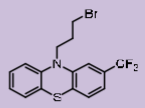
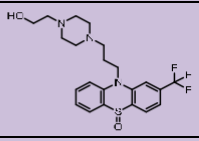
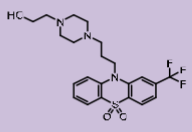
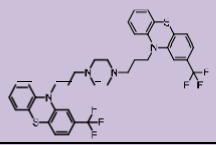
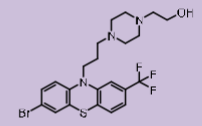
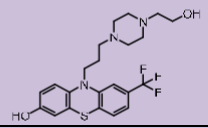
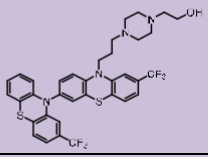
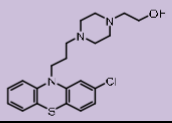
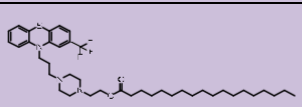
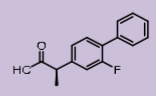
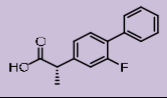
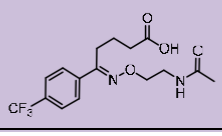
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
310		Edoxaban Tosylate-SSS-isomer Impurity		Impurity	AQ-TR-C-608	N1-(5-chloropyridin-2-yl)-N2-((1S,2S,4S)-4-(dimethylcarbamoyl)-2-(5-methyl-4,5,6,7-tetrahydrothiazolo[5,4-c]pyridine-2-carboxamido)cyclohexyl)oxalamide	1255529-27-1	NA	C24H30ClN7O4S	548.06
311		Edoxaban Tosylate-RSS-isomer Impurity		Impurity	AQ-TR-C-639	N1-(5-chloropyridin-2-yl)-N2-((1R,2S,4S)-4-(dimethylcarbamoyl)-2-(5-methyl-4,5,6,7-tetrahydrothiazolo[5,4-c]pyridine-2-carboxamido)cyclohexyl)oxalamide	1255529-25-9	NA	C24H30ClN7O4S	548.06
312		N-Des Methyl Edoxaban hydrochloride		Impurity	AQ-TR-C-875	N1-(5-chloropyridin-2-yl)-N2-((1S,2R,4S)-4-(dimethylcarbamoyl)-2-(4,5,6,7-tetrahydrothiazolo[5,4-c]pyridine-2-carboxamido)cyclohexyl)oxalamide hydrochloride	778571-11-2 (Free base) 480449-52-3 (HCl salt)	N-Des Me Edoxaban hydrochloride	C23H28ClN7O4S (Free Base) C23H28ClN7O4S.ClH (Salt)	534.03 (Free Base) 570.49 (HCl Salt)
313		N-Des Methyl Edoxaban coupled		Impurity	AQ-TR-C-876	N1-(5-chloropyridin-2-yl)-N2-((1S,2R,4S)-4-(dimethylcarbamoyl)-2-(5-(5-methyl-4,5,6,7-tetrahydrothiazolo[5,4-c]pyridine-2-carbonyl)-4,5,6,7-tetrahydrothiazolo[5,4-c]pyridine-2-carboxamido)cyclohexyl)oxalamide	NA	N-Des Me Edoxaban coupled	C31H36ClN9O5S2	714.26
314	Efinaconazole	Efinaconazole Impurity		Impurity	AQ-TR-C-274	1-((R)-1-((R)-8-((1H-1,2,4-triazol-1-yl)methyl)-4-fluoro-7-oxabicyclo[4.2.0]octa-1(6),2,4-trien-8-yl)ethyl)-4-methylenepiperidine	NA	Efinaconazole Impurity 17	C18H21FN4O	328.39
315		Efinaconazole Impurity		Impurity	AQ-TR-C-496	2-(4-fluoro-2-(4-methylenepiperidin-1-yl)phenyl)-1-(1H-1,2,4-triazol-1-yl)but-3-en-2-ol	NA	NA	C18H21FN4O	328.39
316		Efinaconazole N-Oxide		Impurity	AQ-TR-C-497	1-((2R,3R)-3-(2,4-difluorophenyl)-3-hydroxy-4-(1H-1,2,4-triazol-1-yl)butan-2-yl)-4-methylenepiperidine 1-oxide	2055038-63-4	NA	C18H22F2N4O2	364.4
317		4-bromo-3-fluorophenyl triazole		Impurity	AQ-TR-C-513	1-(4-bromo-3-fluorophenyl)-1H-1,2,4-triazole	1783748-37-7	NA	C8H5BrFN3	242.05
318		1-(2-bromo-5-fluorophenyl)-1H-1,2,4-triazole		Impurity	AQ-TR-C-515	1-(2-bromo-5-fluorophenyl)-1H-1,2,4-triazole	909274-76-6	NA	C8H5BrFN3	242.05
319	Elagolix	O-Demethyl Elagolix		impurity	AQ-TR-C-1200	(R)-4-((2-(5-(2-fluoro-3-hydroxyphenyl)-3-(2-fluoro-6-(trifluoromethyl)benzyl)-4-methyl-2,6-dioxo-3,6-dihydropyrimidin-1(2H)-yl)-1-phenylethyl)amino)butanoic acid	832720-51-1	NA	C31H28F5N3O5	617.57
320		(1S, 2S)-Eliglustat		Impurity	AQ-TR-C-062	N-((1S,2S)-1-(2,3-dihydrobenzo[b][1,4]dioxin-6-yl)-1-hydroxy-3-(pyrrolidin-1-yl)propan-2-yl)octanamide	1092472-70-2	NA	C23H36N2O4	404.55
321		1R 2S Eliglustat		Impurity	AQ-TR-C-065	N-((1R,2S)-1-(2,3-dihydrobenzo[b][1,4]dioxin-6-yl)-1-hydroxy-3-(pyrrolidin-1-yl)propan-2-yl)octanamide	1092472-65-5	Eliglustat Diastereomer (1R, 2S)	C23H36N2O4	404.55
322		1S 2R-Eliglustat		Impurity	AQ-TR-C-063	N-((1S,2R)-1-(2,3-dihydrobenzo[b][1,4]dioxin-6-yl)-1-hydroxy-3-(pyrrolidin-1-yl)propan-2-yl)octanamide	1092472-66-6	NA	C23H36N2O4	404.55
323		Eliglustat Heptanoic acid		Impurity	AQ-TR-C-149	N-((1R,2R)-1-(2,3-dihydrobenzo[b][1,4]dioxin-6-yl)-1-hydroxy-3-(pyrrolidin-1-yl)propan-2-yl)heptanamide	NA	NA	C22H34N2O4	390.52

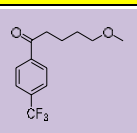
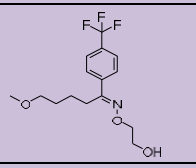
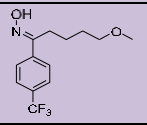
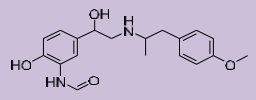
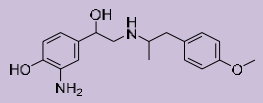
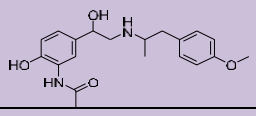
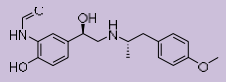
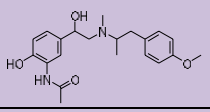
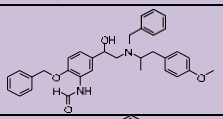
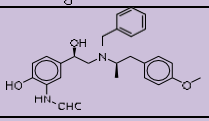
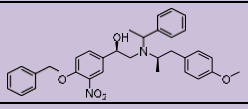
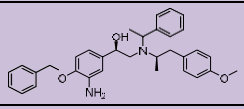
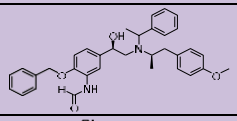
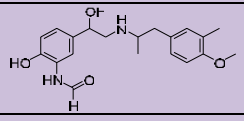
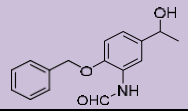
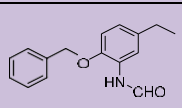
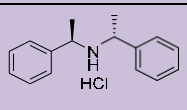
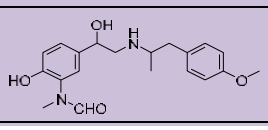
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
324	Eliglustat	(1S, 2R) Eliglustat Hemi Tartaric Salt		Impurity	AQ-TR-C-287	N-[(1S,2R)-1-(2,3-dihydrobenzo[b][1,4]dioxin-6-yl)-1-hydroxy-3-(pyrrolidin-1-yl)propan-2-yl]octanamide(2R,3R)-2,3-dihydroxysuccinate	NA	Eliglustat Diastereomers	C23H36N2O4 (Free Base) C25H39N2O7 (salt)	404.54 (Free Base) 479.59 (salt)
325		(1R, 2S) Eliglustat Hemi Tartaric Salt		Impurity	AQ-TR-C-288	N-[(1R,2S)-1-(2,3-dihydrobenzo[b][1,4]dioxin-6-yl)-1-hydroxy-3-(pyrrolidin-1-yl)propan-2-yl]octanamide(2R,3R)-2,3-dihydroxysuccinate	NA	Eliglustat Diastereomers	C23H36N2O4 (Free Base) C25H39N2O7 (salt)	404.54 (Free Base) 479.59 (salt)
326		(1S, 2S) Eliglustat Hemi Tartaric Salt		Impurity	AQ-TR-C-021	N-[(1S,2S)-1-(2,3-dihydrobenzo[b][1,4]dioxin-6-yl)-1-hydroxy-3-(pyrrolidin-1-yl)propan-2-yl]octanamide(2R,3R)-2,3-dihydroxysuccinate	NA	Eliglustat Enantiomer	C23H36N2O4 (Free Base) C25H39N2O7 (salt)	404.54 (Free Base) 479.59 (salt)
327		Eliglustat Hemi Tartaric Salt (Mixtures of Isomers)		Impurity	AQ-TR-C-150	N-1-(2,3-dihydrobenzo[b][1,4]dioxin-6-yl) 1-hydroxy-3-(pyrrolidin-1-yl)propan-2-yl)octanamide(2R,3R)-2,3-dihydroxysuccinate	NA	Eliglistat all Isomers	C27H42N2O10	554.64 (salt) 404.55 (free base)
328		Eliglustat Impurity A		Impurity	AQ-TR-C-022	N-[(1S,2S)-1-(2,3-dihydrobenzo[b][1,4]dioxin-6-yl)-1-hydroxy-3-(pyrrolidin-1-yl)propan-2-yl]heptanamide (2R,3R)-2,3-dihydroxysuccinate	NA	NA	C26H40N2O10 (Salt) C22H34N2O4 (Free base)	540.61 (Salt) 390.52 (Free base)
329		Eliglustat Impurity B		Impurity	AQ-TR-C-151	2-amino-1-(2,3-dihydrobenzo[b][1,4]dioxin-6-yl)-3-(pyrrolidin-1-yl)propan-1-ol	NA	NA	C15H22N2O3	278.35
330		Eliglustat O-Octanyl Impurity		Impurity	AQ-TR-C-173	(1R,2R)-1-(2,3-dihydrobenzo[b][1,4]dioxin-6-yl)-2-octanamido-3-(pyrrolidin-1-yl)propyl octanoate	2193052-06-9	NA	C31H50N2O5	530.75
331		Eliglustat N-Oxide		Impurity	AQ-TR-C-174	1-((2R,3R)-3-(2,3-dihydrobenzo[b][1,4]dioxin-6-yl)-3-hydroxy-2-octanamidopropyl)pyrrolidine 1-oxide	2137145-62-9	NA	C23H36N2O5	420.55
332		N-Acetyl impurity(Eliglustat)		Impurity	AQ-TR-C-481	N-[(1R,2R)-1-(2,3-dihydrobenzo[b][1,4]dioxin-6-yl)-1-hydroxy-3-(pyrrolidin-1-yl)propan-2-yl]acetamide	2219353-50-9	Eliglustat N-Acetyl impurity	C17H24N2O4	320.39
333		(1R,2R)-1-(2,3-dihydrobenzo[b][1,4]dioxin-6-yl)-2-((2-(2-hydroxy-1-phenylethyl)amino)ethyl)amino)-3-(pyrrolidin-1-yl)propan-1-ol		Impurity	AQ-TR-C-498	(1R,2R)-1-(2,3-dihydrobenzo[b][1,4]dioxin-6-yl)-2-((2-((2 hydroxy-1-phenylethyl)amino)ethyl)amino)-3-(pyrrolidin-1-yl)propan-1-ol	1092465-25-2	NA	C25H35N3O4	441.57
334		Eliglustat Decanoic acid		Impurity	AQ-TR-C-499	N-[(1R,2R)-1-(2,3-dihydrobenzo[b][1,4]dioxin-6-yl)-1-hydroxy-3-(pyrrolidin-1-yl)propan-2-yl)decanamide	491833-31-9	NA	C25H40N2O4	432.61
335		Eliglustat Nonanoic acid		Impurity	AQ-TR-C-500	N-[(1R,2R)-1-(2,3-dihydrobenzo[b][1,4]dioxin-6-yl)-1-hydroxy-3-(pyrrolidin-1-yl)propan-2-yl)nonanamide	491833-30-8	NA	C24H38N2O4	418.58
336		ELG-Oxopropen Octanamide		Impurity	AQ-TR-C-573	N-(3-(2,3-dihydrobenzo[b][1,4]dioxin-6-yl)-3-oxoprop-1-en-2-yl)octanamide	NA	NA	C19H25NO4	331.41
337	Empagliflozin	Empagliflozin Impurity 9		Impurity	AQ-TR-C-614	1-(5-(hydroxymethyl)furan-2-yl)pentan-1-one	2265225-32-7	NA	C10H14O3	182.22
338		(2-chloro-5-iodophenyl)(2-fluoro-4-methylphenyl)methanone		impurity	AQ-TR-C-1044	(2-chloro-5-iodophenyl)(2-fluoro-4-methylphenyl)methanone	2452301-26-5	NA	C14H9ClFIO	374.58
339		(2-chloro-5-iodophenyl)(2-fluoro-5-methylphenyl)methanone		impurity	AQ-TR-C-1045	(2-chloro-5-iodophenyl)(2-fluoro-5-methylphenyl)methanone	2452301-25-4	NA	C14H9ClFIO	374.58
340		(2-chloro-5-iodophenyl)(2-fluorophenyl)methanone		impurity	AQ-TR-C-1046	(2-chloro-5-iodophenyl)(2-fluorophenyl)methanone	2452301-23-2	NA	C13H7ClFIO	360.55
341		(2,5-diiodophenyl)(2-fluorophenyl)methanone		impurity	AQ-TR-C-1047	(2,5-diiodophenyl)(2-fluorophenyl)methanone	2452301-24-3	NA	C13H7FI2O	452.01

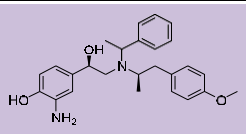
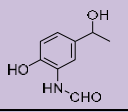
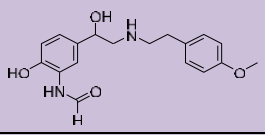
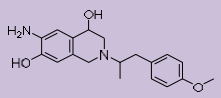
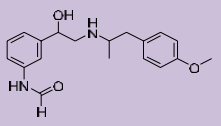
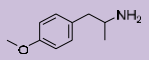
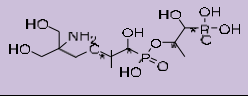
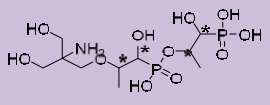
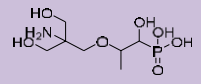
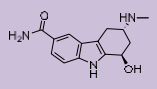
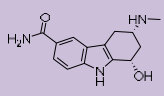
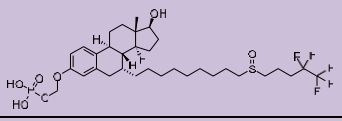
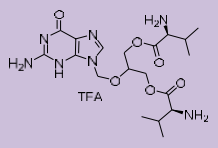
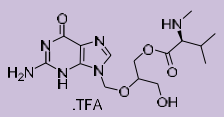
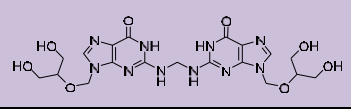
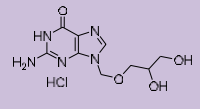
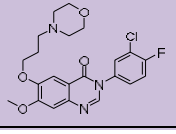
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
342	Emtricitabine	(2R,5R)-Emtricitabine		Impurity	AQ-TR-C-526	4-amino-5-fluoro-1-((2R,5R)-2-(hydroxymethyl)-1,3-oxathiolan-5-yl)pyrimidin-2(1H)-one	483299-09-8 (HCl Salt)	5-epi Emtricitabine, α-L-FTC	C8H10FN3O3S	247.24
343		(2S,5S)-Emtricitabine		Impurity	AQ-TR-C-527	4-amino-5-fluoro-1-((2S,5S)-2-(hydroxymethyl)-1,3-oxathiolan-5-yl)pyrimidin-2(1H)-one	145416-34-8	2-epi Emtricitabine	C8H10FN3O3S	247.24
344		(2S,5R)-Emtricitabine		Impurity	AQ-TR-C-617	4-amino-5-fluoro-1-((2S,5R)-2-(hydroxymethyl)-1,3-oxathiolan-5-yl)pyrimidin-2(1H)-one	137530-41-7	(+)-FTC	C8H10FN3O3S	247.24
345	Enrofloxacin	Enrofloxacin Impurity F		Impurity	AQ-TR-C-197	1-cyclopropyl-7-(4-ethylpiperazin-1-yl)-6-fluoroquinolin-4(1H)-one	131775-99-0	NA	C18H22FN3O	315.39
346	Enzalutamide	Des Fluoro Enzalutamide		Impurity	AQ-TR-C-411	4-(3-(4-cyano-3-(trifluoromethyl)phenyl)-5,5-dimethyl-4-oxo-2-thioxoimidazolidin-1-yl)-N-methylbenzamide	915087-16-0	Defluoro-MDV 3100	C21H17F3N4O2S	446.45
347		ENZ cyano desfluoro impurity		Impurity	AQ-TR-C-516	4-((2-cyanopropan-2-yl)amino)-N-methylbenzamide	NA	NA	C12H15N3O	217.27
348		5-Amino-2-fluoro-N-methylbenzamide hydrochloride		Impurity	AQ-TR-C-528	5-amino-2-fluoro-N-methylbenzamide hydrochloride	1242840-35-2	NA	C8H10ClFN2O	204.63
349		ENZ DIAMIDE Impurity		Impurity	AQ-TR-C-797	4-(3-(4-carbamoyl-3-(trifluoromethyl)phenyl)-5,5-dimethyl-4-oxo-2-thioxoimidazolidin-1-yl)-2-fluoro-N methylbenzamide	2030242-21-6	NA	C21H18F4N4O3S	482.45
350		N-Desmethyl Enzalutamide		impurity	AQ-TR-C-1152	4-(3-(4-cyano-3-(trifluoromethyl)phenyl)-5,5-dimethyl-4-oxo-2-thioxoimidazolidin-1-yl)-2-fluorobenzamide	1242137-16-1	N-Desmethyl MDV 3100	C20H14F4N4O2S	450.41
351		Enzalutamide Carboxylic Acid		impurity	AQ-TR-C-1168	4-(3-(4-cyano-3-(trifluoromethyl)phenyl)-5,5-dimethyl-4-oxo-2-thioxoimidazolidin-1-yl)-2-fluorobenzoic acid	1242137-15-0	Enzalutamide Impurity 5	C20H13F4N3O3S	451.40
352		C-Desmethyl enzalutamide acid impurity		impurity	AQ-TR-C-1197	4-(3-(4-cyano-3-(trifluoromethyl)phenyl)-5-methyl-4-oxo-2-thioxoimidazolidin-1-yl)-2-fluorobenzoic acid	NA	NA	C19H11F4N3O3S	437.37
353	Epinephrine	Epinephrine Impurity 1		Impurity	AQ-TR-C-131	2-hydroxy-5-(1-hydroxy-2-(methylamino)ethyl)phenyl hydrogen sulfate	112346-91-5	NA	C9H13NO6S	263.26
354		Epinephrine Sulfate		Impurity	AQ-TR-C-137	2-hydroxy-4-(1-hydroxy-2-(methylamino)ethyl)phenyl hydrogen sulfate	21093-18-5	NA	C9H13NO6S	263.26
355		DL-Normetanephrine Sulfate		Impurity	AQ-TR-C-141	4-(2-amino-1-hydroxyethyl)-2-methoxyphenyl hydrogen sulfate	1215-29-8	NA	C9H13NO6S	263.26
356	Ergocalciferol	Ergocalciferol (Vitamin D2) EP Impurity A		Impurity	AQ-TR-C-900	(S,E)-3-(2-((1R,3aS,7aR,E)-1-((2R,5R,E)-5,6-dimethylhept-3-en-2-yl)-7a-methyloctahydro-4H-inden-4-ylidene)ethylidene)-4-methylenecyclohexan-1-ol	51744-66-2	NA	C28H44O	396.66
357	Erlotinib	Erlotinib N-Oxide		Impurity	AQ-TR-C-114	4-((3-ethynylphenyl)amino)-6,7-bis(2-methoxyethoxy)quinazoline 1-oxide	NA	NA	C22H23N3O5	409.44
358		6,7-bis(2-methoxyethoxy)quinazolin-4-amine		Impurity	AQ-TR-C-115	6,7-bis(2-methoxyethoxy)quinazolin-4-amine	1417161-98-8	LS00240	C14H19N3O4	293.32
359		2-((4-amino-7-(2-methoxyethoxy)quinazolin-6-yl)oxy)ethan-1-ol		Impurity	AQ-TR-C-126	2-((4-amino-7-(2-methoxyethoxy)quinazolin-6-yl)oxy)ethan-1-ol	1839513-98-2	NA	C13H17N3O4	279.3

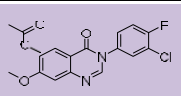
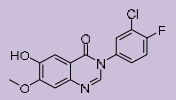
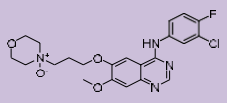
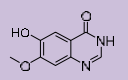
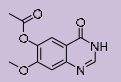
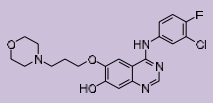
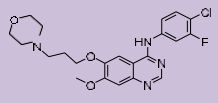
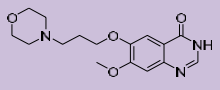
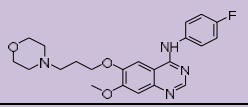
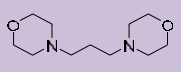
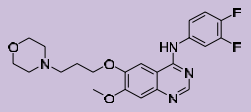
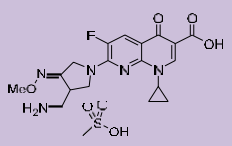
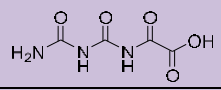
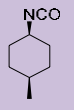
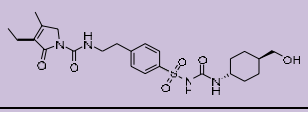
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
360	Erlotinib	Propyl 2-amino-4,5-bis(2-methoxy ethoxy)benzoate hydrochloride (ERL Propyl ester)		Impurity	AQ-TR-C-257	propyl 2-amino-4,5-bis(2-methoxyethoxy)benzoate hydrochloride	NA	Erlotinib Impurity-47	C16H26ClNO6 (HCl Salt) C16H25NO6 (Free base)	363.84 (HCl Salt) 327.38 (Free base)
361		Ethyl 3,4-bis(2-methoxyethoxy)-5-nitrobenzoate (m-ERL Nitro compound)		Impurity	AQ-TR-C-258	ethyl 3,4-bis(2-methoxyethoxy)-5-nitrobenzoate	NA	Erlotinib Impurity 33	C15H21NO8	343.33
362		Ethyl 3,4-bis(2-methoxyethoxy)-2-nitrobenzoate (o-ERL Nitro compound)		Impurity	AQ-TR-C-260	ethyl 3,4-bis(2-methoxyethoxy)-2-nitrobenzoate	NA	Erlotinib impurity-49	C15H21NO8	343.33
363		Ethyl 2-amino-3,4-bis(2-methoxy ethoxy)benzoate hydrochloride (o-ERL Ethyl ester)		Impurity	AQ-TR-C-261	ethyl 2-amino-3,4-bis(2-methoxyethoxy)benzoate hydrochloride	NA	Erlotinib Impurity 15	C15H24ClNO6 (HCl Salt) C15H23NO6 (Free base)	349.81 (HCl Salt) 313.35 (Free base)
364		7,8-bis(2-methoxyethoxy) quinazolin-4(3H)-one		Impurity	AQ-TR-C-574	7,8-bis(2-methoxyethoxy)quinazolin-4(3H)-one	NA	NA	C14H18N2O5	294.31
365		Ethyl 2-amino-4,5-bis(2-methoxyethoxy)benzoate hydrochloride		Impurity	AQ-TR-C-621	Ethyl 2-amino-4,5-bis(2-methoxyethoxy)benzoate hydrochloride	183322-17-0	NA	C15H24ClNO6 (HCl Salt); C15H23NO6 (Free base)	349.81 (HCl Salt); 313.35 (Free base)
366		Methyl 2-amino-4,5-bis(2-methoxyethoxy) benzoate hydrochloride		Impurity	AQ-TR-C-622	Methyl 2-amino-4,5-bis(2-methoxyethoxy) benzoate hydrochloride	476168-17-9 (Free base)	NA	C14H22ClNO6 (HCl Salt); C14H21NO6 (Free base)	335.78 (HCl Salt); 299.32 (Free base)
367		Desmethyl erlotinib acetate		impurity	AQ-TR-C-1063	2-{(4-{(3-ethynylphenyl)amino}-7-(2-methoxyethoxy)quinazolin-6-yl)oxy)ethyl acetate	183320-15-2	Erlotinib impurity-V	C23H23N3O5	421.45
368		(S)-4-amino-5-methoxy-5-oxopentanoic acid (Mono methyl ester)		impurity	AQ-TR-C-1143	(S)-4-amino-5-methoxy-5-oxopentanoic acid	6834-08.3	L-Glutamic Acid 1-methyl Ester	C6H11NO4	161.16
369		(S)-4-amino-5-ethoxy-5-oxopentanoic acid (Mono ethyl ester)		impurity	AQ-TR-C-1144	(S)-4-amino-5-ethoxy-5-oxopentanoic acid	52454-78-1	L-Glutamic Acid alpha ethyl ester; L-Glutamicacid, 1-ethyl ester	C7H13NO4	175.18
370	Erythromycin	Erythromycin N-Oxide		Impurity	AQ-TR-C-176	(2S,3R,4S,6R)-2-(((3R,4S,5S,6R,7R,9R,11R,12R,13S,14R)-14-ethyl-7,12,13-trihydroxy-4-(((2R,4R,5S,6S)-5-hydroxy-4-methoxy-4,6-dimethyltetrahydro-2H-pyran-2-yl)oxy)-3,5,7,9,11,13-hexamethyl-2,10-dioxooxacyclotetradecan-6-yl)oxy)-3-hydroxy-N,N,6-trimethyltetrahydro-2H-pyran-4-amine oxide	992-65-4	NA	C37H67NO14	749.94
371		Erythromycin Impurity E		Impurity	AQ-TR-C-575	(2R,3R,4S,5R,8R,9S,10S,11R,12R)-11-(((2S,3R,4S,6R)-4-(dimethylamino)-3-hydroxy-6-methyltetrahydro-2H-pyran-2-yl)oxy)-5-ethyl-3,4-dihydroxy-9-(((2R,4R,5S,6S)-5-hydroxy-4-methoxy-4,6-dimethyltetrahydro-2H-pyran-2-yl)oxy)-2,4,8,10,12,14-hexamethyl-6,15-dioxabicyclo[10.2.1]pentadec-1(14)-en-7-one	33396-29-1	BRL 46357ER; EM 201	C37H65NO12	715.92
372		Erythromycin Impurity F		Impurity	AQ-TR-C-576	(2R,3R,6R,7S,8S,9R,10R)-3-((2R,3R)-2,3-dihydroxypentan-2-yl)-9-(((2S,3R,4S,6R)-4-(dimethylamino)-3-hydroxy-6-methyltetrahydro-2H-pyran-2-yl)oxy)-7-(((2R,4R,5S,6S)-5-hydroxy-4-methoxy-4,6-dimethyltetrahydro-2H-pyran-2-yl)oxy)-2,6,8,10,12-pentamethyl-4,13-dioxabicyclo[8.2.1]tridec-1(12)-en-5-one	105882-69-7	EM 701; LY 267108; Pseudoerythromycin A enol ether	C37H65NO12	715.92
373	Ethacizine	Mono-Desethyl Ethacizine		impurity	AQ-TR-C-1013	ethyl (10-{3-(ethylamino)propanoyl}-10H-phenothiazin-2-yl)carbamate	122144-01-8		C20H23N3O3S	385.48
374	Ether derivatives	(((4-methylpent-1-yn-3-yl)oxy)methyl)benzene		Impurity	AQ-TR-C-529	(((4-methylpent-1-yn-3-yl)oxy)methyl)benzene	1352282-27-9	NA	C13H16O	188.27
375		1H-imidazole, 1-[(1R)-1-phenylethyl]-		Impurity	AQ-TR-C-759	(R)-1-(1-phenylethyl)-1H-imidazole	84465S-92-0	NA	C11H12N2	172.23
376		(R)-ethyl N-formyl-N-(1-phenylethyl) glycine		Impurity	AQ-TR-C-760	ethyl (R)-N-formyl-N-(1-phenylethyl)glycinate	66514-85-0	NA	C13H17NO3	235.28

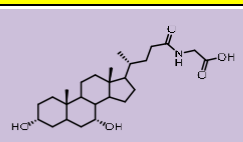
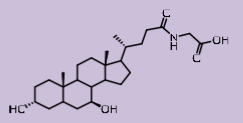
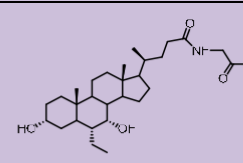
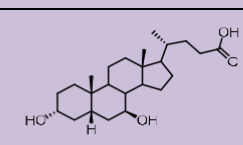
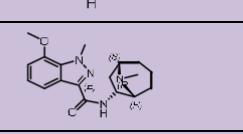
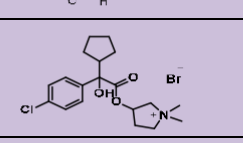
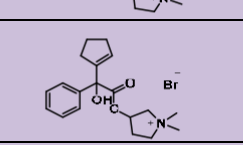
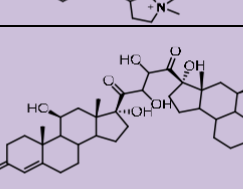
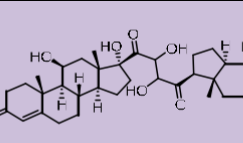
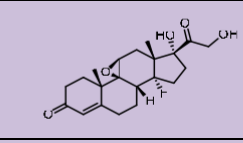
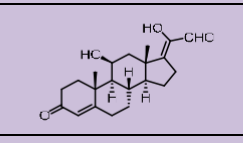
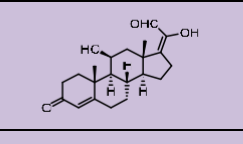
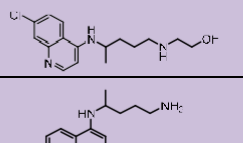
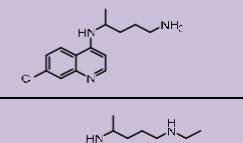
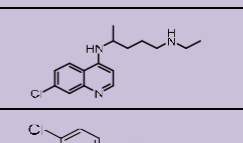
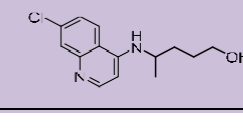
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
377	Etomidate	Ethyl (R)-[(1-Phenylethyl)amino] acetate		Impurity	AQ-TR-C-761	ethyl (R)-N-(1-phenylethyl)glycinate 66512-37-6	NA	C12H17NO2	207.27	
378		Ethyl (R)-3-(1-phenylethyl)-2-thioxo-23-dihydro-1H-imidazole-4-carboxylate		Impurity	AQ-TR-C-762	ethyl (R)-2-mercapto-1-(1-phenylethyl)-1H-imidazole-5-carboxylate	NA	2-Mercapto Etomidate; Etomidate EP Impurity D	C14H16N2O2S	276.35
379		Ethyl N-formyl-3-oxo-N-(1-phenylethyl)alaninate		Impurity	AQ-TR-C-763	ethyl 3-oxo-2-(N-(1-phenylethyl)formamido)propanoate	83763-26-2	NA	C14H17NO4	263.29
380	Etonogestrel	6β-Hydroperoxi Etanogestrel		Impurity	AQ-TR-C-036	(6R,8S,10R,13S,17R)-13-ethyl-17-ethynyl-6-hydroperoxy-17-hydroxy-11-methylene-1,2,6,7,8,9,10,11,12,13,14,15,16,17-tetradecahydro-3H-cyclopenta[a]phenanthren-3-one	NA	NA	C22H28O4	356.46
381	Ezetimibe	Ezetimibe Ketone		Impurity	AQ-TR-C-706	(3R,4S)-1-(4-fluorophenyl)-3-(3-(4-fluorophenyl)-3-oxopropyl)-4-(4-hydroxyphenyl)azetidin-2-one	934245-15-5	EZM-K	C24H19F2NO3	407.42
382	Favipiravir	3,6-dichloropyrazine-2 carbonitrile		impurity	AQ-TR-C-052	3,6-dichloropyrazine-2-carbonitrile 356783-16-9		2-Pyrazinecarbonitrile, 3,6-dichloro-	C5HCl2N3	173.98
383		3-hydroxypyrazine-2-carboxamide		impurity	AQ-TR-C-994	3-hydroxypyrazine-2-carboxamide NA			C5H5N3O2	139.11
384		6-bromo-3-hydroxypyrazine-2-carboxamide		impurity	AQ-TR-C-995	6-bromo-3-hydroxypyrazine-2-carboxamide	NA		C5H4BrN3O2	218.01
385		6-Chloro-3-hydroxypyrazine-2-carboxamide		impurity	AQ-TR-C-996	6-chloro-3-hydroxypyrazine-2-carboxamide	NA		C5H4ClN3O2	173.56
386		6-Chloropyrazine-2-carbonitrile		impurity	AQ-TR-C-012	6-chloropyrazine-2-carbonitrile 6863-74-7		C5H2ClN3	139.54	
387	Fingolimod	Fingolimod Impurity-1		Impurity	AQ-TR-C-263	2-acetamido-2-(4-octylphenethyl)propane-1,3-diyl diacetate	162358-09-0	NA	C25H39NO5	433.59
388		3-Phenethyl Fingolimod Impurity		Impurity	AQ-TR-C-087	2-amino-2-(4-octyl-3-(4-octylphenethyl)phenethyl)propane-1,3-diol	851039-24-2	NA	C35H57NO2	523.85
389		2-Phenethyl Fingolimod Impurity		Impurity	AQ-TR-C-088	2-amino-2-(4-octyl-2-(4-octylphenethyl)phenethyl)propane-1,3-diol	851039-25-3	NA	C35H57NO2	523.85
390		Fingolimod impurity-3		Impurity	AQ-TR-C-262	diethyl 2-acetamido-2-(4-octylphenethyl)malonate	162358-08-9	NA	C25H39NO5	433.59
391		Fingolimod Phosphate		Impurity	AQ-TR-C-709	2-amino-2-(hydroxymethyl)-4-(4-octylphenyl)butyl dihydrogen phosphate	402615-91-2	FTY 720 phosphate; FTY 720P; FTY-P; Fingolimod-P	C19H34NO5P	387.46
392	Flumazenil	Flumazenil EP Impurity-B		impurity	AQ-TR-C-1240	ethyl 8-hydroxy-5-methyl-6-oxo-5,6-dihydro-4H-benzo[f]imidazo[1,5-a][1,4]diazepine-3-carboxylate	131666-45-0	Desfluoro 8-hydroxy flumazenil; Flumazenil related compound-8; Ro 40-1518	C15H15N3O4	301.3
393	Fluconazole	Fluconazole Related Compound # 6, (FN RC6)		Impurity	AQ-TR-C-011	(E)-1,1'-(2-(2,4-difluorophenyl)prop-1-ene-1,3-diyl)bis(1H-1,2,4-triazole)	163921-61-7	NA	C13H10F2N6	288.26
394		Fluconazole Related Compound # 4 (FN RC4)		Impurity	AQ-TR-C-012	(Z)-1,1'-(2-(2,4-difluorophenyl)prop-1-ene-1,3-diyl)bis(1H-1,2,4-triazole)	163921-62-8	NA	C13H10F2N6	288.26

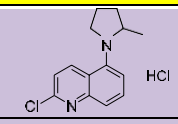
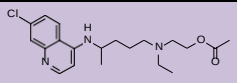
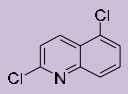
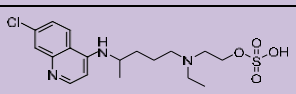
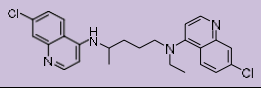
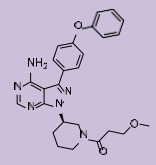
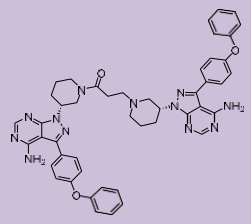
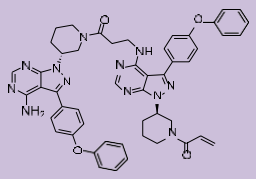
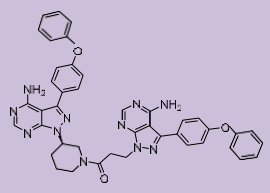
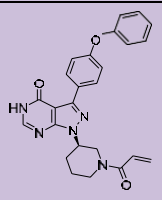
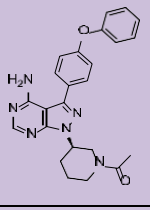
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
395	Fluocinolone	Fluocinolone Acetonide Impurity 4		impurity	AQ-TR-C-1180	(2S,6aS,6bR,7S,8aS,8bS,11aR,12aS,12bS)-2,6b-difluoro-7-hydroxy-6a,8a,10,10-tetramethyl-1,2,6a,6b,7,8,8a,8b,11a,12,12a,12b-dodecahydro-4H-naphtho[2',1':4,5]indeno[1,2-d][1,3]dioxol-4-one	389119-98-6	NA	C22H28F2O4	394.46
396	Fluphenazine	1,3-bis(2-(trifluoromethyl)-10H-phenothiazin-10-yl)propane		Impurity	AQ-TR-C-231	1,3-bis(2-(trifluoromethyl)-10H-phenothiazin-10-yl)propane	939382-28-2	NA	C29H20F6N2S2	574.6
397		10-(3-bromopropyl)-2-(trifluoromethyl)-10H-phenothiazine		Impurity	AQ-TR-C-232	10-(3-bromopropyl)-2-(trifluoromethyl)-10H-phenothiazine	1675-43-0	NA	C16H13BrF3NS	388.25
398		Fluphenazine EP Impurity-A		Impurity	AQ-TR-C-098	10-[3-(4-(2-hydroxyethyl)piperazin-1-yl)propyl]-2-(trifluoromethyl)-10H-phenothiazine 5-oxide	1674-76-6	Fluphenazine sulfoxide	C22H26F3N3O2S	453.52
399		Fluphenazine Impurity B		Impurity	AQ-TR-C-099	10-[3-(4-(2-hydroxyethyl)piperazin-1-yl)propyl]-2-(trifluoromethyl)-10H-phenothiazine 5,5-dioxide	1476-79-5	NA	C22H26F3N3O3S	469.52
400		Fluphenazine Impurity D		Impurity	AQ-TR-C-100	1,4-bis[3-(2-(trifluoromethyl)-10H-phenothiazin-10-yl)propyl]piperazine	2376-89-8	NA	C36H34F6N4S2	700.81
401		7-Bromo fluphenazine		Impurity	AQ-TR-C-183	2-{4-[3-(7-bromo-2-(trifluoromethyl)-10H-phenothiazin-10-yl)propyl]piperazin-1-yl}ethan-1-ol	NA	NA	C22H25BrF3N3OS	516.42
402		7-Hydroxy Fluphenazine		Impurity	AQ-TR-C-184	10-[3-(4-(2-hydroxyethyl)piperazin-1-yl)propyl]-8-(trifluoromethyl)-10H-phenothiazin-3-ol	33098-48-5	SQ 11426	C22H26F3N3O2S	453.52
403		Fluphenazine Impurity C		Impurity	AQ-TR-C-101	2-{4-[3-(2',8-bis(trifluoromethyl)-10H-[3,10'-biphenothiazin]-10-yl)propyl]piperazin-1-yl}ethan-1-ol	NA	NA	C35H32F6N4OS2	702.78
404		Fluphenazine Impurity E		Impurity	AQ-TR-C-245	2-{4-[3-(2-chloro-10H-phenothiazin-10-yl)propyl]piperazin-1-yl}ethan-1-ol	58-39-9	NSC 150866; Sch 3940	C21H26ClN3OS	403.97
405		Fluphenazine Palmitate / Fluphenazine Impurity 1		Impurity	AQ-TR-C-353	2-{4-[3-(2-(trifluoromethyl)-10H-phenothiazin-10-yl)propyl]piperazin-1-yl}ethyl palmitate	85137-32-2	Fluphenazine palmitate	C38H56F3N3O2S	675.94
406		Fluphenazine Stearate / Fluphenazine Impurity 2		Impurity	AQ-TR-C-354	2-{4-[3-(2-(trifluoromethyl)-10H-phenothiazin-10-yl)propyl]piperazin-1-yl}ethyl stearate	2285-19-0	Fluphenazine stearate	C40H60F3N3O2S	703.99
407	Flurbiprofen	(R) - Flurbiprofen		Impurity	AQ-TR-C-793	[1,1'-Biphenyl]-4-acetic acid, 2-fluoro-α-methyl-, (αR)-	51543-40-9	(-)-Flurbiprofen; R-(-)-Flurbiprofen; E 7869; Flurizan; MPC 7869; Tarenflurbil	C15H13FO2	244.27
408		(S) - Flurbiprofen		Impurity	AQ-TR-C-794	[1,1'-Biphenyl]-4-acetic acid, 2-fluoro-α-methyl-, (αS)-	51543-39-6	(+)-Flurbiprofen; S-(+)-Flurbiprofen; Dexflurbiprofen; Esflurbiprofen	C15H13FO2	244.27
409		Fluvoxamine acid N-Acetyl Impurity		Impurity	AQ-TR-C-901	(E)-5-({2-acetamidoethoxy}imino)-5-(4-(trifluoromethyl)phenyl)pentanoic acid	88699-87-0	NA	C16H19F3N2O4	360.33

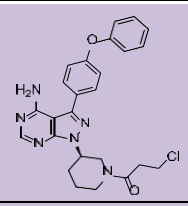
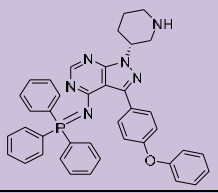
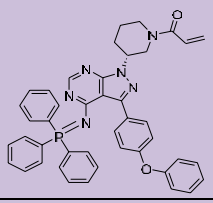
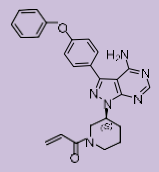
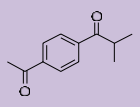
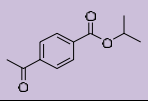
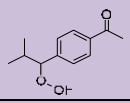
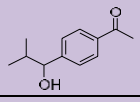
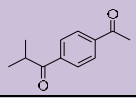
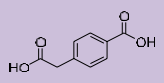
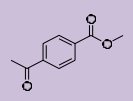
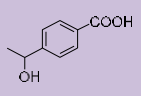
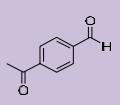
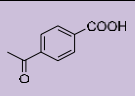
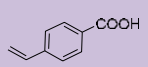
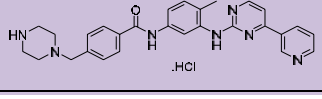
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
410	Fluvoxamine	Fluvoxketone		Impurity	AQ-TR-C-902	5-methoxy-1-(4-(trifluoromethyl)phenyl)pentan-1-one	61718-80-7	Fluvoxamine EP impurity D	C13H15F3O2	260.26
411		Fluvoxethanol		impurity	AQ-TR-C-972	(E)-5-methoxy-1-(4-(trifluoromethyl)phenyl)pentan-1-one O-(2-hydroxyethyl) oxime	88699-85-8	NA	C15H20F3NO3	319.32
412		Fluvoxamine EP impurity I		impurity	AQ-TR-C-1064	(E)-5-methoxy-1-(4-(trifluoromethyl)phenyl)pentan-1-one oxime	88699-84-7	NA	C13H16F3NO2	275.27
413	Formoterol	Formoterol (mixture of Diastereomers)		Impurity	AQ-TR-C-890	N-(2-hydroxy-5-(1-hydroxy-2-((1-(4-methoxyphenyl)propan-2-yl)amino)ethyl)phenyl)formamide	128954-45-0	NA	C19H24N2O4	344.4
414		Formoterol EP impurity A (Mixture of Diastereomers)		Impurity	AQ-TR-C-891	2-amino-4-(1-hydroxy-2-((1-(4-methoxyphenyl)propan-2-yl)amino)ethyl)phenol	652994-19-9	NA	C18H24N2O3	316.39
415		Formoterol EP impurity C (Mixture of Diastereomers)		Impurity	AQ-TR-C-892	N-(2-hydroxy-5-(1-hydroxy-2-((1-(4-methoxyphenyl)propan-2-yl)amino)ethyl)phenyl)acetamide	1795135-61-3	N-Deformyl-N-acetyl Formoterol	C20H26N2O4	358.43
416		Formoterol Related Compound I		Impurity	AQ-TR-C-530	N-(2-hydroxy-5-((R)-1-hydroxy-2-(((S)-1-(4-methoxyphenyl)propan-2-yl)amino)ethyl)phenyl)formamide	67346-51-4	NA	C19H24N2O4	344.41
417		Formoterol EP impurity D (Mixture of Diastereomers)		impurity	AQ-TR-C-1029	N-(2-hydroxy-5-(1-hydroxy-2-((1-(4-methoxyphenyl)propan-2-yl)(methyl)amino)ethyl)phenyl)acetamide	NA	N-Methyl Formoterol Fumarate (Mixture of Diastereomers)	C20H26N2O4	358.43
418		rac-O-Benzyl N-Benzyl Formoterol		impurity	AQ-TR-C-1031	N-(5-(2-(benzyl(1-(4-methoxyphenyl)propan-2-yl)amino)-1-hydroxyethyl)-2-(benzyloxy)phenyl)formamide	43229-70-5	N,O-Dibenzylated formoterol	C33H36N2O4	524.65
419		N-Benzyl Formoterol		impurity	AQ-TR-C-1030	N-(5-((R*)-2-(benzyl((R*)-1-(4-methoxyphenyl)propan-2-yl)amino)-1-hydroxyethyl)-2-hydroxyphenyl)formamide-rel-	1337876-26-2	Formoterol EP Impurity H; Formoterol Related Compound H	C26H30N2O4	434.53
420		AC Nitro compound		impurity	AQ-TR-C-1054	(1R)-1-(4-(benzyloxy)-3-nitrophenyl)-2-(((R)-1-(4-methoxyphenyl)propan-2-yl)(1-phenylethyl)amino)ethan-1-ol	NA	NA	C33H36N2O5	540.65
421		AC-Amino compound		impurity	AQ-TR-C-1055	(1R)-1-(3-amino-4-(benzyloxy) phenyl)-2-(((R)-1-(4-methoxyphenyl) propan-2-yl) (1-phenylethyl) amino) ethan-1-ol	NA	Formoterol impurity; Arformoterol impurity	C33H38N2O3	510.68
422		AC-Formyl compound		impurity	AQ-TR-C-1056	N-(2-(benzyloxy)-5-((1R)-1-hydroxy-2-(((R)-1-(4-methoxyphenyl) propan-2-yl) (1-phenylethyl) amino) ethyl) phenyl) formamide	NA	Formoterol impurity; Arformoterol impurity	C34H38N2O4	538.69
423		Formoterol related compound E (Mixture of Diastereomers)		impurity	AQ-TR-C-1057	N-(2-hydroxy-5-(1-hydroxy-2-((1-(4-methoxyphenyl)propan-2-yl)(methyl)amino)ethyl)phenyl)acetamide	1616967-26-0	Formoterol EP impurity E; 3-Methyl Formoterol	C20H26N2O4	358.44
424		N-(2-(benzyloxy)-5-(1-hydroxyethyl)phenyl)formamide		impurity	AQ-TR-C-1058	N-(2-(benzyloxy)-5-(1-hydroxyethyl)phenyl)formamide	NA	Arformoterol impurity; Formoterol impurity	C16H17NO3	271.32
425		N-(2-(benzyloxy)-5-ethylphenyl)formamide		impurity	AQ-TR-C-1059	N-(2-(benzyloxy)-5-ethylphenyl)formamide	NA	Arformoterol impurity; Formoterol impurity	C16H17NO2	255.32
426		R (+) Diphenyl amine dimer impurity		impurity	AQ-TR-C-1060	(R)-bis((R)-1-phenylethyl)amine hydrochloride	NA	Arformoterol impurity; Formoterol impurity	C16H19N (Free base) C16H20ClN (HCl Salt)	225.34 (Free base) 261.79 (HCl Salt)
427		Formoterol impurity-1		impurity	AQ-TR-C-1117	N-(2-hydroxy-5-(1-hydroxy-2-((1-(4-methoxyphenyl)propan-2-yl)amino)ethyl)phenyl)-N-methylformamide	NA	NA	C20H26N2O4	358.44

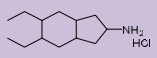
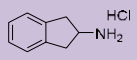
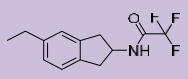
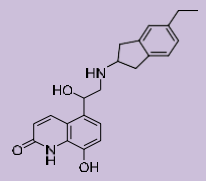
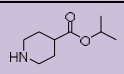
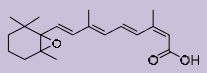
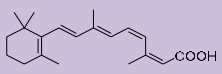
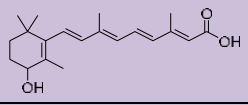
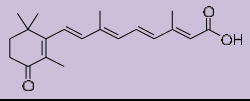
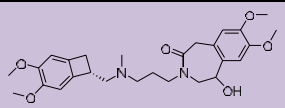
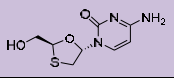
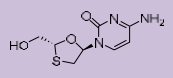
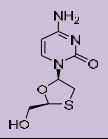
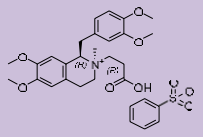
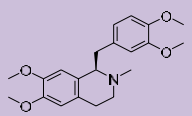
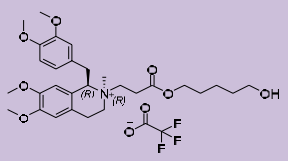
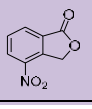
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
428		O-DE BENZYL AC-AMINO COMPOUND		impurity	AQ-TR-C-1089	2-amino-4-((1R)-1-hydroxy-2-(((R)-1-(4-methoxyphenyl)propan-2-yl)(1-phenylethyl)amino)ethyl)phenol	NA	NA	C26H32N2O3	420.55
429		Formoterol impurity-2		impurity	AQ-TR-C-1118	N-(2-hydroxy-5-(1-hydroxyethyl)phenyl)formamide	NA	NA	C9H11NO3	181.19
430		Formoterol EP impurity B		impurity	AQ-TR-C-1177	N-(2-hydroxy-5-(1-hydroxy-2-((4-methoxyphenethyl)amino)ethyl)phenyl)formamide	1224588-66-2	Formoterol Fumarate RC B; USP Formoterol related compound B; Formoterol fumarate EP impurity B; Formoterol fumarate related compound B	C18H22N2O4	330.38
431		Formoterol impurity 3		impurity	AQ-TR-C-1217	6-amino-2-(1-(4-methoxyphenyl)propan-2-yl)-1,2,3,4-tetrahydroisoquinoline-4,7-diol	NA	Arformoterol cyclic impurity	C19H24N2O3	328.41
432		Formoterol desphenolic hydroxy impurity		impurity	AQ-TR-C-1222	N-(3-(1-hydroxy-2-((1-(4-methoxyphenyl)propan-2-yl)amino)ethyl)phenyl)formamide	NA	Formoterol Impurity	C19H24N2O3	328.41
433		Formoterol EP Impurity-G		impurity	AQ-TR-C-1222	1-(4-methoxyphenyl)propan-2-amine 64-13-1		Formoterol Fumarate RC G; USP Formoterol related compound G; Formoterol fumarate EP impurity G; Formoterol fumarate related compound G; NSC	C10H15NO	165.24
434		Fosfomycin Impurity 0.64 RRT		Impurity	AQ-TR-C-869	(2-(((2-(2-amino-3-hydroxy-2-(hydroxymethyl)propoxy)-1-hydroxypropyl)(hydroxy) phosphory)oxy)-1-hydroxypropyl)phosphonic acid	1262243-12-8	NA	C10H25NO11P2	397.25
435	Fosfomycin	Fosfomycin Impurity 0.75 RRT		Impurity	AQ-TR-C-870	(2-(((2-(2-amino-3-hydroxy-2-(hydroxymethyl) propoxy)-1-hydroxypropyl) (hydroxy) phosphory)oxy)-1-hydroxypropyl)phosphonic acid	1262243-12-8	NA	C10H25NO11P2	397.25
436		Fosfomycin Tromethamine Adduct		Impurity	AQ-TR-C-871	(2-(2-amino-3-hydroxy-2-(hydroxymethyl)propoxy)-1-hydroxypropyl)phosphonic acid	1262243-11-7	Fosfomycin EP impurity B	C7H18NO7P	259.19
437		1-(R)-Hydroxy Frovatriptan		Impurity	AQ-TR-C-067	(1R,3S)-1-hydroxy-3-(methylamino)-2,3,4,9-tetrahydro-1H-carbazole-6-carboxamide	NA	Frovatriptan Impurity 1	C14H17N3O2	259.31
438	Frovatriptan	1-(S)-Hydroxy Frovatriptan		Impurity	AQ-TR-C-068	(1S,3S)-1-hydroxy-3-(methylamino)-2,3,4,9-tetrahydro-1H-carbazole-6-carboxamide	NA	Frovatriptan Impurity 2	C14H17N3O2	259.31
439	Fulvestrant	AN04035		Impurity	AQ-TR-C-611	(((7R,8R,9S,13S,14S,17S)-17-hydroxy-13-methyl-7-(9-((4,4,5,5,5-pentafluoropentyl)sulfinyl)nonyl)-7,8,9,11,12,13,14,15,16,17-decahydro-6H-cyclopenta[a]phenanthren-3-yl)oxy)methyl dihydrogen phosphate	NA	NA	C33H50F5O7PS	716.78
440		Ganciclovir Divalinate		impurity	AQ-TR-C-1086	2-((2-amino-6-oxo-3,6-dihydro-9H-purin-9-yl)methoxy)propane-1,3-diyl (2S,2'S)-bis(2-amino-3-methylbutanoate) ,trifluoroacetic acid(1:1)	NA	Ganciclovir Bisvaline Ester.DiTFA	C21H32F3N7O8 (TFA Salt) C19H31N7O6 (Freebase)	567.52 (TFA Salt) 453.50 (Freebase)
441	Ganciclovir	Ganciclovir Mono N-Methyl Valinate (Mixture of Diastereomers)		impurity	AQ-TR-C-1087	2-((2-amino-6-oxo-3,6-dihydro-9H-purin-9-yl)methoxy)-3-hydroxypropyl methyl-L-valinate ,Trifluoroacetic acid(1:1)	NA	Ganciclovir Impurity 1 TFA (Mixture of Diastereomers)	C17H25F3N6O7 (TFA Salt) C15H24N6O5 (Freebase)	482.42 (TFA Salt) 368.39 (Freebase)
442		Ganciclovir dimer		impurity	AQ-TR-C-1104	2,2'-(methylenebis(azanediyl))bis(9-(((1,3-dihydroxypropan-2-yl)oxy)methyl)-1,9-dihydro-6H-purin-6-one)	Na	Ganciclovir dimer	C19H26N10O8	522.48
443		Ganciclovir related compound A		impurity	AQ-TR-C-1291	2-amino-9-((2,3-dihydroxypropoxy)methyl)-1,9-dihydro-6H-purin-6-one hydrochloride	86357-09-7 (free base)	Iso Ganciclovir; Ganciclovir EP Impurity E	C9H14ClN5O4 (HClSalt) C9H13N5O4 (Free Amine)	291.69 (HCl Salt) 255.23 (Free Amine)
444		Gefitinib Impurity 9		Impurity	AQ-TR-C-308	3-(3-chloro-4-fluorophenyl)-7-methoxy-6-(3-morpholinopropoxy)quinazolin-4(3H)-one	1608115-59-8	NA	C22H23ClFN3O4	447.89

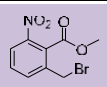
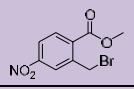
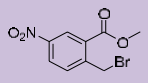
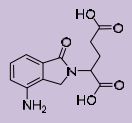
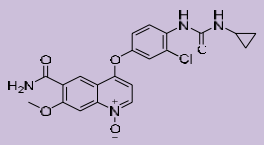
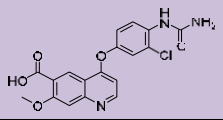
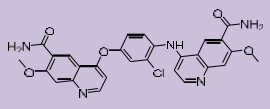
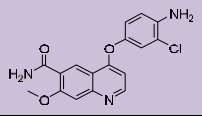
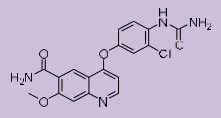
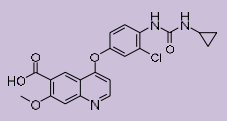
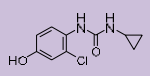
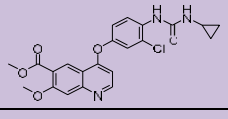
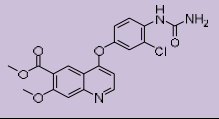
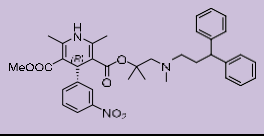
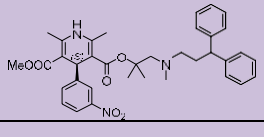
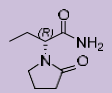
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
445	Gefitinib	Gefitinib Impurity 8		Impurity	AQ-TR-C-309	3-(3-chloro-4-fluorophenyl)-7-methoxy-4-oxo-3,4-dihydroquinazolin-6-yl acetate	NA	NA	C17H12ClFN2O4	362.74
446		4-(3-bromopropyl)morpholine hydrochloride		Impurity	AQ-TR-C-310	4-(3-bromopropyl)morpholine hydrochloride	134187-43-2	NA	C7H15BrClNO (HCl Salt) C7H14BrNO (Free bas)	244.56 (HCl Salt) 208.10 (Free base)
447		3-(3-chloro-4-fluorophenyl)-6-hydroxy-7-methoxyquinazolin-4(3H)-one		Impurity	AQ-TR-C-355	3-(3-chloro-4-fluorophenyl)-6-hydroxy-7-methoxyquinazolin-4(3H)-one	NA	Gefitinib Impurity	C15H10ClFN2O3	320.7
448		Gefitinib Morpholine N-oxide		Impurity	AQ-TR-C-356	4-(3-((4-((3-chloro-4-fluorophenyl)amino) 7-methoxyquinazolin-6-yl)oxy)propyl)morpholine 4-oxide	847949-51-3	NA	C22H24ClFN4O4	462.91
449		Gefitinib impurity 4		Impurity	AQ-TR-C-357	6-hydroxy-7-methoxyquinazolin-4(3H)-one	179688-52-9	Gefitinib impurity 4	C9H8N2O3	192.17
450		Gefitinib impurity VII		Impurity	AQ-TR-C-358	7-methoxy-4-oxo-3,4-dihydroquinazolin-6-yl acetate	179688-53-0	Gefitinib impurity VII	C11H10N2O4	234.21
451		O-Desmethyl Gefitinib		Impurity	AQ-TR-C-359	4-((3-chloro-4-fluorophenyl)amino)-6-(3-morpholinopropoxy)quinazolin-7-ol	847949-49-9	M523595	C21H22ClFN4O3	432.88
452		Gefitinib EP Impurity B		Impurity	AQ-TR-C-381	N-(4-chloro-3-fluorophenyl)-7-methoxy-6-(3-morpholinopropoxy)quinazolin-4-amine	NA	NA	C22H24ClFN4O3	446.91
453		7-methoxy-6-(3-morpholinopropoxy) quinazolin-4(3H)-one		Impurity	AQ-TR-C-577	7-methoxy-6-(3-morpholinopropoxy)quinazolin-4(3H)-one	199327-61-2	Gefitinib Impurity	C16H21N3O4	319.36
454		Gefitinib Impurity 13		Impurity	AQ-TR-C-578	N-(4-fluorophenyl)-7-methoxy-6-(3-morpholinopropoxy)quinazolin-4-amine	2254241-82-0	Gefitinib Impurity	C22H25FN4O3	412.47
455		1,3-Dimorpholinopropane / 4,4'-(propane-1,3-diyl)bismorpholine (Gefitinib)		impurity	AQ-TR-C-1147	1,3-dimorpholinopropane	48152-09-6	NA	C11H22N2O2	214.31
456		Gefitinib 3,4-Difluoro Impurity		impurity	AQ-TR-C-1161	N-(3,4-difluorophenyl)-7-methoxy-6-(3-morpholinopropoxy)quinazolin-4-amine	184475-50-1	Gefitinib Impurity, 3,4-Difluoro Gefitinib	C22H24F2N4O3	430.46
457	Gemifloxacin	Gemifloxacin-E-isomer		impurity	AQ-TR-C-1226	(E)-7-(3-(aminomethyl)-4-(methoxyimino)pyrrolidin-1-yl)-1-cyclopropyl-6-fluoro-4-oxo-1,4-dihydro-1,8-naphthyridine-3-carboxylic acid methanesulfonic acid	210353-53-0	Factive; Floxguard; Gemifloxacin mesylate; LB 20304a; SB 265805S		
458	Gimeracil	Gimeracil Impurity 16		impurity	AQ-TR-C-1236	5-chloro-2,4-dihydroxypyridine 1-oxide	NA	Gimeracil N-Oxide	C5H4ClNO3	162
459		5-Chloro-4-methoxy-2(1H)-pyridinone / Gimeracil Impurity 7		impurity	AQ-TR-C-1237	5-chloro-4-methoxypyridin-2(1H)-one	1227600-22-7	Gimeracil Impurity 7	C6H6ClNO2	159.57
460		Gimeracil Impurity 3		impurity	AQ-TR-C-1065	2-(2-(carbamoylcarbamoyl)hydrazineylidene)-2-oxoacetic acid	NA	NA	C4H5N3O5	175.1
461	Glimepiride	Cis Isomer of MCI-Glimepiride		Impurity	AQ-TR-C-757	(1s,4s)-1-isocyanato-4-methylcyclohexane	NA	NA	C8H13NO	139.2
462		Trans-hydroxy Glimepiride		impurity	AQ-TR-C-1199	3-ethyl-N-(4-(N-(((1r,4r)-4-(hydroxymethyl)cyclohexyl)carbamoyl)sulfamoyl)phenethyl)-4-methyl-2-oxo-2,5-dihydro-1H-pyrrole-1-carboxamide	600177-94-4	NA	C24H34N4O6S	506.62

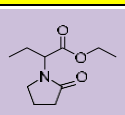
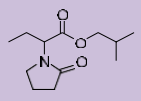
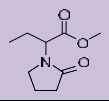
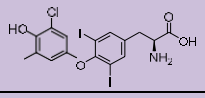
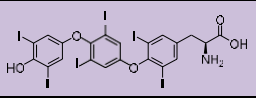
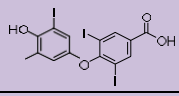
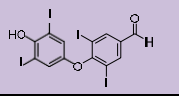
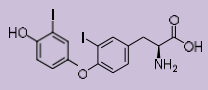
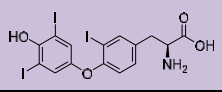
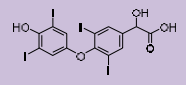
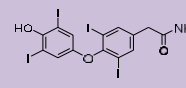
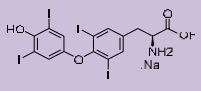
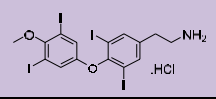
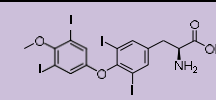
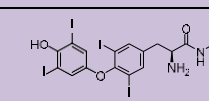
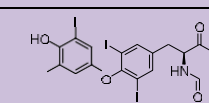
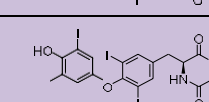
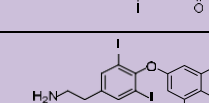
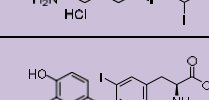
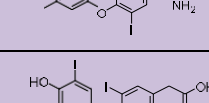
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
463	Glycocholic acid	Glycochenodeoxy cholic acid		Impurity	AQ-TR-C-340	((4R)-4-((3R,7R,10S,13R)-3,7-dihydroxy-10,13-dimethylhexadecahydro-1H-cyclopenta[a]phenanthren-17-yl)pentanoyl)glycine	640-79-9	NA	C26H43NO5	449.63
464		Glycoursodeoxy cholic acid		Impurity	AQ-TR-C-341	((4R)-4-((3R,7S,10S,13R)-3,7-dihydroxy-10,13-dimethylhexadecahydro-1H-cyclopenta[a]phenanthren-17-yl)pentanoyl)glycine	64480-66-6	NA	C26H43NO5	449.63
465		Glycine 6-ethylchenodeoxy cholate Impurity		impurity	AQ-TR-C-1148	((4S)-4-((3R,6R,7R,10S,13R)-6-ethyl-3,7-dihydroxy-10,13-dimethylhexadecahydro 1H-cyclopenta[a]phenanthren-17-yl)pentanoyl)glycine	NA	Glyco Obeticholic acid	C28H47NO5	477.69
466		Ursochenodiol Impurity		impurity	AQ-TR-C-1179	(4R)-4-((3R,5S,7S,10S,13R)-3,7-dihydroxy-10,13-dimethylhexadecahydro-1H-cyclopenta[a]phenanthren-17-yl)pentanoic acid	NA	NA	C24H40O4	392.58
467	Granisetron	7-Methoxy Granisetran		Impurity	AQ-TR-C-066	7-methoxy-1-methyl-N-((1S,5R,6R)-8-methyl-8-azabicyclo[3.2.1]octan-6-yl)-1H-indazole-3-carboxamide	NA	NA	C18H24N4O2	328.42
468	Glycopyrronium	Chloro Glycopyrronium Bromide (Imp-I)		Impurity	AQ-TR-C-680	3-(2-(4-chlorophenyl)-2-cyclopentyl-2-hydroxyacetoxy)-1,1-dimethylpyrrolidin-1-ium bromide	1404453-68-4	Glycopyrronium Bromide Impurity I, Glycopyrronium EP Impurity I	C19H27BrClNO3 (Salt) C19H27ClNO3 (Free base)	432.78 (Salt) 352.88 (Free base)
469		Dehydro Glycopyrronium Bromide		Impurity	AQ-TR-C-681	3-(2-(cyclopent-1-en-1-yl)-2-hydroxy-2-phenylacetoxy)-1,1-dimethylpyrrolidin-1-ium bromide	NA	NA	C19H26BrNO3 (Salt) C19H26NO3 (Free base)	396.32 (Salt) 316.42 (Free base)
470	Hydrocortisone	Hydrocortisone EP Imp-N (Symmetrical dimer)		impurity	AQ-TR-C-1032	1-((10R,11S,13S,17R)-11,17-dihydroxy-10,13-dimethyl-3-oxo-2,3,6,7,8,9,10,11,12,13,14,15,16,17-tetradecahydro-1H-cyclopenta[a]phenanthren-17-yl)-4-((10S,11R,13R,17S)-11,17-dihydroxy-10,13-dimethyl-3-oxo-2,3,6,7,8,9,10,11,12,13,14,15,16,17-tetradecahydro-1H-cyclopenta[a]phenanthren-17-yl)-2,3-dihydroxybutane-1,4-dione	NA	Hydrocortisone symmetrical dimer impurity	C42H58O10	722.92
471		Hydrocortisone Un-symmetrical dimer		impurity	AQ-TR-C-1066	1-((8S,9S,10R,11S,13S,14S,17R)-11,17-dihydroxy-10,13-dimethyl-3-oxo-2,3,6,7,8,9,10,11,12,13,14,15,16,17-tetradecahydro-1H-cyclopenta[a]phenanthren-17-yl)-2,3-dihydroxy-4-((8S,9S,10R,11S,13S,14S,17S)-11-hydroxy-10,13-dimethyl-3-oxo-2,3,6,7,8,9,10,11,12,13,14,15,16,17-tetradecahydro-1H-cyclopenta[a]phenanthren-17-yl)butane-1,4-dione	NA	NA	C42H58O9	706.92
472		Hydrocortisone (9B, 11B - Epoxide)		impurity	AQ-TR-C-1123	(4aS,4bS,5aS,7R,9aS,9bS)-7-hydroxy-7-(2-hydroxyacetyl)-4a,6a-dimethyl-4,4a,5a,6,6a,7,8,9,9a,9b,10,11-dodecahydrocyclopenta[1,2]phenanthro[4,4a-b]oxiren-2(3H)-one	10072-97-6	NA	C21H28O5	360.45
473		Hydrocortisone Z-enol aldehyde		impurity	AQ-TR-C-1276	(Z)-2-hydroxy-2-((8S,9S,10R,11S,13S,14S)-11-hydroxy-10,13-dimethyl-3-oxo-1,2,3,6,7,8,9,10,11,12,13,14,15,16-tetradecahydro-17H-cyclopenta[a]phenanthren-17-ylidene)acetaldehyde	105562-13-8	Hydrocortisone Impurity C; Cortisol Impurity 2	C21H28O4	344.45
474		Hydrocortisone E-enol aldehyde		impurity	AQ-TR-C-1277	(E)-2-hydroxy-2-((8S,9S,10R,11S,13S,14S)-11-hydroxy-10,13-dimethyl-3-oxo-1,2,3,6,7,8,9,10,11,12,13,14,15,16-tetradecahydro-17H-cyclopenta[a]phenanthren-17-ylidene)acetaldehyde	105562-12-7	Hydrocortisone Impurity B; Cortisol Impurity 1	C21H28O4	344.45
475		Desethyl Hydroxychloroquine (DHCQ)		Impurity	AQ-TR-C-018	2-((4-((7-chloroquinolin-4-yl)amino)pentyl)amino)ethan-1-ol	4298-15-1	NA	C16H22ClN3O	307.82
476		Bis-Desethyl chlorquine		Impurity	AQ-TR-C-069	N4-(7-chloroquinolin-4-yl)pentane-1,4-diamine	4298-14-0	NA	C14H18ClN3	263.77
477		Des ethyl chloroquine		Impurity	AQ-TR-C-070	N4-(7-chloroquinolin-4-yl)-N1-ethylpentane-1,4-diamine	1476-52-4	NA	C16H22ClN3	291.82
478		Hydroxychloroquine Impurity-E		Impurity	AQ-TR-C-903	4-((7-chloroquinolin-4-yl)amino)pentan-1-ol	10500-64-8	Hydroxychloroquine EP impurity E	C14H17ClN2O	264.75

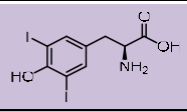
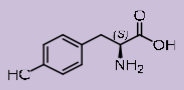
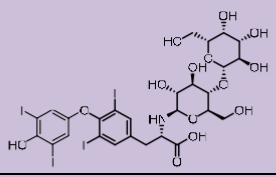
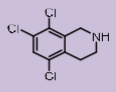
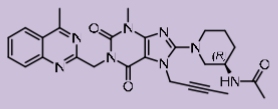
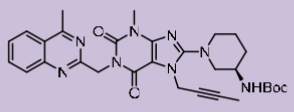
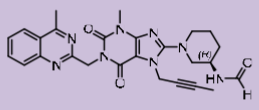
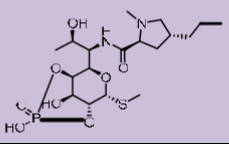
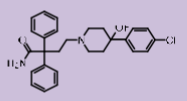
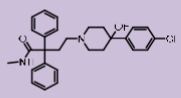
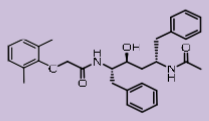
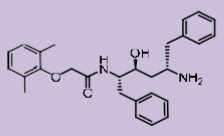
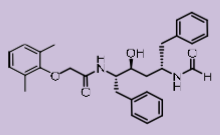
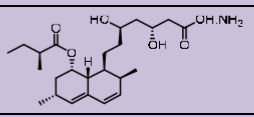
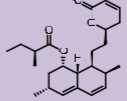
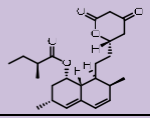
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
479	Hydroxychloroquine	Hydroxychloroquine Impurity-F		Impurity	AQ-TR-C-904	2-chloro-5-(2-methylpyrrolidin-1-yl)quinoline hydrochloride	6281-58-9 (Freebase)	NA	C14H15ClN2 (Free base) C14H16Cl2N2 (Salt)	246.74(Free base) 289.19 (Salt)
480		Hydroxychloroquine Impurity-4		impurity	AQ-TR-C-1033	2-((4-((7-chloroquinolin-4-yl)amino)pentyl)(ethyl)amino)ethyl acetate	47493-14-1	NA	C20H28ClN3O2	377.91
481		Hydroxychloroquine Impurity-G		Impurity	AQ-TR-C-905	4,7-dichloroquinoline	59412-12-3	NA	C9H5Cl2N	198.05
482		Hydroxychloroquine Sulfate EP Impurity B		impurity	AQ-TR-C-1068	2-((4-((7-chloroquinolin-4-yl)amino)pentyl)(ethyl)amino)ethyl hydrogen sulphate	103152-84-7	NA	C18H26ClN3O4S	415.93
483		Hydroxychloroquine Impurity-1		impurity	AQ-TR-C-1091	N1,N4-bis(7-chloroquinolin-4-yl)-N1-ethylpentane-1,4-diamine	NA	NA	C25H26Cl2N4	453.41
484	Ibrutinib	Ibrutinib methoxy impurity		Impurity	AQ-TR-C-360	(R)-1-(3-(4-amino-3-(4-phenoxyphenyl)-1H-pyrazolo[3,4-d]pyrimidin-1-yl)piperidin-1-yl)-3-methoxypropan-1-one	2031255-26-0	Ibrutinib Impurity 15	C26H28N6O3	472.55
485		IBR Diamine Impurity		Impurity	AQ-TR-C-512	1,3-bis((R)-3-(4-amino-3-(4-phenoxyphenyl)-1H-pyrazolo[3,4-d]pyrimidin-1-yl)piperidin-1-yl)propan-1-one	1987905-93-0	Ibrutinib Impurity-6	C47H46N12O3	826.97
486		IBR DimerIMPURITY-1		Impurity	AQ-TR-C-519	1-((R)-3-(4-((3-((R)-3-(4-amino-3-(4-phenoxyphenyl)-1H-pyrazolo[3,4-d]pyrimidin-1-yl)piperidin-1-yl)-3-oxopropyl)amino)-3-(4-phenoxyphenyl)-1H-pyrazolo[3,4-d]pyrimidin-1-yl)piperidin-1-yl)prop-2-en-1-one	2031255-23-7	NA	C50H48N12O4	881.01
487		IBR Dimer Impurity-3		Impurity	AQ-TR-C-531	(R)-3-(4-amino-3-(4-phenoxyphenyl)-1H-pyrazolo[3,4-d]pyrimidin-1-yl)-1-(3-(4-amino-3-(4-phenoxyphenyl)-1H-pyrazolo[3,4-d]pyrimidin-1-yl)piperidin-1-yl)propan-1-one	NA	NA	C42H37N11O3	743.83
488		(R)-1-(1-acryloylpiperidin-3-yl)-3-(4-phenoxyphenyl)-1,5-dihydro-4H-pyrazolo[3,4-d]pyrimidin-4-one		Impurity	AQ-TR-C-609	(R)-1-(1-acryloylpiperidin-3-yl)-3-(4-phenoxyphenyl)-1,5-dihydro-4H-pyrazolo[3,4-d]pyrimidin-4-one	2031255-24-8	NA	C25H23N5O3	441.49
489		3-(4-phenoxyphenyl)-1H-pyrazolo[3,4-d]pyrimidin-4-amine		Impurity	AQ-TR-C-790	3-(4-phenoxyphenyl)-1H-pyrazolo[3,4-d]pyrimidin-4-amine	330786-24-8		C17H13N5O	303.33
490		Ibrutinib acetyl impurity		Impurity	AQ-TR-C-791	(R)-1-(3-(4-amino-3-(4-phenoxyphenyl)-1H-pyrazolo[3,4-d]pyrimidin-1-yl)piperidin-1-yl)ethan-1-one	1288338-95-3	NA	C24H24N6O2	428.5

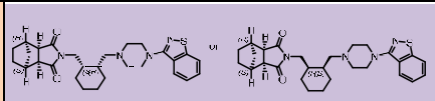
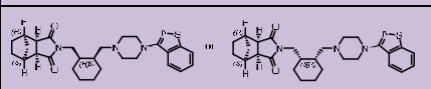
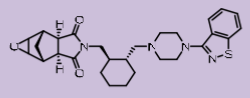
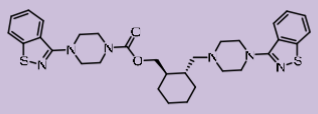
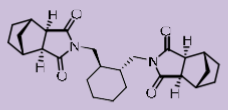
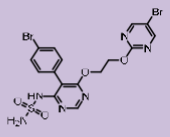
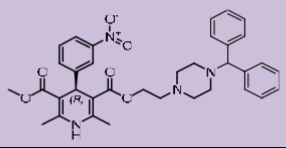
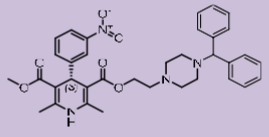
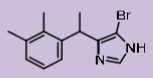
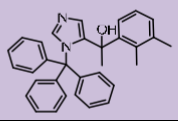
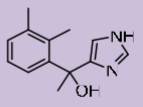
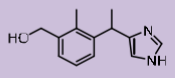
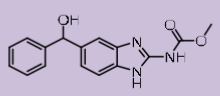
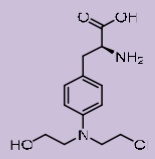
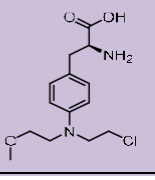
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
491		Ibrutinib chloro impurity		Impurity	AQ-TR-C-792	(R)-1-(3-(4-amino-3-(4-phenoxyphenyl)-1H-pyrazolo[3,4-d]pyrimidin-1-yl)piperidin-1-yl)-3-chloropropan-1-one	1288338-96-4	Ibrutinib Impurity 5	C25H25ClN6O2	476.97
492		IBT6A adduct		Impurity	AQ-TR-C-817	(R)-N-(3-(4-phenoxyphenyl)-1-(piperidin-3-yl)-1H-pyrazolo[3,4-d]pyrimidin-4-yl)-1,1,1-triphenyl-l5-phosphanimine	2064175-43-3	NA	C40H35N6OP	646.73
493		IBT7A adduct		Impurity	AQ-TR-C-818	(R)-1-(3-(3-(4-phenoxyphenyl)-4-((triphenyl-l5-phosphanylidene)amino)-1H-pyrazolo[3,4-d]pyrimidin-1-yl)piperidin-1-yl)prop-2-en-1-one	2064175-44-4	NA	C43H37N6O2P	700.78
494		(S)-Ibrutinib		impurity	AQ-TR-C-953	(S)-1-(3-(4-amino-3-(4-phenoxyphenyl)-1H-pyrazolo[3,4-d]pyrimidin-1-yl)piperidin-1-yl)prop-2-en-1-one	936563-97-2	Ibrutinib Enantiomer; 1-[(3S)-3-[4-Amino-3-(4-phenoxyphenyl)-1H-pyrazolo[3,4-d]pyrimidin-1-yl]-1-piperidinyl]-2-propen-1-one; 1-[(3S)-3-[4-Amino-3-(4-phenoxyphenyl)pyrazolo[3,4-d]pyrimidin-1-yl]piperidin-1-yl]prop-2-en-1-one	C25H24N6O2	440.5
495		Ibuprofen Unknown impurity, RRT 0.68		Impurity	AQ-TR-C-691	1-(4-acetylphenyl)-2-methylpropan-1-one	103931-20-0	NA	C12H14O2	190.24
496		Isopropyl 4-acetylbenzoate (Ibuprofen Impurity)		Impurity	AQ-TR-C-[illegible]	Isopropyl 4-acetylbenzoate	220089-22-5	NA	C12H14O3	206.24
497		Ibuprofen Unknown Impurity		Impurity	AQ-TR-C-765	1-(4-(1-hydroperoxy-2-methylpropyl)phenyl)ethan-1-one	NA	NA	C12H16O3	208.26
498		Ibuprofen Impurity 7		Impurity	AQ-TR-C-766	1-(4-(1-hydroxy-2-methylpropyl)phenyl)ethan-1-one	1314907-71-5	NA	C12H16O2	192.26
499		Ibuprofen Unknown Impurity		Impurity	AQ-TR-C-767	1-(4-acetylphenyl)-2-methylpropan-1-one	103931-20-0	NA	C12H14O2	190.24
500	Ibuprofen	Ibuprofen unknown impurity-1		impurity	AQ-TR-C-1285	4-(carboxymethyl) benzoic acid	501-89-3	Homoterephthalic acid; NSC 2109	C9H8O4	180.16
501		Ibuprofen unknown impurity-3		impurity	AQ-TR-C-1286	methyl 4-acetylbenzoate	3609-53-8	NSC 49140	C10H10O3	178.19
502		4-(1-hydroxyethyl) benzoic acid		impurity	AQ-TR-C-1287	4-(1-hydroxyethyl) benzoic acid	97364-15-3	NA	C9H10O3	166.18
503		4-Acetylbenzaldehyde		impurity	AQ-TR-C-1288	4-acetylbenzaldehyde	3457-45-2	p-Formylacetophenone; 4-Formylacetophenone	C9H8O2	148.16
504		4-Acetylbenzoic acid		impurity	AQ-TR-C-1289	4-acetylbenzoic acid	586-89-0	p-Acetylbenzoic acid; p-Carboxyacetophenone	C9H8O3	164.16
505		4-Vinylbenzoic acid		impurity	AQ-TR-C-1290	4-vinylbenzoic acid	1075-49-6	p-Carboxystyrene; p-Vinylbenzoic acid; NSC 176003	C9H8O2	148.16
506	Imatinib	N-Desmethyl Imatinib		Impurity	AQ-TR-C-172	N-(4-methyl-3-((4-(pyridin-3-yl)pyrimidin-2-yl)amino)phenyl)-4-(piperazin-1-ylmethyl)benzamide hydrochloride	404844-02-6	N-Desmethyl Gleevec; CGP-74588; Norimatinib; STI 509-00; Imatinib EP Impurity C	C28H30ClN7O (HCl Salt) C28H29N7O (Free base)	516.05 (HCl Salt) 479.59 (Free base)

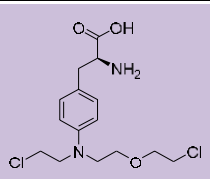
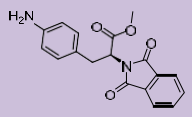
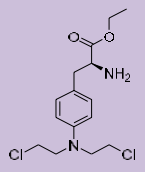
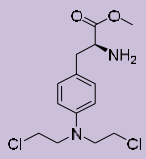
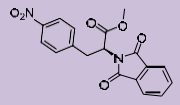
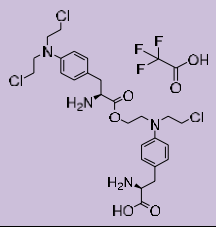
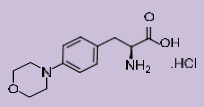
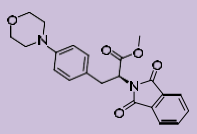
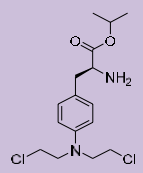
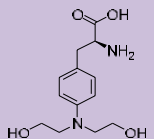
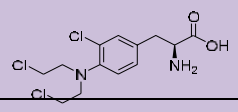
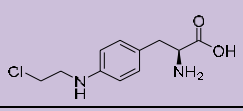
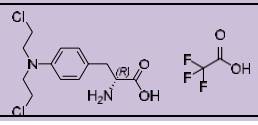
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
507	Indacaterol	REDUCED IMP OF 5,6 DIETHYLINDENAMINE HCl		impurity	AQ-TR-C-954	5,6-diethyloctahydro-1H-inden-2-amine hydrochloride		Indacaterol Reduced impurity	C13H25N C13H26ClN (HCl Salt)	195.34 231.81 (HCl Salt)
508		2,3-dihydro-1H-inden-2-amine hydrochloride		impurity	AQ-TR-C-1048	2,3-dihydro-1H-inden-2-amine hydrochloride	2338-18-3	2-Aminoindan Hydrochloride	C9H11N (Free Base) C9H11N.HCl (HCl Salt)	133.19 (Free Base) 169.65 (HCl Salt)
509		N-(5-ethyl-2,3-dihydro-1H-inden-2-yl)-2,2,2-trifluoroacetamide		impurity	AQ-TR-C-1049	N-(5-ethyl-2,3-dihydro-1H-inden-2-yl)-2,2,2-trifluoroacetamide	601487-88-1	Indacaterol impurity	C13H14F3NO	257.25
510		Indacaterol monoethyl impurity		impurity	AQ-TR-C-1230	5-(2-((5-ethyl-2,3-dihydro-1H-inden-2-yl)amino)-1-hydroxyethyl)-8-hydroxyquinolin-2(1H)-one	NA	NA	C22H24N2O3	364.45
511	Isopropyl Isonipecotate	Isopropyl Isonipecotate		impurity	AQ-TR-O-301	Isopropyl piperidine-4-carboxylate	251638-86-5	NA	C9H17NO2	171.24
512	Isotretinoin	13-cis-5,6-Epoxy-5,6-dihydroretinoic Acid		Impurity	AQ-TR-C-005	(2Z,4E,6E,8E)-3,7-dimethyl-9-(2,2,6-trimethyl-7-oxabicyclo[4.1.0]heptan-1-yl)nona-2,4,6,8-tetraenoic acid	81444-57-7	NA	C20H28O3	316.44
513		11,13-Di-Cis-Retinoic Acid (Isotretinoin EP Impurity C)		Impurity	AQ-TR-C-006	(2Z,4Z,6E,8E)-3,7-dimethyl-9-(2,6,6-trimethylcyclohex-1-en-1-yl)nona-2,4,6,8-tetraenoic acid	3555-80-4	NA	C20H28O2	300.44
514		Isotretinoin Impurity I		Impurity	AQ-TR-C-854	(2E,4E,6E,8E)-9-(3-hydroxy-2,6,6-trimethylcyclohex-1-en-1-yl)-3,7-dimethylnona -2,4,6,8-tetraenoic acid	75281-25-3	4-Hydroxy-13-cis-retinoic Acid; 4-Hydroxyisotretinoin	C20H28O3	316.44
515		4-Oxo-13-cis-retinoic acid		Impurity	AQ-TR-C-855	(2E,4E,6E,8E)-3,7-dimethyl-9-(2,6,6-trimethyl-3-oxocyclohex-1-en-1-yl)nona-2,4,6,8-tetraenoic acid	71748-58-8	13-cis-4-Oxoretinoic acid; 4-Oxoisotretinoin	C20H26O3	314.43
516	Ivabradine	Ivabradine impurity		impurity	AQ-TR-C-1034	3-(3-((((S)-3,4-dimethoxybicyclo[4.2.0]octa-1(6),2,4-trien-7-yl)methyl)(methyl)amino)propyl)-5-hydroxy-7,8-dimethoxy-1,3,4,5-tetrahydro-2H-benzo[d]azepin-2-one	2253977-80-7	NA	C27H36N2O6	484.59
517	Lamivudine	2'-Epi Lamivudine		Impurity	AQ-TR-C-057	4-amino-1-((2S,5S)-2-(hydroxymethyl)-1,3-oxathiolan-5-yl)pyrimidin-2(1H)-one	136846-20-3	NA	C8H11N3O3S	229.25
518		Trans-Lamivudine		Impurity	AQ-TR-C-058	4-amino-1-((2R,5R)-2-(hydroxymethyl)-1,3-oxathiolan-5-yl)pyrimidin-2(1H)-one	139757-68-9	BCH 189; NSC 620753	C8H11N3O3S	229.25
519		Lamivudine Enantiomer		Impurity	AQ-TR-C-532	4-amino-1-((2S,5R)-2-(hydroxymethyl)-1,3-oxathiolan-5-yl)pyrimidin-2(1H)-one	134680-32-3	Lamivudine Enantiomer; (+)-BCH 189; 3TC; BCH 189; (+)-Ent-lamivudine; NSC 620753	C8H11N3O3S	229.25
520	Laudanosine	CIS-CE-RLAUDANOSINE BESYLATE Cp 93242		Impurity	AQ-TR-C-533	(1R,2R)-2-(2-carboxyethyl)-1-(3,4-dimethoxybenzyl)-6,7-dimethoxy-2-methyl-1,2,3,4-tetrahydroisoquinolin-2-ium benzenesulfonate	1075727-06-8	NA	C30H37NO9S	587.68
521		R-Laudanosine Cp 93229		Impurity	AQ-TR-C-534	(R)-1-(3,4-dimethoxybenzyl)-6,7-dimethoxy-2-methyl-1,2,3,4-tetrahydroisoquinoline	85-63-2	1βH-Laudanosine (8CI); (-)-Laudanosine; (-)-Laudanosine; D-(-)-Laudanosine; D-Laudanosine; O-Methyllaudanidine; R-(-)-Laudanosine; I-N-Methyltetrahydro papaverine	C21H27NO4	357.45
522		CIS HPOCE-R-LAUDA Trifluoroacetate		Impurity	AQ-TR-C-655	(1R,2R)-1-(3,4-dimethoxybenzyl)-2-(3-((5-hydroxypentyl)oxy)-3-oxopropyl)-6,7-dimethoxy-2-methyl-1,2,3,4-tetrahydroisoquinolin-2-ium 2,2,2-trifluoroacetate	NA	NA	C31H42F3NO9 (Salt) C29H42NO7 (Free base)	629.67 (Salt) 516.65 (Free base)
523		4-Nitrophthalide (Lenalidomide KSM lactone impurity)		Impurity	AQ-TR-C-001	4-nitro-3-benzofuran-1(3H)-one	65399-18-0	4-Nitrophthalide	C8H5NO4	179.13

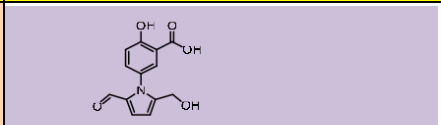
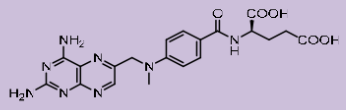
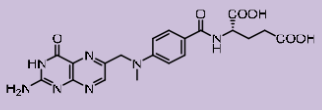
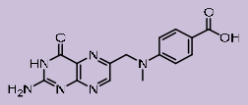
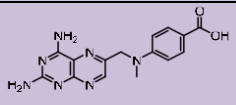
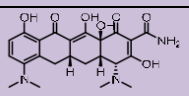
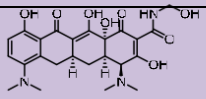
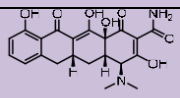
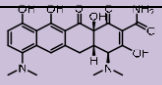
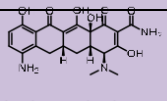
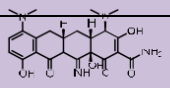
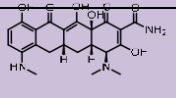
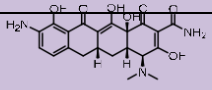
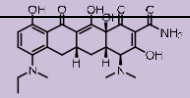
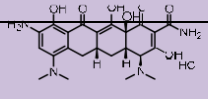
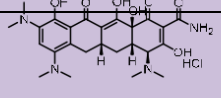
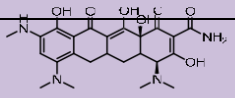
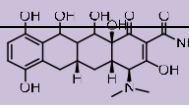
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
524	Lenalidomide	Methyl 2-(bromomethyl)-6-nitrobenzoate		Impurity	AQ-TR-C-178	methyl 2-(bromomethyl)-6-nitrobenzoate	61940-21-4	NA	C9H8BrNO4	274.07
525		Methyl 2-(bromomethyl)-4-nitrobenzoate		Impurity	AQ-TR-C-179	methyl 2-(bromomethyl)-4-nitrobenzoate	133446-99-8	NA	C9H8BrNO4	274.07
526		Methyl 2-(bromomethyl)-5-nitrobenzoate		Impurity	AQ-TR-C-180	methyl 2-(bromomethyl)-5-nitrobenzoate	90725-68-1	NA	C9H8BrNO4	274.07
527		Lenalidomide Impurity-3		Impurity	AQ-TR-C-383	2-(4-amino-1-oxoisoindolin-2-yl)pentanedioic acid	295357-66-3	NA	C13H14N2O5	278.26
528		Methyl 2-(chloromethyl)-3-nitrobenzoate		Impurity	AQ-TR-C-627	methyl 2-(chloromethyl)-3-nitrobenzoate	1218910-61-3	NA	C9H8ClNO4	229.62
529	Lenvatinib	Lenvatinib N-Oxide		Impurity	AQ-TR-C-275	6-carbamoyl-4-(3-chloro-4-(3-cyclopropylureido)phenoxy)-7-methoxyquinoline 1-oxide	NA	6-Quinolinecarboxamide; Lenvatinib Metabolite M3	C21H19ClN4O5	442.86
530		Lenvatinib Impurity 2		Impurity	AQ-TR-C-276	4-(3-chloro-4-ureidophenoxy)-7-methoxyquinoline-6-carboxylic acid	NA	Lenvatinib M1; Descyclopropyl Lenvatinib	C18H14ClN3O5	387.78
531		Lenvatinib Impurity-4		Impurity	AQ-TR-C-311	4-(4-((6-carbamoyl-7-methoxyquinolin-4-yl)amino)-3-chlorophenoxy)-7-methoxyquinoline-6-carboxamide	NA	NA	C28H22ClN5O5	543.96
532		6-Quinolinecarboxamide, 4-(4-amino-3-chlorophenoxy)-7-methoxy		Impurity	AQ-TR-C-312	4-(4-amino-3-chlorophenoxy)-7-methoxyquinoline-6-carboxamide	417722-93-1	NA	C17H14ClN3O3	343.77
533		Des cyclopropyl Lenvatinib		Impurity	AQ-TR-C-313	4-(3-chloro-4-ureidophenoxy)-7-methoxyquinoline-6-carboxamide	417719-51-8	Lenvatinib M1	C18H15ClN4O4	386.79
534		Lenvatinib Impurity-1		Impurity	AQ-TR-C-314	4-(3-chloro-4-(3-cyclopropylureido)phenoxy)-7-methoxyquinoline-6-carboxylic acid	417717-21-6	Desamino Hydroxy Lenvatinib	C21H18ClN3O5	427.84
535		Lenvatinib Impurity-A		Impurity	AQ-TR-C-315	1-(2-chloro-4-hydroxyphenyl)-3-cyclopropylurea	796848-79-8	Desquinolinyl Lenvatinib	C10H11ClN2O2	226.66
536		Lenvatinib Methyl Ester Impurity		Impurity	AQ-TR-C-316	methyl 4-(3-chloro-4-(3-cyclopropylureido)phenoxy)-7-methoxyquinoline-6-carboxylate	417717-20-5	NA	C22H20ClN3O5	441.87
537		Lenvatinib Impurity-10		Impurity	AQ-TR-C-384	methyl 4-(3-chloro-4-ureidophenoxy)-7-methoxyquinoline-6-carboxylate	NA	NA	C19H16ClN3O5	401.8
538	Lercanidipine	R-Lercanidipine		Impurity	AQ-TR-C-502	3-(1-((3,3-diphenylpropyl)(methyl)amino)-2-methylpropan-2-yl) 5-methyl (R)-2,6-dimethyl-4-(3-nitrophenyl)-1,4-dihydropyridine-3,5-dicarboxylate	NA	NA	C36H41N3O6	611.74
539		S-Lercanidipine		Impurity	AQ-TR-C-503	3-(1-((3,3-diphenylpropyl)(methyl)amino)-2-methylpropan-2-yl) 5-methyl (S)-2,6-dimethyl-4-(3-nitrophenyl)-1,4-dihydropyridine-3,5-dicarboxylate	NA	NA	C36H41N3O6	611.74
540		Levetiracetam Enantiomer		impurity	AQ-TR-C-1280	(R)-2-(2-oxopyrrolidin-1-yl)butanamide	103765-01-1	R-Levetiracetam; (R)-Etiracetam; UCB-L 060	C8H14N2O2	170.21

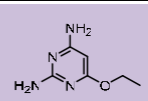
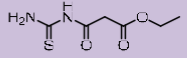
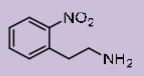
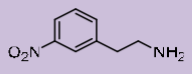
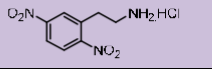
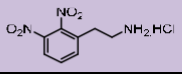
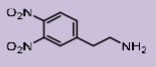
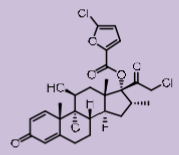
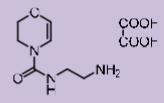
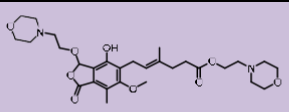
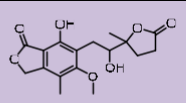
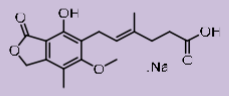
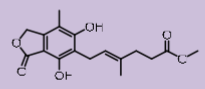
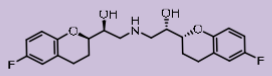
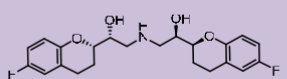
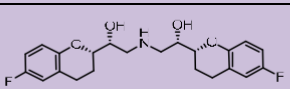
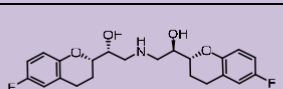
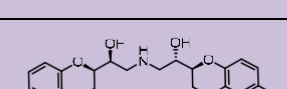
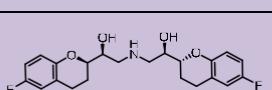
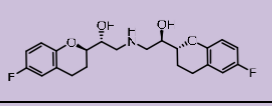
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
541	Levetiracetam	Ethyl 2-(2-oxopyrrolidin-1-yl)butanoate		impurity	AQ-TR-C-1207	ethyl 2-(2-oxopyrrolidin-1-yl)butanoate	86815-10-3	NA	C10H17NO3	199.25
542		Isobutyl 2-(2-oxopyrrolidin-1-yl) butanoate		impurity	AQ-TR-C-1208	isobutyl 2-(2-oxopyrrolidin-1-yl)butanoate	NA	NA	C12H21NO3	227.30
543		methyl 2-(2-oxopyrrolidin-1-yl) butanoate		impurity	AQ-TR-C-1209	methyl 2-(2-oxopyrrolidin-1-yl)butanoate	33978-83-5	NA	C9H15NO3	185.2
544	Levothyroxine	Monochlorotriiodothyronine (Impurity-B)		Impurity	AQ-TR-C-188	(2S)-2-amino-3-[4-(3-chloro-4-hyrdoxy-5-iodophenoxy)-3,5-diiodophenyl]propanoic acid	1628720-66-0	NA	C15H11ClI3NO4	685.42
545		Levothyroxine Impurity F		Impurity	AQ-TR-C-189	(S)-2-amino-3-(4-(4-(4-hydroxy-3,5-diiodophenoxy)-3,5-diiodophenoxy)-3,5-diiodophenyl)propanoic acid	911661-90-0	NA	C21H13I6NO5	1120.76
546		Levothyroxine Impurity-H		Impurity	AQ-TR-C-190	4-(4-hydroxy-3,5-diiodophenoxy)-3,5-diiodobenzoic acid	2055-97-2	TFA 4; Tetraform; Tetraform (thyroid hormone analog); Tetraiodothyroformic acid;	C13H6I4O4	733.8
547		T4-Aldehyde (Impurity I)		Impurity	AQ-TR-C-191	4-(4-hydroxy-3,5-diiodophenoxy)-3,5-diiodobenzaldehyde	2016-06-0	NA	C13H6I4O3	717.81
548		Levothyroxine Impurity-J		Impurity	AQ-TR-C-192	(S)-2-amino-3-(4-(4-hydroxy-3-iodophenoxy)-3-iodophenyl)propanoic acid	4604-41-5	NA	C15H13I2NO4	525.08
549		Levothyroxine Impurity-K		Impurity	AQ-TR-C-193	(S)-2-amino-3-(4-(4-hydroxy-3,5-diiodophenoxy)-3-iodophenyl)propanoic acid	5817-39-0	Isoliothyronine; Reverse L-triiodothyronine; Reverse T3; Reverse triiodothyronine; rT3	C15H12I3NO4	650.98
550		T4-Hydroxy acetic acid		Impurity	AQ-TR-C-194	2-Hydroxy-2-(4-(4-hydroxy-3,5-diiodophenoxy)-3,5-diiodophenyl)acetic acid	93647-48-4	NA	C14H8I4O5	763.83
551		T4-acetamide		Impurity	AQ-TR-C-195	2-[4-(4-Hydroxy-3,5-diiodophenoxy)-3,5-diiodophenyl]acetamide	176258-88-1	NA	C14H9I4NO3	746.85
552		Levothyroxine sodium		Impurity	AQ-TR-C-072	(S)-2-amino-3-(4-(4-hydroxy-3,5-diiodophenoxy)-3,5-diiodophenyl)propanoic acid, sodium salt	55-03-8	NA	C15H11I4NNaO4 (Sodium Salt) C15H11I4NO4 (Free acid)	799.86 (Sodium Salt) 776.87 (Free acid)
553		T4-amine-O-methyl		Impurity	AQ-TR-C-196	2-(4-(3,5-diiodo-4-methoxyphenoxy)-3,5-diiodophenyl)ethan-1-amine hydrochloride	2230724-39-5	NA	C15H14ClI4NO2	783.35
554		Levothyroxine O-Methyl		Impurity	AQ-TR-C-271	(S)-2-amino-3-(4-(3,5-diiodo-4-methoxyphenoxy)-3,5-diiodophenyl)propanoic acid	4367-89-9	NA	C16H13I4NO4	790.9
555		Levothyroxine N-Methylamide		Impurity	AQ-TR-C-272	(S)-2-amino-3-(4-(4-hydroxy-3,5-diiodophenoxy)-3,5-diiodophenyl)-N-methylpropanamide	2088032-52-2	NA	C16H14I4N2O3	789.92
556		Levothyroxine N-Formyl /N-Formyl-T4		Impurity	AQ-TR-C-273	(S)-2-formamido-3-(4-(4-hydroxy-3,5-diiodophenoxy)-3,5-diiodophenyl)propanoic acid	671235-41-9	N-Formyl-T4 (USP)	C16H11I4NO5	804.88
557		N-acetyl-L-thyroxine		Impurity	AQ-TR-C-281	(S)-2-acetamido-3-(4-(4-hydroxy-3,5-diiodophenoxy)-3,5-diiodophenyl)propanoic acid	26041-51-0	N-acetyl-T4, Levothyroxine Related Compound-5	C17H13I4NO5	818.91
558		Levothyroxine Degradant-1 Impurity		Impurity	AQ-TR-C-471	4-[4-(2-Aminoethyl)-2,6-diiodophenoxy]-2,6-diiodophenol Hydrochloride	788824-71-5	Thyroxamine Hydrochloride	C14H11I4NO2 (Free base) C14H12ClI4NO2 (HCl salt)	732.86 (Free base) 769.32 (HCl Salt)
559		Liothyronine		Impurity	AQ-TR-C-510	(S)-2-amino-3-(4-(4-hydroxy-3-iodophenoxy)-3,5-diiodophenyl)propanoic acid	03-02-6893	DT 3; Detrothyronin; Dextrothyronine; NSC 46046; Triiodo-L-thyronine	C15H12I3NO4	650.98
560		T4-Acetic acid impurity		Impurity	AQ-TR-C-482	2-(4-(4-hydroxy-3,5-diiodophenoxy)-3,5-diiodophenyl)acetic acid	67-30-1	Levothyroxine EP Impurity D; Tetraiodothyroacetic acid	C14H8I4O4	747.83

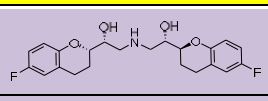
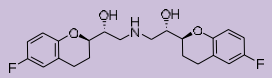
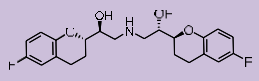
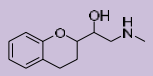
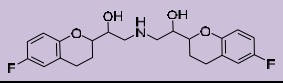
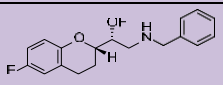
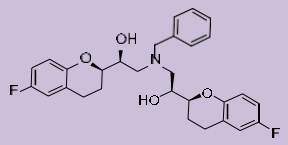
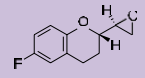
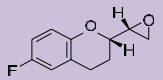
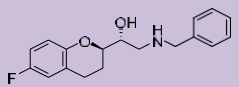
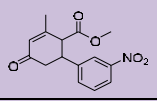
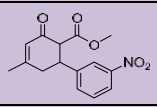
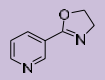
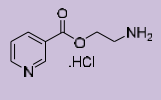
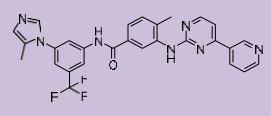
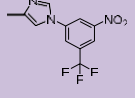
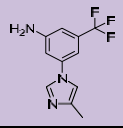
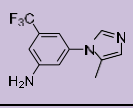
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
561		3,5-diiodo-L-tyrosine		impurity	AQ-TR-C-1116	(S)-2-amino-3-(4-hydroxy-3,5-diiodophenyl)propanoic acid	300-39-0	NA	C9H9I2NO3	432.98
562		L-Tyrosine		impurity	AQ-TR-C-1174	L-2-Amino-3-(4-Hydroxyphenyl) propanoic acid	60-18-4	S-Tyrosine; NSC 82624; NSC 9973; p-Tyrosine	C9H11NO3	181.19
563		Levothyroxine-N-Lactoside		impurity	AQ-TR-C-1198	(S)-2-{((2R,3R,4R,5S,6R)-3,4-dihydroxy-6-(hydroxymethyl)-5-(((2S,3R,4S,5R,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)tetrahydro-2H-pyran-2-yl)oxy)tetrahydro-2H-pyran-2-yl)amino)-3-(4-(4-hydroxy-3,5-diiodophenoxy)-3,5-diiodophenyl)propanoic acid	NA	NA	C27H31I4NO14	1101.16
564	Lifitegrast	5,7,8-TRICHLORO-1,2,3,4-TETRAHYDROISOQUINOLINE		Impurity	AQ-TR-C-413	5,7,8-trichloro-1,2,3,4-tetrahydroisoquinoline	73075-51-1	Lifitegrast impurity	C9H8Cl3N	236.52
565	Linagliptin	N-Acetyl Linagliptin		impurity	AQ-TR-C-1035	(R)-N-(1-(7-(but-2-yn-1-yl)-3-methyl-1-((4-methylquinazolin-2-yl)methyl)-2,6-dioxo-2,3,6,7-tetrahydro-1H-purin-8-yl)piperidin-3-yl)acetamide	1803079-49-3	Linagliptin Acetamide; Linagliptin N-Acetyl Impurity	C27H30N8O3	514.58
566		N-Boc Linagliptin		impurity	AQ-TR-C-1036	tert-butyl (R)-(1-(7-(but-2-yn-1-yl)-3-methyl-1-((4-methylquinazolin-2-yl)methyl)-2,6-dioxo-2,3,6,7-tetrahydro-1H-purin-8-yl)piperidin-3-yl)carbamate	668273-75-4	NA	C30H36N8O4	572.66
567		N-Formyl Linagliptin		impurity	AQ-TR-C-1037	(R)-N-(1-(7-(but-2-yn-1-yl)-3-methyl-1-((4-methylquinazolin-2-yl)methyl)-2,6-dioxo-2,3,6,7-tetrahydro-1H-purin-8-yl)piperidin-3-yl)formamide	NA	NA	C26H28N8O3	500.55
568	Lincomycin	Lincomycin-2,4 -phosphate		Impurity	AQ-TR-C-675	(2S,4R)-N-((1R,2R)-1-((1R,5R,6R,8R,9S)-3,9 dihydroxy-8-(methylthio)-3-oxido-2,4,7-trioxa-3-phosphabicyclo[3.3.1]nonan-6-yl)-2-hydroxypropyl)-1-methyl-4-propylpyrrolidine-2-carboxamide	NA	Clindamycin Phosphate EP Impurity G; Clindamycin Phosphate BP Impurity G;	C18H33N2O8PS	468.5
569	Loperamide	Didesmethyl Loperamide		Impurity	AQ-TR-C-026	4-[4-(4-chlorophenyl)-4-hydroxypiperidin 1-yl)-2,2-diphenylbutanamide	66164-06-5	R 21345	C27H29ClN2O2	448.99
570		Desmethyl Loperamide		Impurity	AQ-TR-C-027	4-[4-(4-chlorophenyl)-4-hydroxypiperidin 1-yl)-N-methyl-2,2-diphenylbutanamide	66164-07-6	R 20905	C28H31ClN2O2	463.02
571	Lopinavir	Lopinavir EP Impurity-G		Impurity	AQ-TR-C-460	N-((2S,3S,5S)-5-acetamido-3-hydroxy-1,6-diphenylhexan-2-yl)-2-(2,6-dimethylphenoxy)acetamide	NA	NA	C30H36N2O4	488.63
572		Lopinavir EP Impurity-E		Impurity	AQ-TR-C-535	N-((2S,3S,5S)-5-amino-3-hydroxy-1,6-diphenylhexan-2-yl)-2-(2,6-dimethylphenoxy)acetamide	192725-49-8	NA	C28H34N2O3	446.59
573		Lopinavir EP Impurity-F		Impurity	AQ-TR-C-536	2-(2,6-dimethylphenoxy)-N-((2S,3S,5S)-5-formamido-3-hydroxy-1,6-diphenylhexan 2-yl)acetamide	NA	NA	C29H34N2O4	474.6
574	Lovastatin	Lovastatin hydroxy acid ammonium salt		Impurity	AQ-TR-C-015	(3R,5R)-7-((1S,2S,6R,8S,8aR)-2,6-dimethyl-8-(((S)-2-methylbutanoyl)oxy)-1,2,6,7,8,8a-hexahydronaphthalen-1-yl)-3,5-dihydroxyheptanoic acid, ammonia salt	75225-50-2	MB530B; Mevinolinic Acid; Lovastatin EP Impurity B; MSD 803	C24H41NO6 (Ammonium Salt) C24H38O6 (Free acid)	439.59 (Ammonium Salt) 422.56 (Free acid)
575		Dehydro Lovastatin		Impurity	AQ-TR-C-016	(1S,3R,7S,8S,8aR)-3,7-dimethyl-8-(2-((R)-6-oxo-3,6-dihydro-2H-pyran-2-yl)ethyl)-1,2,3,7,8,8a-hexahydronaphthalen-1-yl (S)-2-methylbutanoate	109273-98-5	Dehydromonacolin K; L 642257; α,ß-Dehydrolovastatin; Lovastatin EP ImpurityC	C24H34O4	386.53
576		Lovastatin related compound #6		Impurity	AQ-TR-C-017	(1S,3R,7S,8S,8aR)-8-(2-((S)-4,6-dioxotetrahydro-2H-pyran-2-yl)ethyl)-3,7-dimethyl-1,2,3,7,8,8a-hexahydronaphthalen-1-yl (S)-2-methylbutanoate	NA	NA	C24H34O5	402.53

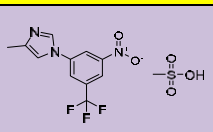
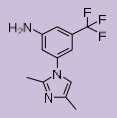
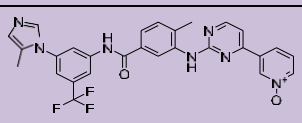
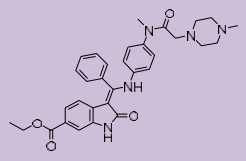
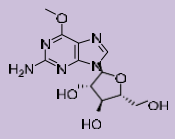
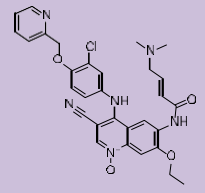
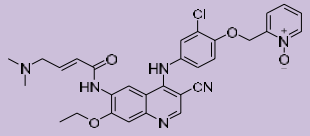
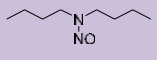
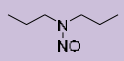
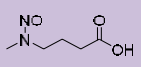
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
577	Lurasidone	Lurasidone isomer-1		Impurity	AQ-TR-C-803	(3aR,4R,7S,7aS)-2-(((1S,2R)-2-((4-(benzo[d]isothiazol-3-yl)piperazin-1-yl)methyl)cyclohexyl)methyl)hexahydro-1H-4,7-methanoisoindole-1,3(2H)-dione (or) (3aR,4R,7S,7aS)-2-(((1R,2S)-2-((4-(benzo[d]isothiazol-3-yl)piperazin-1-yl)methyl)cyclohexyl)methyl)hexahydro-1H-4,7-methanoisoindole-1,3(2H)-dione	NA	NA	C28H36N4O2S	492.68
578		Lurasidone isomer-2		Impurity	AQ-TR-C-804	(3aR,4R,7S,7aS)-2-(((1S,2R)-2-((4-(benzo[d]isothiazol-3-yl)piperazin-1-yl)methyl)cyclohexyl)methyl)hexahydro-1H-4,7-methanoisoindole-1,3(2H)-dione (or) (3aR,4R,7S,7aS)-2-(((1R,2S)-2-((4-(benzo[d]isothiazol-3-yl)piperazin-1-yl)methyl)cyclohexyl)methyl)hexahydro-	NA	NA	C28H36N4O2S	492.68
579		LURASIDONE HYDROCHLORIDE IMPURITY F		impurity	AQ-TR-1210	(2R,2aS,5aR,6S)-4-(((1R,2R)-2-((4-(benzo[d]isothiazol-3-yl)piperazin-1-yl)methyl)cyclohexyl)methyl)hexahydro-3H-2,6-methanooxireno[2,3-f]isoindole-3,5(4H)-dione	1373868-14-4	NA	C28H34N4O3S	506.67
580		LURASIDONE HYDROCHLORIDE IMPURITY L		impurity	AQ-TR-C-1211	((1R,2R)-2-((4-(benzo[d]isothiazol-3-yl)piperazin-1-yl)methyl)cyclohexyl)methyl 4-(benzo[d]isothiazol-3-yl)piperazine-1-carboxylate	1807983-63-6	NA	C31H38N6O2S2	590.81
581		LURASIDONE HYDROCHLORIDE IMPURITY J		impurity	AQ-TR-C-1212	(3aR,3a'R,4S,4'S,7R,7aS,7'R,7a'S)-2,2'-(((1R,2R)-cyclohexane-1,2-diyl)bis(methylene))bis(hexahydro-1H-4,7-methanoisoindole-1,3(2H)-dione)	NA	NA	C26H34N2O4	438.57
582	Macitentan	N-Despropyl Macitentan		Impurity	AQ-TR-C-028	N-[5-(4-Bromophenyl)-6-[2-[(5-bromo-2-pyrimidinyl)oxy]ethoxy]-4-pyrimidinyl]-sulfamide	1103522-45-7	ACT 132577	C16H14Br2N6O4S	546.19
583	Manidipine	(R) -Manidipine		Impurity	AQ-TR-C-746	3-(2-(4-benzhydrylpiperazin-1-yl)ethyl) 5-methyl (R)-2,6-dimethyl-4-(3-nitrophenyl)-1,4-dihydropyridine-3,5-dicarboxylate	NA	NA	C35H38N4O6	610.71
584		(S) -Manidipine		Impurity	AQ-TR-C-747	3-(2-(4-benzhydrylpiperazin-1-yl)ethyl) 5-methyl (S)-2,6-dimethyl-4-(3-nitrophenyl) 1,4-dihydropyridine-3,5-dicarboxylate	NA	NA	C35H38N4O6	610.71
585	Medetomidine	Bromomedetomidine Impurity		Impurity	AQ-TR-C-665	5-bromo-4-(1-(2,3-dimethylphenyl)ethyl)-1H-imidazole	NA	NA	C13H15BrN2	279.18
586		1-Hydroxy N-Trityl Medetomidine		Impurity	AQ-TR-C-666	1-(2,3-dimethylphenyl)-1-(1-trityl-1H-imidazol-5-yl)ethan-1-ol	1556704-62-1	NA	C32H30N2O	458.61
587		Hydroxy Medetomidine Impurity		impurity	AQ-TR-C-1067	1-(2,3-dimethylphenyl)-1-(1H-imidazol-4-yl)ethan-1-ol	86347-12-8	NA	C13H16N2O	216.28
588		3-Hydroxy medetomidine		impurity	AQ-TR-C-1121	(3-(1-(1H-imidazol-4-yl)ethyl)-2-methylphenyl)methanol	128366-50-7	Hydroxy medetomidine	C113H16N2O	216.28
589	Mebendazole	5-Hydroxy Mebendazole Impurity		Impurity	AQ-TR-C-784	methyl (5-(hydroxy(phenyl)methyl)-1H-benzo[d]imidazol-2-yl)carbamate	60254-95-7	rac-Dihydro Mebendazole	C16H15N3O3	297.31
590		Melphalan Impurity-D		Impurity	AQ-TR-C-703	(S)-2-amino-3-(4-((2-chloroethyl)(2-hydroxyethyl)amino)phenyl)propanoic acid	61733-01-5	Hydroxy Melphalan	C13H19ClN2O3	286.76
591		Melphalan Impurity-I		Impurity	AQ-TR-C-704	(S)-2-amino-3-(4-((2-chloroethyl)(2-methoxyethyl)amino)phenyl)propanoic acid	573704-40-2	NA	C14H21ClN2O3	300.78

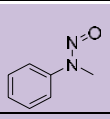
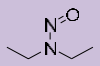
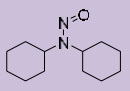
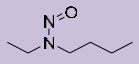
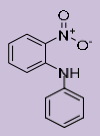
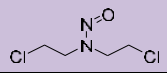
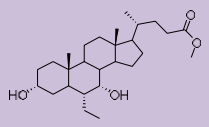
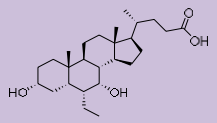
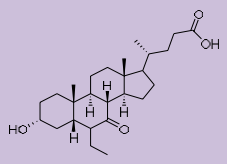
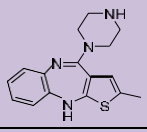
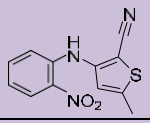
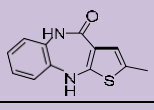
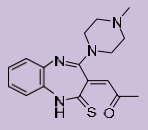
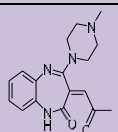
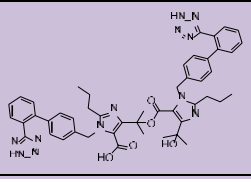
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
592	Melphalan	Melphalan Impurity-J		Impurity	AQ-TR-C-705	(S)-2-amino-3-(4-((2-(2-chloroethoxy)ethyl)(2-chloroethyl)amino)phenyl)propanoic acid	NA	2-Chloroethoxy Dechloromelphalan	C15H22Cl2N2O3	349.25
593		Melphalan Phthalimide Impurity		Impurity	AQ-TR-C-731	methyl (S)-3-(4-aminophenyl)-2-(1,3-dioxoisoindolin-2-yl)propanoate	74713-96-5	NA	C18H16N2O4	324.34
594		Melphalan Ethyl Ester		Impurity	AQ-TR-C-732	ethyl (S)-2-amino-3-(4-(bis(2-chloroethyl)amino)phenyl)propanoate	18067-07-7	NA	C15H22Cl2N2O2	333.25
595		Melphalan Methyl Ester		Impurity	AQ-TR-C-733	methyl (S)-2-amino-3-(4-(bis(2-chloroethyl)amino)phenyl)propanoate	88457-23-2	Melphalan EP Impurity H	C14H20Cl2N2O2	319.23
596		Melphalan impurity-B		Impurity	AQ-TR-C-734	methyl (S)-2-(1,3-dioxoisoindolin-2-yl)-3-(4-nitrophenyl)propanoate	NA	NA	C18H14N2O6	354.32
597		Melphalan Impurity G Trifluoroacetic acid salt		Impurity	AQ-TR-C-735	(S)-2-amino-3-(4-((2-(((S)-2-amino-3-(4-(bis(2-chloroethyl)amino)phenyl)propanoyl)oxy)ethyl)(2-chloroethyl)amino)phenyl)propanoic acid--2,2,2-trifluoroacetic acid	NA	NA	C28H36Cl3F3N4O6 (TFA Salt) C26H35Cl3N4O4 (Free base)	687.96 (TFA Salt) 573.94 (Free base)
598		Melphalan Impurity-B Hydrochloride		Impurity	AQ-TR-C-754	(S)-2-amino-3-(4-morpholinophenyl)propanoic acid hydrochloride	NA	NA	C13H19ClN2O3 (HCl Salt) C13H18N2O3 (Free Base)	286.76 (HCl Salt) 250.30 (Free Base)
599		Melphalan morpholine phthalimide methyl ester impurity		Impurity	AQ-TR-C-755	methyl (S)-2-(1,3-dioxoisoindolin-2-yl)-3-(4-morpholinophenyl)propanoate	NA	Melphalan impurity	C22H22N2O5	394.43
600		Melphalan Isopropyl Ester		Impurity	AQ-TR-C-756	isopropyl (S)-2-amino-3-(4-(bis(2-chloroethyl)amino)phenyl)propanoate	104874-57-9	Sarcolysin isopropyl ester	C16H24Cl2N2O2	347.28
601		Dihydroxy Melphalan		Impurity	AQ-TR-C-815	(S)-2-amino-3-(4-(bis(2-hydroxyethyl)amino)phenyl)propanoic acid	72143-20-5	NA	C13H20N2O4	268.31
602		Melphalan EP impurity-F		Impurity	AQ-TR-C-866	(S)-2-amino-3-(4-(bis(2-chloroethyl)amino)-3-chlorophenyl)propanoic acid	NA	3-Chloro Melphalan	C13H17Cl3N2O2	339.64
603		Melphalan Impurity-C		Impurity	AQ-TR-C-867	(S)-2-amino-3-(4-((2-chloroethyl)amino)phenyl)propanoic acid	573704-41-3	NA	C11H15ClN2O2	242.7
604		D-Isomer Melphalan		Impurity	AQ-TR-C-868	(R)-2-amino-3-(4-(bis(2-chloroethyl)amino)phenyl)propanoicacid ,2,2,2-trifluoro acetic acid	13045-94-8 (Free base)		C13H18Cl2N2O2 (Free Base) C15H19Cl2F3N2O4 (TFA Salt)	305.20 (Free Base) 419.22 (TFA Salt)

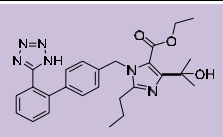
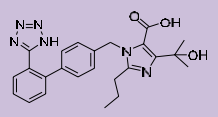
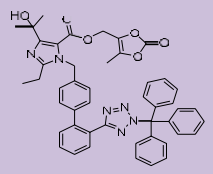
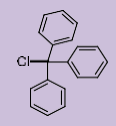
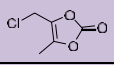
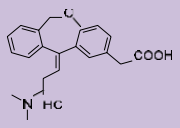
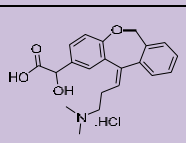
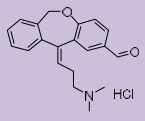
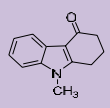
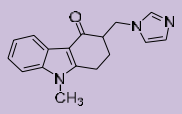
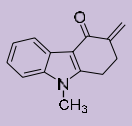
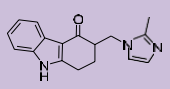
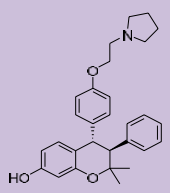
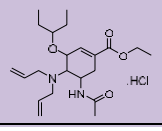
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
605	Mesalamine	5-[2-formyl-5-(hydroxymethyl)-1h-pyrrol-1-yl]-2-hydroxybenzoic acid		Impurity	AQ-TR-C-537	5-(2-formyl-5-(hydroxymethyl)-1H-pyrrol-1-yl)-2-hydroxybenzoic acid	876903-48-9	Mesalamine Impurity 1	C13H11NO5	261.23
606	Methotrexate	Methotrexate Impurity F (Isomer)		impurity	AQ-TR-C-1243	(4-(((2,4-diaminopteridin-6-yl)methyl)(methyl)amino)benzoyl)-D-glutamic acid	NA	NA	C20H22N8O5	454.45
607		Methotrexate Impurity C		impurity	AQ-TR-C-1282	(4-(((2-amino-4-oxo-3,4-dihydropteridin-6-yl)methyl)(methyl)amino)benzoyl)-L-glutamic acid	2410-93-7	N10-Methyl Folic Acid; N10-Methylpteroylglutamic Acid; NSC 107144; Methotrexate USP Related Compound C; Methotrexate EP Impurity C	C20H21N7O6	455.43
608		Methotrexate Impurity D		impurity	AQ-TR-C-1283	4-(((2-amino-4-oxo-3,4-dihydropteridin-6-yl)methyl)(methyl)amino)benzoic acid	5623-18-7	Metfol-B, Methotrexate EP Impurity D; NSC 408937	C15H14N6O3	326.32
609		Methotrexate Impurity E		impurity	AQ-TR-C-1284	4-(((2,4-diaminopteridin-6-yl)methyl)(methyl)amino)benzoic acid	19741-14-1	NSC 131463; NSC 133723	C15H15N7O2	325.33
610	Minocycline	4-Epiminocycline		Impurity	AQ-TR-C-038	(4R,4aR,5aS,12aR)-4,7-bis(dimethylamino)-3,10,11,12a-tetrahydroxy-1,12-dioxo-1,4,4a,5,5a,6,12,12a-octahydrotetracene-2-carboxamide	27179-27-7	NA	C23H27N3O7	457.48
611		N2-Hydroxymethyl Minocycline		Impurity	AQ-TR-C-039	(4S,4aR,5aS,12aR)-4,7-bis(dimethylamino)-3,10,11,12a-tetrahydroxy-N-(hydroxymethyl)-1,12-dioxo-1,4,4a,5,5a,6,12,12a-octahydrotetracene-2-carboxamide	NA	NA	C24H29N3O8	487.51
612		Sancycline		Impurity	AQ-TR-C-040	(4S,4aS,5aR,12aS)-4-(dimethylamino)-3,10,12,12a-tetrahydroxy-1,11-dioxo-1,4,4a,5,5a,6,11,12a-octahydrotetracene-2-carboxamide	808-26-4	GS 2147	C21H22N2O7	414.41
613		Minocycline Dehydro analogue		Impurity	AQ-TR-C-041	(4S,4aS,12aS)-4,7-bis(dimethylamino)-3,10,11,12a-tetrahydroxy-1,12-dioxo-1,4,4a,5,12,12a-hexahydrotetracene-2-carboxamide	1346598-44-4	NA	C23H25N3O7	455.47
614		7-Amino sancycline		Impurity	AQ-TR-C-113	(4S,4aS,5aR,12aS)-7-amino-4-(dimethylamino)-3,10,12,12a-tetrahydroxy-1,11-dioxo-1,4,4a,5,5a,6,11,12a-octahydrotetracene-2-carboxamide	5679-00-5	NA	C21H23N3O7	429.43
615		12-Imino-delta-minocycline		Impurity	AQ-TR-C-120	(4R,4aR,5aS,12aR)-4,7-bis(dimethylamino)-3,10,12a-trihydroxy-12-imino-1,11-dioxo-1,4,4a,5,5a,6,11,11a,12,12a-decahydrotetracene-2-carboxamide	NA	NA	C23H28N4O6	456.5
616		7-Monomethyl minocycline		Impurity	AQ-TR-C-144	(4S,4aS,5aR,12aS)-4-(dimethylamino)-3,10,12,12a-tetrahydroxy-7-(methylamino)-1,11-dioxo-1,4,4a,5,5a,6,11,12a-octahydrotetracene-2-carboxamide	4708-96-7	NA	C22H25N3O7	443.46
617		9-Amino sancycline		Impurity	AQ-TR-C-145	(4S,4aS,5aR,12aS)-9-amino-4-(dimethylamino)-3,10,12,12a-tetrahydroxy-1,11-dioxo-1,4,4a,5,5a,6,11,12a-octahydrotetracene-2-carboxamide	4199-34-2	NA	C21H23N3O7	429.43
618		7-Ethyl Methyl amino Minocycline		Impurity	AQ-TR-C-175	(4S,4aS,5aR,12aS)-4-(dimethylamino)-7-(ethyl(methyl)amino)-3,10,12,12a-tetrahydroxy-1,11-dioxo-1,4,4a,5,5a,6,11,12a-octahydrotetracene-2-carboxamide	32598-29-1	NA	C24H29N3O7	471.51
619		9-Aminominocycline Hydrochloride		Impurity	AQ-TR-C-385	(4S,4aS,5aR,12aS)-9-amino-4,7-bis(dimethylamino)-3,10,12,12a-tetrahydroxy-1,11-dioxo-1,4,4a,5,5a,6,11,12a-octahydrotetracene-2-carboxamide hydrochloride	149934-21-4	NA	C23H29ClN4O7 (HCl Salt) C23H28N4O7 (Free Base)	508.96 (HCl Salt) 472.50 (Free Base)
620		9-Dimethylamino Minocycline Hydrochloride		Impurity	AQ-TR-C-386	(4S,4aS,5aR,12aS)-4,7,9-tris(dimethylamino)-3,10,12,12a-tetrahydroxy-1,11-dioxo-1,4,4a,5,5a,6,11,12a-octahydrotetracene-2-carboxamide hydrochloride	601455-95-2 (Without Salt)	NA	C25H33ClN4O7 (HCl Salt) C25H32N4O7 (Free Base)	537.01 (HCl Salt) 500.55 (Free Base)
621		9-Monomethyl minocycline (RRT 0.85 impurity)		Impurity	AQ-TR-C-663	(4S,12aS)-4,7-bis(dimethylamino)-3,10,12,12a-tetrahydroxy-9-(methylamino)-1,11-dioxo-1,4,4a,5,5a,6,11,12a-octahydrotetracene-2-carboxamide	NA	Minocycline RRT 0.85 impurity	C24H30N4O7	486.53
622		Minocycline related impurity (Impurity RRT 0.88)		Impurity	AQ-TR-C-664	(4S,4aS,5aR,12aS)-4-(dimethylamino)-3,7,10,11,12,12a-hexahydroxy-1-oxo-1,4,4a,5,5a,6,11,11a,12,12a-decahydrotetracene-2-carboxamide	NA	Minocycline Impurity RRT 0.88	C21H26N2O8	434.45

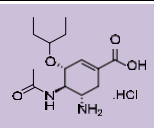
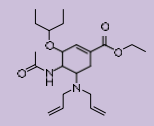
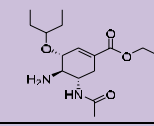
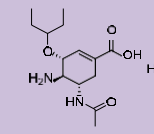
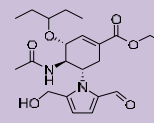
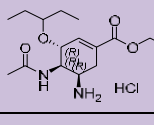
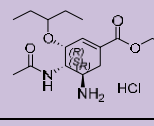
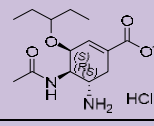
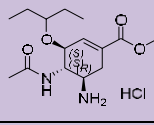
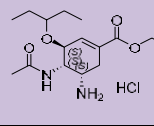
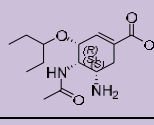
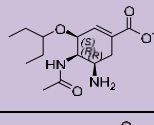
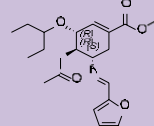
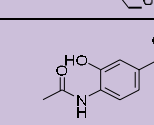
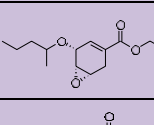
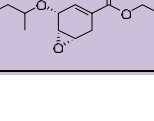
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
623	Minoxidil	2,4-diamino-6-ethoxy pyrimidine		Impurity	AQ-TR-C-038	6-ethoxypyrimidine-2,4-diamine	116436-03-4	NSC 9305	C6H10N4O	154.17
624	Mirabegron	ethyl 3-oxo-3-thioureidopropanoate		Impurity	AQ-TR-C-482	ethyl 3-oxo-3-thioureidopropanoate	NA	Mirabegron Impurity	C6H10N2O3S	190.22
625		2-(2-nitrophenyl)ethane amine		Impurity	AQ-TR-C-484	2-(2-nitrophenyl)ethan-1-amine	NA	O-Nitrophenylethylamine; 2 Nitrobenzene ethanamine; Mirbegron Impurity 24	C8H10N2O2	166.18
626		2-(3-nitrophenyl)ethane amine		Impurity	AQ-TR-C-485	2-(3-nitrophenyl)ethan-1-amine	NA	NA	C8H10N2O2	166.18
627		2-(2,5-dinitrophenyl)ethan-1-amine hydrochloride		Impurity	AQ-TR-C-490	2-(2,5-dinitrophenyl)ethan-1-amine hydrochloride	NA	NA	C8H10ClN3O4	247.64
628		2-(2,3-dinitrophenyl)ethan-1-amine hydrochloride		Impurity	AQ-TR-C-492	2-(2,3-dinitrophenyl)ethan-1-amine hydrochloride	NA	NA	C8H10ClN3O4	247.64
629		2-(3,4-dinitrophenyl)ethan-1-amine		Impurity	AQ-TR-C-509	2-(3,4-dinitrophenyl)ethan-1-amine	NA	NA	C8H9N3O4	211.18
630	Mometasone	Mometasone furoate impurity-T		impurity	AQ-TR-C-1263	(8S,9R,10S,11S,13S,14S,16R,17R)-9-chloro-17-(2-chloroacetyl)-11-hydroxy-10,13,16-trimethyl-3-oxo-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthren-17-yl 5-chlorofuran-2-carboxylate	NA	NA	C27H29Cl3O6	555.87
631	Morpholine Analogue	Morpholine Analogue		Impurity	AQ-TR-C-124	N-(2-aminoethyl)-2,3-dihydro-4H-1,4-oxazine-4-carboxamide oxalate	NA	NA	C9H15N3O6 (Oxalic acid) C7H13N3O2 (Free base)	261.23 (Oxalic acid) 171.20 (Free base)
632	Mycophenolic acid	Mycophenolate Mofetil Related impurity		Impurity	AQ-TR-C-023	2-morpholinoethyl (E)-6-(4-hydroxy-6-methoxy-7-methyl-3-(2-morpholinoethoxy)-1-oxo-1,3-dihydroisobenzofuran-5-yl)-4-methylhex-4-enoate	1094322-91-4	NA	C29H42N2O9	562.66
633		Mycophenolic Hydroxy lactone		Impurity	AQ-TR-C-414	7-hydroxy-6-(2-hydroxy-2-(2-methyl-5-oxotetrahydrofuran-2-yl)ethyl)-5-methoxy-4-methylisobenzofuran-1(3H)-one	26644-06-4	Mycophenolate Mofetil Impurity 4	C17H20O7	336.34
634		Mycophenolic Acid (Mycophenolate sodium)		Impurity	AQ-TR-C-415	(E)-6-(4-hydroxy-6-methoxy-7-methyl-3-oxo-1,3-dihydroisobenzofuran-5-yl)-4-methylhex-4-enoic acid	NA	NA	C17H20O6 (Free Base) C17H19NaO6 (Sodium Salt)	320.34 (Free Base) 342.32 (Sodium Salt)
635		Mycophenolic Acid O-Desmethyl Methyl Ester		impurity	AQ-TR-C-1153	methyl (E)-6-(4,6-dihydroxy-7-methyl-3-oxo-1,3-dihydroisobenzofuran-5-yl)-4-methylhex-4-enoate	33431-38-8	Desmethyl Mycophenolic Acid Methyl Ester, Nor-O-methyl Mycophenolic Acid Methyl Ester	C17H20O6	320.34
636		(R,S,S,R)-Nebivolol		Impurity	AQ-TR-C-318	(1S,1'S)-2,2'-azanediylbis(1-((R)-6-fluorochroman-2-yl)ethan-1-ol)	NA	R 74716, Nebivolol Isomer-1	C22H25F2NO4	405.44
637		(S,R,R,S)-Nebivolol		Impurity	AQ-TR-C-319	(1R,1'R)-2,2'-azanediylbis(1-((S)-6-fluorochroman-2-yl)ethan-1-ol)	NA	R 65260, Nebivolol Isomer-2	C22H25F2NO4	405.44
638		(S,R,S,R)-Nebivolol		Impurity	AQ-TR-C-320	(S)-1-((R)-6-fluorochroman-2-yl)-2-(((R)-2-((S)-6-fluorochroman-2-yl)-2-hydroxyethyl)amino)ethan-1-ol	NA	R 74829, Nebivolol Isomer-3	C22H25F2NO4	405.44
639		(S,R,R,R)-Nebivolol		Impurity	AQ-TR-C-321	(R)-1-((R)-6-fluorochroman-2-yl)-2-(((R)-2-((S)-6-fluorochroman-2-yl)-2-hydroxyethyl)amino)ethan-1-ol	NA	R 67138, Nebivolol Isomer-4, Dexnebivolol, (+)-Nebivolol, d-Nebivolol	C22H25F2NO4	405.44
640		(R,S,S,S)-Nebivolol		Impurity	AQ-TR-C-322	(S)-1-((R)-6-fluorochroman-2-yl)-2-(((S)-2-((S)-6-fluorochroman-2-yl)-2-hydroxyethyl)amino)ethan-1-ol	NA	R 67145, Nebivolol Isomer-5, Levonebivolol, (-)-Nebivolol, l-Nebivolol	C22H25F2NO4	405.44
641		(R,S,R,R)-Nebivolol		Impurity	AQ-TR-C-323	(S)-1-((R)-6-fluorochroman-2-yl)-2-(((R)-2-((R)-6-fluorochroman-2-yl)-2-hydroxyethyl)amino)ethan-1-ol	NA	Nebivolol Isomer-6	C22H25F2NO4	405.44
642		(R,R,R,R)-Nebivolol		Impurity	AQ-TR-C-324	(1R,1'R)-2,2'-azanediylbis(1-((R)-6-fluorochroman-2-yl)ethan-1-ol)	NA	Nebivolol Isomer-7, R74718	C22H25F2NO4	405.44

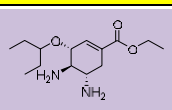
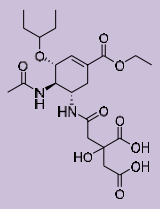
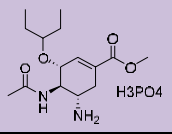
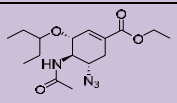
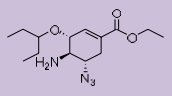
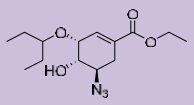
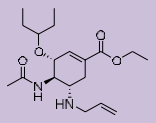
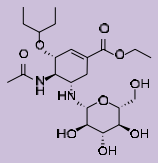
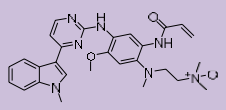
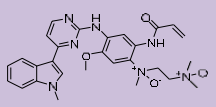
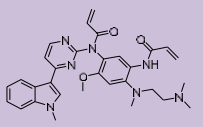
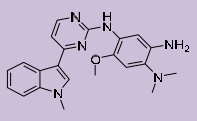
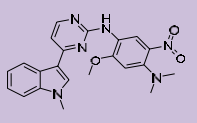
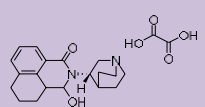
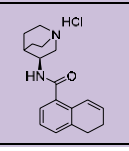
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
643	Nebivolol	(S,R,S,S)-Nebivolol		Impurity	AQ-TR-C-325	(S)-1-((S)-6-fluorochroman-2-yl)-2-((R)-2-((S)-6-fluorochroman-2-yl)-2-hydroxyethyl)amino)ethan-1-ol	NA	Nebivolol Isomer-8, R65825	C22H25F2NO4	405.44
644		(R,R,S,S)-Nebivolol		Impurity	AQ-TR-C-326	(R)-1-((R)-6-fluorochroman-2-yl)-2-((S)-2-((S)-6-fluorochroman-2-yl)-2-hydroxyethyl)amino)ethan-1-ol	NA	Nebivolol Isomer-9, Levonebivolol	C22H25F2NO4	405.44
645		(S,S,S,S)-Nebivolol		Impurity	AQ-TR-C-327	(1S,1'S)-2,2'-azanediylbis(1-((S)-6-fluorochroman-2-yl)ethan-1-ol)	NA	Nebivolol Isomer-10, R74723, Levonebivolol	C22H25F2NO4	405.44
646		1-(3,4-dihydro-2H-chromen-2-yl)-2-(methylamino)ethanol		Impurity	AQ-TR-C-885	1-(chroman-2-yl)-2-(methylamino)ethan-1-ol	1346562-34-2	Nebivolol Impurity	C12H17NO2	207.27
647		Rac Nebivolol		Impurity	AQ-TR-C-881	2,2'-azanediylbis(1-(6-fluorochroman-2-yl)ethan-1-ol)	NA	2,2'-iminobis[1-(6-fluoro-3,4 dihydro-2H-chromen-2-yl)ethanol]	C22H25F2NO4	405.43
648		(R*)-2-(benzylamino)-1-((S*)-6-fluorochroman-2-yl)ethan-1-ol		Impurity	AQ-TR-C-882	(R*)-2-(benzylamino)-1-((S*)-6-fluorochroman-2-yl)ethan-1-ol -rel-	876514-30-6	(±)-[1S*(R*)]-6-Fluoro-3,4-dihydro-α-[[(phenylmethyl)amino]methyl]-2H-1-benzopyran-2-methanol	C18H20FNO2	301.36
649		N-benzyl Nebivolol		Impurity	AQ-TR-C-883	(S)-2-(benzyl((S)-2-((R)-6-fluorochroman-2-yl)-2-hydroxyethyl)amino)-1-((S)-6-fluorochroman-2-yl)ethan-1-ol-rel-	876666-07-8	rac N-Benzyl Nebivolol; rel-(αR,α'R,2R,2'S)-α,α'-[[(Phenylmethyl)imino]bis(methylene)]bis[6-fluoro-3,4-dihydro-2H-1-benzopyran-2-methanol]	C29H31F2NO4	495.56
650		(2S*,2'S*)-Nebivolol Impurity C		Impurity	AQ-TR-C-886	(S)-6-fluoro-2-((S)-oxiran-2-yl)chromane	129050-26-6	NA	C11H11FO	194.2
651		(2S*,2'R*)-Nebivolol Impurity C		impurity	AQ-TR-C-1171	(S)-6-fluoro-2-((R)-oxiran-2-yl)chromane	197706-51-7	(R*,S*)-6-Fluoro-2-(oxiran-2-yl)chroman	C11H11FO2	194.21
652		(R*)-2-(benzylamino)-1-((R*)-6-fluorochroman-2-yl)ethan-1-ol		impurity	AQ-TR-C-925	(R*)-2-(benzylamino)-1-((R*)-6-fluorochroman-2-yl)ethan-1-ol -rel-	897673-07-3	NA	C18H20FNO2	301.36
653	Nicardipine	Nicardipine Impurity (2-MMNOC)		impurity	AQ-TR-C-1107	methyl 3-methyl-3'-nitro-5-oxo-1,2,5,6-tetrahydro-[1,1'-biphenyl]-2-carboxylate	87625-92-1	NA	C15H15NO5	289.29
654		Nicardipine Impurity (4-MMNOC)-Mixture of isomers		impurity	AQ-TR-C-1108	methyl 5-methyl-3'-nitro-3-oxo-1,2,3,6-tetrahydro-[1,1'-biphenyl]-2-carboxylate	2469735-68-8	NA	C15H15NO5	289.29
655	Nicorandil	Oxazoalyl pyridine		Impurity	AQ-TR-C-29	2-(pyridin-3-yl)-4, 5-dihydrooxazole	40055-37-6	NA	C8H8N2O	148.17
656		2-Aminoethyl nicotinate HCl		Impurity	AQ-TR-C-30	2-aminoethyl nicotinate hydrochloride	46053-56-9	NA	C8H11ClN2O2 (HCl Salt) C8H10N2O2 (Free base)	202.64 (HCl Salt) 166.18 (Free base)
657	Nilotinib	Nilotinib Regio isomer (Nilotinib impurity-9)		Impurity	AQ-TR-C-253	4-methyl-N-(3-(5-methyl-1H-imidazol-1-yl)-5-(trifluoromethyl)phenyl)-3-((4-(pyridin-3-yl)pyrimidin-2-yl)amino)benzamide	641571-15-5	NA	C28H22F3N7O	529.53
658		3-(4-methyl-1H-imidazol-1yl)-5-nitrobenzotrifluoride		Impurity	AQ-TR-C-495	4-methyl-1-(3-nitro-5-(trifluoromethyl)phenyl)-1H-imidazole	NA	NA	C11H8F3N3O2	271.2
659		2-Methyl NTB Amine		Impurity	AQ-TR-C-511	3-(4-methyl-1H-imidazol-1-yl)-5-(trifluoromethyl)aniline	641571-11-1	NA	C11H10F3N3	241.22
660		NTB Amine Regio Isomer		Impurity	AQ-TR-C-539	3-(5-methyl-1H-imidazol-1-yl)-5-(trifluoromethyl)aniline	641571-16-6	Nilotinib Impurity 5	C11H10F3N3	241.22

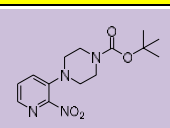
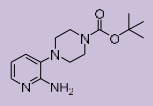
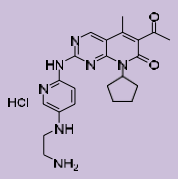
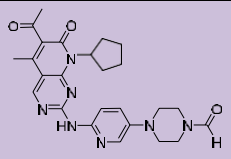
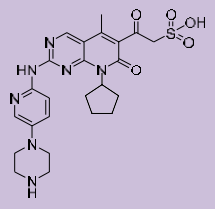
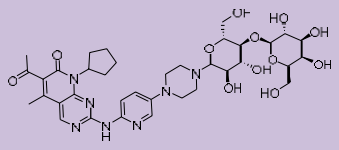
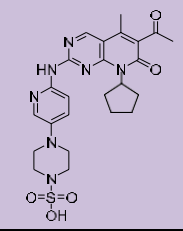
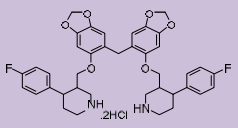
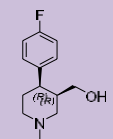
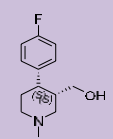
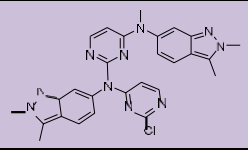
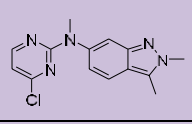
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
661		4-Methyl nitro NTB methanesulfonate		Impurity	AQ-TR-C-540	4-methyl-1-(3-nitro-5-(trifluoromethyl)phenyl)-1H-imidazole methanesulfonate	NA	NA	C12H12F3N3O5S	367.3
662		2,4-Dimethyl NTB Amine		Impurity	AQ-TR-C-541	3-(2,4-dimethyl-1H-imidazol-1-yl)-5-(trifluoromethyl)aniline	2119583-28-5	Nilotinib Impurity	C12H12F3N3	255.24
663		Nilotinib N-Oxide		Impurity	AQ-TR-C-626	3-(2-((2-methyl-5-(3-(5-methyl-1H-imidazol-1-yl)-5-(trifluoromethyl)phenyl)carbamoyl)phenyl)amino)pyrimidin-4-yl)pyridine 1-oxide	1246817-85-5	NA	C28H22F3N7O2	545.53
664	Nintedanib	ETHYL (Z)-3-[[(4-(N-METHYL-2-(4-METHYLPIPERAZINE-1-yl)ACETAMIDO)PHENYL)AMINO)(PHENYL)METHYLENE)-2-OXOINDOLENE-6-CARBOXYLATE		Impurity	AQ-TR-C-543	ethyl (Z)-3-(((4-(N-methyl-2-(4-methylpiperazin-1-yl)acetamido)phenyl)amino)(phenyl)methylene)-2-oxoindoline-6-carboxylate	2295911-98-5	Nintedanib Impurity 24	C32H35N5O4	553.66
665	Nelarabine	Nelarabine Alpha isomer impurity		impurity	AQ-TR-C-1296	(2S,3S,4S,5R)-2-(2-amino-6-methoxy-9H-purin-9-yl)-5-(hydroxymethyl)tetrahydrofuran-3,4-diol	1305196-84-2	NA	C11H15N5O5	297.27
666	Neratinib	Neratinib quinoline N-oxide		Impurity	AQ-TR-C-918	(E)-4-((3-chloro-4-(pyridin-2-ylmethoxy)phenyl)amino)-3-cyano-6-(4-(dimethylamino)but-2-enamido)-7-ethoxyquinoline 1-oxide	NA	NA	C30H29ClN6O4	573.05
667		Neratinib pyridine N-oxide		Impurity	AQ-TR-C-919	(E)-2-((2-chloro-4-((3-cyano-6-(4-(dimethylamino)but-2-enamido)-7-ethoxyquinolin-4-yl)amino)phenoxy)methyl)pyridine 1-oxide	NA	NA	C30H29ClN6O4	573.05
668	Nitroso Compounds	Dibutylnitroasoamine		Impurity	AQ-TR-C-579	N,N-dibutylnitrous amide	924-16-3	NDBA; NSC 6830	C8H18N2O	158.25
669		Dipropyl nitrasoamine		Impurity	AQ-TR-C-580	N,N-dipropylnitrous amide	621-64-7	NSC 133	C6H14N2O	130.19
670		Diisopropyl nitrasoamine		Impurity	AQ-TR-C-581	N,N-diisopropylnitrous amide	601-77-4	NSC 336	C6H14N2O	130.19
671		Dimethylnitrosamine		Impurity	AQ-TR-C-582	N,N-dimethylnitrous amide	62-75-9	DMN; DMNA; NDMA; NSC 23226	C2H6N2O	74.08
672		Ethyl methyl nitrosamine		Impurity	AQ-TR-C-583	N-ethyl-N-methyl nitrous amide	10595-95-6	NEMA	C3H8N2O	88.11
673		4-nitrosomorpholine		Impurity	AQ-TR-C-584	4-nitrosomorpholine	59-89-2	NSC 139	C4H8N2O2	116.12
674		1-nitrosopiperidine		Impurity	AQ-TR-C-585	1-nitrosopiperidine	100-75-4	NPI; NPIP; NSC 138	C5H10N2O	114.15
675		1-nitrosopyrrolidine		Impurity	AQ-TR-C-586	1-nitrosopyrrolidine	930-55-2	NPYR; NSC 18797	C4H8N2O	100.12
676		N-ethyl-N-isopropylnitrous amide		Impurity	AQ-TR-C-588	N-ethyl-N-isopropylnitrous amide	16339-04-1	NA	C5H12N2O	116.16
677		N-Nitroso-N-Methyl-4-Amino butyric acid		Impurity	AQ-TR-C-861	4-(methylnitroso-amino)butanoic acid	61445-55-4	NA	C5H10N2O3	146.15
678		N-Nitrosomethyl isopropyl amine		Impurity	AQ-TR-C-857	N-isopropyl-N-methylnitrous amide	30533-08-5	NA	C4H10N2O	102.14

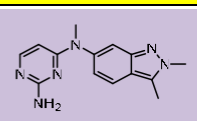
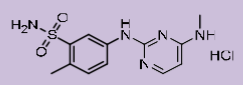
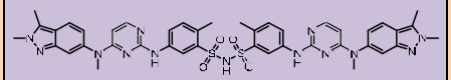
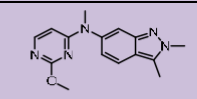
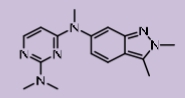
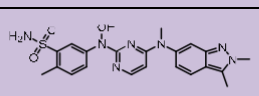
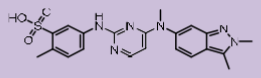
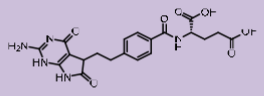
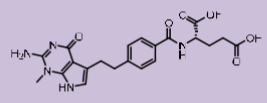
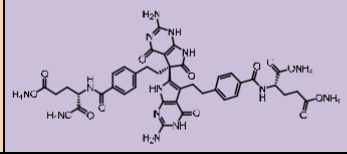
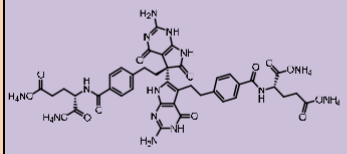
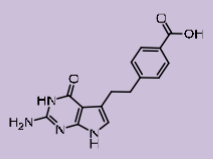
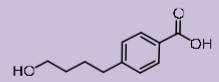
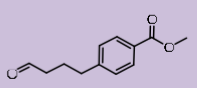
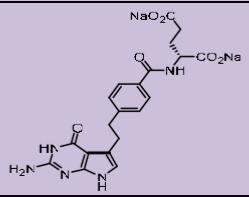
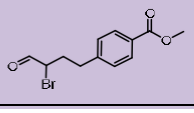
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
679		N-Nitrosomethylphenylamine		Impurity	AQ-TR-C-920	N-methyl-N-phenylnitrous amide	614-00-6	N-Nitroso-N-methylaniline; NSC 137	C7H8N2O	136.15
680		Diethyl Nitrosoamine		Impurity	AQ-TR-C-838	N,N-diethylnitrous amide	55-18-5	N,N-Diethylnitrosoamine; N-Nitroso-N,N-diethylamine; N-Nitrosodiethylamine; DENA NDEA; NSC132; Nitrosodiethylamine; N-Ethyl-N-nitrosoethanamine	C4H10N2O	102.14
681		N,N-Dicyclohexyl nitrous amide		impurity	AQ-TR-C-1076	N,N-dicyclohexylnitrous amide	947-92-2	Ethylbutylnitrosamine	C12H22N2O	210.32
682		N-Nitroso-N-ethylbutylamine		impurity	AQ-TR-C-1077	N-butyl-N-ethylnitrous amide	4549-44-4	Ethylbutylnitrosamin	C6H14N2O	130.19
683	Nitroso Compound	2-Nitro-diphenyl amine (NDPA)		impurity	AQ-TR-C-1080	2-nitrodiphenylamine	119-75-5	NA	C12H10N2O2	214.22
684		N-bis(2-chloroethyl)nitrous amide		impurity	AQ-TR-C-1081	N,N-bis(2-chloroethyl)nitrous amide	67856-68-2	NA	C4H8Cl2N2O	171.02
685		Obeti cholic acid Methyl Ester		Impurity	AQ-TR-C-382	methyl (4R)-4-((3R,6R,7R,10S,13R)-6-ethyl-3,7-dihydroxy-10,13-dimethylhexadecahydro-1H-cyclopenta[a]phenanthren-17-yl)pentanoate	951694-73-8	Obeti cholic acid Methyl Ester	C27H46O4	434.66
686		Obeticholic acid		Impurity	AQ-TR-C-628	(R)-4-((3R,5S,6R,7R,8S,9S,10S,13R,14S,17R)-6-ethyl-3,7-dihydroxy-10,13-dimethylhexadecahydro-1H-cyclopenta[a]phenanthren-17-yl)pentanoic acid	459789-99-2	6-ECDCA; INT 747	C26H44O4	420.63
687	Obeti cholic acid	Stage-III obetic cholic acid		impurity	AQ-TR-C-1181	(4R)-4-((3R,5S,8S,9S,10S,13R,14S)-6-ethyl-3-hydroxy-10,13-dimethyl-7-oxohexadecahydro-1H-cyclopenta[a]phenanthren-17-yl)pentanoic acid	NA	NA	C26H42O4	418.62
688		Obeticholic acid 7-Beta hydroxy isomer		impurity	NA AQ-TR-C-1241	NA				
689		N-Demethyl Olanzapine		Impurity	AQ-TR-C-878	2-methyl-4-(piperazin-1-yl)-10H-benzo[b]thieno[2,3-e][1,4]diazepine	161696-76-0	N-Desmethylolanzapine; LY 170055	C16H18N4S	298.41
690		Olanzapine Related Compound A		Impurity	AQ-TR-C-879	5-methyl-3-((2-nitrophenyl)amino)thiophene-2-carbonitrile	138564-59-7	Olanzapine impurity A	C12H9N3O2S	259.28
691		Olanzapine Related Compound B		Impurity	AQ-TR-C-880	2-methyl-5,10-dihydro-4H-benzo[b]thieno[2,3-e][1,4]diazepin-4-one	221176-49-4	Olanzapine EP Impurity B; Olanzapine Impurity-B; LY 301664	C12H10N2OS	230.29
692		Olanzapine Thiolactam Impurity		Impurity	AQ-TR-C-877	(Z)-1-(4-(4-methylpiperazin-1-yl)-2-thioxo 1,2-dihydro-3H-benzo[b][1,4]diazepin-3-ylidene)propan-2-one	1017241-36-9	NA	C17H20N4OS	328.43
693		Olanzapine BP Impurity-3		Impurity	AQ-TR-C-702	(Z)-4-(4-methylpiperazin-1-yl)-3-(2-oxopropylidene)-1,3-dihydro-2H-benzo[b][1,4]diazepin-2-one	NA	Olanzapine Lactam Impurity; Olanzapine Ketolactam	C17H20N4O2	312.37
694		Olmesartan Dimer Impurity		Impurity	AQ-TR-C-116	1-((2'-(2H-tetrazol-5-yl)-[1,1'-biphenyl]-4-yl)methyl)-4-(2-((1-((2'-(2H-tetrazol-5-yl)-[1,1'-biphenyl]-4-yl)methyl)-4-(2-hydroxypropan-2-yl)-2-propyl-1H-imidazole-5-carbonyl)oxy)propan-2-yl)-2-propyl-1H-imidazole-5-carboxylic acid	1040250-19-8	NA	C48H50N12O5	875.01

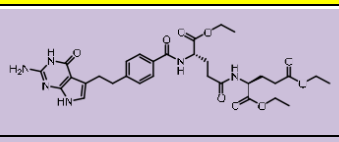
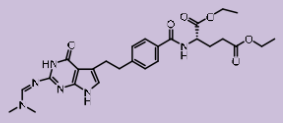
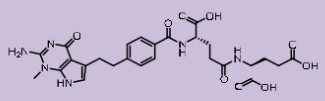
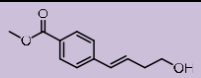
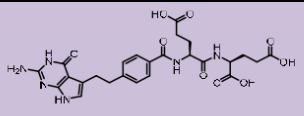
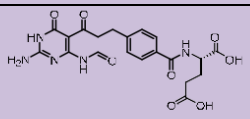
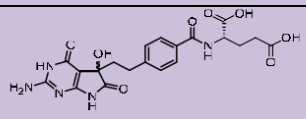
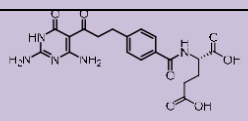
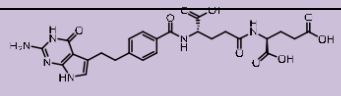
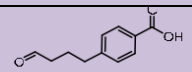
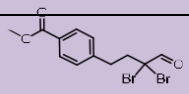
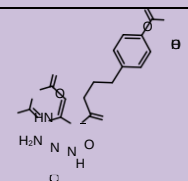
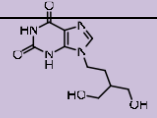
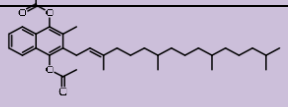
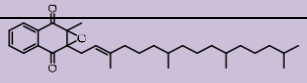
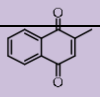
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
695	Olmesartan	Olmesartan Ethyl Ester Impurity		Impurity	AQ-TR-C-073	ethyl 1-((2'-(1H-tetrazol-5-yl)-[1,1'-biphenyl]-4-yl)methyl)-4-(2-hydroxypropan-2-yl)-2-propyl-1H-imidazole-5-carboxylate	144689-23-6	NA	C26H30N6O3	474.57
696		Olmesartan Acid		Impurity	AQ-TR-C-074	1-((2'-(1H-tetrazol-5-yl)-[1,1'-biphenyl]-4-yl)methyl)-4-(2-hydroxypropan-2-yl)-2-propyl-1H-imidazole-5-carboxylic acid	144689-24-7	CS 088; RNH 6270; Olmesartan EP Impurity A	C24H26N6O3	446.51
697		Olmesartan: OMJ-2-Ethyl Impurity		Impurity	AQ-TR-C-690	(5-methyl-2-oxo-1,3-dioxol-4-yl)methyl 2-ethyl-4-(2-hydroxypropan-2-yl)-1-((2'-(2-trityl-2H-tetrazol-5-yl)-[1,1'-biphenyl]-4-yl)methyl)-1H-imidazole-5-carboxylate	NA	NA	C47H42N6O6	786.89
698		Triphenylmethyl chloride		impurity	AQ-TR-C-1264	(chloromethanetriyl)tribenzene 76-83-5	Trityl chloride; NSC 435	C19H15Cl	278.78	
699		4-(chloromethyl)-5-methyl-2-oxo-1,3-dioxolene		impurity	AQ-TR-C-1303	4-(chloromethyl)-5-methyl-1,3-dioxol-2-one	80841-78-7	Olmesartan Medoxomil Impurity;Chloro Derivative Impurity	C5H5ClO3	148.54
700	Olopatadine	Olopatadine E-isomer Hydrochloride		impurity	AQ-TR-C-1265	(E)-2-(11-(3-(dimethylamino)propylidene)-6,11-dihydrodibenzo[b,e]oxepin-2-yl)acetic acid hydrochloride	949141-22-4	trans-Olopatadine hydrochloride	C21H24ClNO3 (HCl salt) C21H23NO3 (Free Base)	373.88 (HCl salt) 337.42 (Free Base)
701		α-Hydroxy Olopatadine Hydrochloride		impurity	AQ-TR-C-1266	(Z)-2-(11-(3-(dimethylamino)propylidene) 6,11-dihydrodibenzo[b,e]oxepin-2-yl)-2-hydroxyacetic acid hydrochloride	1628639-06-4	O-Hydroxy Olopatadine Hydrochloride; Olopatadine USP Related Compound A; Hydroxy Olopatadine; Olopatadine impurity-A	C21H24ClNO4 (HCl Salt) C21H23NO4 (Free Base)	389.87 (HCl Salt) 353.42 (Free Base)
702		Olopatadine Carbaldehyde Hydrochloride		impurity	AQ-TR-C-1267	(Z)-11-(3-(dimethylamino)propylidene)-6,11-dihydrodibenzo[b,e]oxepine-2-carbaldehyde hydrochloride	NA	NA	C20H22ClNO2 (HCl Salt) C20H21NO2 (Free Base)	343.85 (HCl Salt) 307.39 (Free Base)
703	Ondansetron	Ondansetron impurity C		Impurity	AQ-TR-C-820	9-methyl-1,2,3,9-tetrahydro-4H-carbazol-4-one	27387-31-1	NA	C13H13NO	199.25
704		Ondansetron Impurity G		Impurity	AQ-TR-C-821	3-((1H-imidazol-1-yl)methyl)-9-methyl-1,2,3,9-tetrahydro-4H-carbazol-4-one	99614-03-6	NA	C17H17N3O	279.34
705		Ondansetron Related compound - D		Impurity	AQ-TR-C-822	9-methyl-3-methylene-1,2,3,9-tetrahydro 4H-carbazol-4-one	99614-64-9	NA	C14H13NO	211.26
706		Ondansetron Impurity H		impurity	AQ-TR-C-1175	3-((2-methyl-1H-imidazol-1-yl)methyl)-1,2,3,9-tetrahydro-4H-carbazol-4-one	99614-14-9	Desmethylondansetron; N-desmethylondansetron	C17H17N3O	279.34
707	Ormeloxifene	7-Desmethyl +B6+C6:K6+C6:M6+C6 :N6		Impurity	AQ-TR-C-812	(3S,4S)-2,2-dimethyl-3-phenyl-4-(4-(2-(pyrrolidin-1-yl)ethoxy)phenyl)chroman-7-ol	NA	NA	C29H33NO3	443.59
708		Oseltamivir Impurity 9 HCl		Impurity	AQ-TR-C-133	ethyl 5-acetamido-4-(diallylamino)-3-(pentan-3-yloxy)cyclohex-1-ene-1-carboxylate hydrochloride	NA	NA	C22H37ClN2O4 (HCl Salt) C22H36N2O4 (Free base)	429.00 (HCl Salt) 392.54 (Free base)

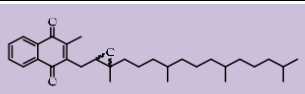
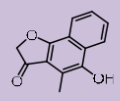
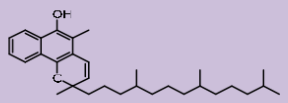
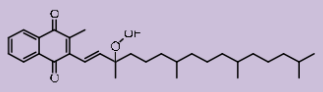
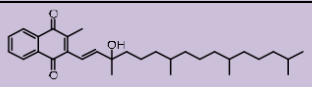
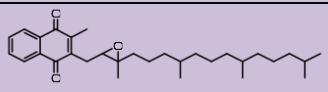
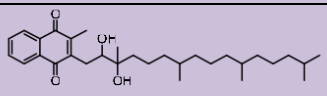
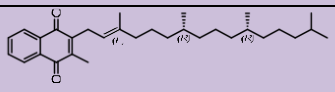
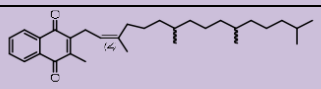
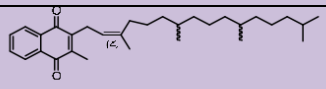
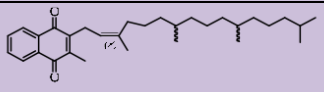
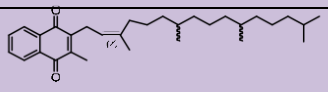
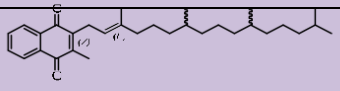
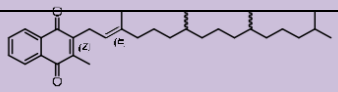
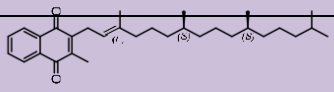
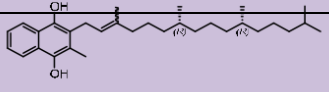
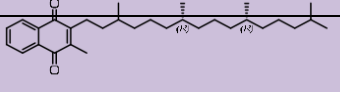
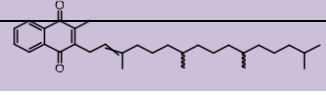
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
709	Oseltamivir	Oseltamivir Carboxylic Acid		Impurity	AQ-TR-C-152	(3R,4R,5S)-4-acetamido-5-amino-3-(pentan-3-yloxy)cyclohex-1-ene-1-carboxylic acid hydrochloride	187227-45-8	GS 4071; Ro 64-0802	C14H25ClN2O4 (HCl Salt) C14H24N2O4 (Free base)	320.81 (HCl Salt) 284.36 (Free base)
710		Oseltamivir impurity-10		Impurity	AQ-TR-C-153	ethyl 4-acetamido-5-(diallylamino)-3-(pentan-3-yloxy)cyclohex-1-ene-1-carboxylate	NA	NA	C22H36N2O4	392.54
711		Oseltamivir Impurity-G		Impurity	AQ-TR-C-198	Ethyl (3R,4R,5S)-5-acetamido-4-amino-3-(pentan-3-yloxy)cyclohex-1-ene-1-carboxylate	956267-10-0	NA	C16H28N2O4	312.41
712		Oseltamivir EP Impurity A Hydrochloride		Impurity	AQ-TR-C-237	(3R,4R,5S)-5-acetamido-4-amino-3-(pentan-3-yloxy)cyclohex-1-ene-1-carboxylic acid hydrochloride	1364932-19-3(freebase)	NA	C14H25ClN2O4 (HCl Salt) C14H24N2O4 (Free base)	320.81 (HCl Salt) 284.36 (Free base)
713		Oseltamivir Impurity-1		Impurity	AQ-TR-C-587	ethyl (3R,4R,5S)-4-acetamido-5-(2-formyl-5-(hydroxymethyl)-1H-pyrrol-1-yl)-3-(pentan-3-yloxy)cyclohex-1-ene-1-carboxylate	NA	NA	C22H32N2O6	420.51
714		(3R,4R,5R)-Oseltamivir hydrochloride		Impurity	AQ-TR-C-640	ethyl (3R,4R,5R)-4-acetamido-5-amino-3-(pentan-3-yloxy)cyclohex-1-ene-1-carboxylate hydrochloride	1402431-91-7 (Free base)	(3R,4R,5R)-Oseltamivir Diastereomer	C16H29ClN2O4 (HCl Salt) C16H28N2O4 (Free base)	348.87 (HCl Salt) 312.41 (Free base)
715		(3R,4S,5R)-Oseltamivir hydrochloride		Impurity	AQ-TR-C-641	ethyl (3R,4S,5R)-4-acetamido-5-amino-3-(pentan-3-yloxy)cyclohex-1-ene-1-carboxylate hydrochloride	941296-96-4 (Free base)	(3R,4S,5R)-Oseltamivir Diastereomer	C16H29ClN2O4 (HCl Salt) C16H28N2O4 (Free base)	348.87 (HCl Salt) 312.41 (Free base)
716		(3S,4R,5S)-Oseltamivir hydrochloride		Impurity	AQ-TR-C-642	ethyl (3S,4R,5S)-4-acetamido-5-amino-3-(pentan-3-yloxy)cyclohex-1-ene-1-carboxylate hydrochloride	2081110-43-0 (Free base)	(3S,4R,5S)- Oseltamivir Diastereomer	C16H29ClN2O4 (HCl Salt) C16H28N2O4 (Free base)	348.87 (HCl Salt) 312.41 (Free base)
717		(3S,4S,5R)-Oseltamivir hydrochloride		Impurity	AQ-TR-C-643	ethyl (3S,4S,5R)-4-acetamido-5-amino-3-(pentan-3-yloxy)cyclohex-1-ene-1-carboxylate hydrochloride	NA	(3S,4S,5R)- Oseltamivir Enantiomer	C16H29ClN2O4 (HCl Salt) C16H28N2O4 (Free base)	348.87 (HCl Salt) 312.41 (Free base)
718		(3S,4S,5S)- Oseltamivir hydrochloride		Impurity	AQ-TR-C-644	ethyl (3S,4S,5S)-4-acetamido-5-amino-3-(pentan-3-yloxy)cyclohex-1-ene-1-carboxylate hydrochloride	NA	NA	C16H29ClN2O4 (HCl Salt) C16H28N2O4 (Free base)	348.87 (HCl Salt) 312.41 (Free base)
719		(3R,4S,5S)-Oseltamivir hydrochloride		Impurity	AQ-TR-C-658	ethyl (3R,4S,5S)-4-acetamido-5-amino-3-(pentan-3-yloxy)cyclohex-1-ene-1-carboxylate	NA	(3R,4S,5S)- Oseltamivir Diastereomer	C16H29ClN2O4 (HCl Salt) C16H28N2O4 (Free base)	348.87 (HCl Salt) 312.41 (Free base)
720		(3S,4R,5R)-Oseltamivir hydrochloride		Impurity	AQ-TR-C-660	ethyl (3S,4R,5R)-4-acetamido-5-amino-3-(pentan-3-yloxy)cyclohex-1-ene-1-carboxylate	NA	(3S,4R,5R)- Oseltamivir Diastereomer	C16H29ClN2O4 (HCl Salt) C16H28N2O4 (Free base)	348.87 (HCl Salt) 312.41 (Free base)
721		(3R,4R,5S)-ethyl -4-acetamido-5-(((E)-(5-(hydroxy methyl)furan 2-yl)methylene)amino)-3-(pentan-3-yloxy)cyclohex-1-ene-1-carboxylate		Impurity	AQ-TR-C-659	ethyl (3R,4R,5S)-4-acetamido-5-(((E)-(5-(hydroxymethyl)furan-2-yl)methylene)amino)-3-(pentan-3-yloxy)cyclohex-1-ene-1-carboxylate	NA	Oseltamivir Impurity-7	C22H32N2O6	420.51
722		Oseltamivir EP Impurity-D		Impurity	AQ-TR-C-[illegible]	ethyl 4-acetamido-3-hydroxybenzoate	1346604-18-9	NA	C11H13NO4	223.23
723		Ethyl (1S, 5R, 6S)-5-(pentan-2-yloxy)-7-oxabicyclo [4.1.0] hept-3-ene-3-carboxylate		impurity	AQ-TR-C-1026	ethyl (1S, 5R, 6S)-5-(pentan-2-yloxy)-7-oxabicyclo [4.1.0] hept-3-ene-3-carboxylate	NA	Oseltamivir impurity 40	C14H22O4	254.32
724		Ethyl (1S, 5R, 6S)-5-(sec- butoxy)-7-oxabicyclo [4.1.0] hept-3-ene-3-carboxylate		impurity	AQ-TR-C-1027	ethyl (1S, 5R, 6S)-5-(sec- butoxy)-7-oxabicyclo [4.1.0] hept-3-ene-3-carboxylate	NA	Oseltamivir impurity 39	C13H20O4	240.3

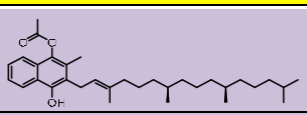
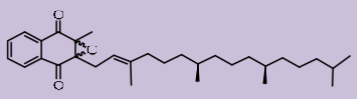
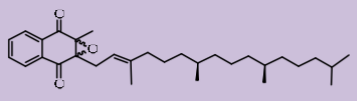
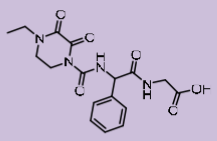
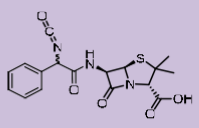
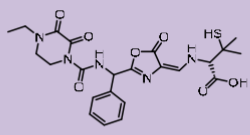
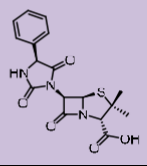
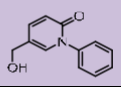
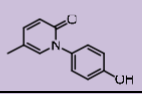
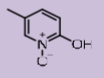
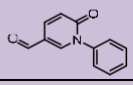
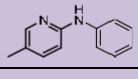
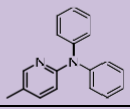
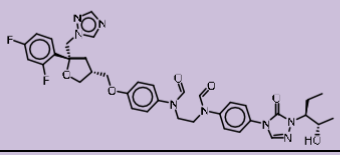
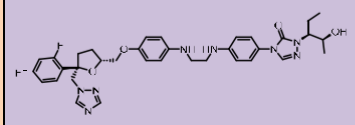
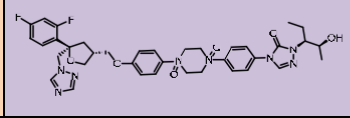
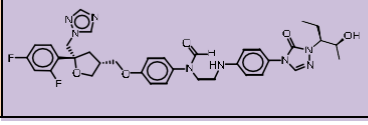
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
725		Oseltamivir Diamine		impurity	AQ-TR-C-1028	ethyl (3R, 4R, 5S)-4, 5-diamino-3-(pentan-3-yloxy) cyclohex-1- ene- 1- carboxylate	212504-89-7	Oseltamivir impurity 15	C14H26N2O3	270.37
726		Oseltamivir citric acid Adduct		Impurity	AQ-TR-C-808	2-(2-(((1S,5R,6R)-6-acetamido-3-(ethoxycarbonyl)-5-(pentan-3-yloxy)cyclohex-3-en-1-yl)amino)-2-oxoethyl)-2-hydroxysuccinic acid	NA	NA	C22H34N2O10	486.52
727		Oseltamivir EP Impurity E		impurity	AQ-TR-C-1080	methyl (3R,4R,5S)-4-acetamido-5-amino-3-(pentan-3-yloxy)cyclohex-1-ene-1-carboxylate Phosphate	NA	Oseltamivir Acid Methyl Ester Phosphate Salt	C15H29N2O8P (Phospate Salt) C15H26N2O4 (Free base)	396.38 (Phospate Salt) 298.38 (Free base)
728		Oseltamivir impurity 61		impurity	AQ-TR-C-1094	ethyl (3R, 4R, 5S)-4-acetamido-5-azido-3-(pentan-3-yloxy) cyclohex-1-ene-1-carboxylate	204255-06-1	5-Azido Oseltamivir	C16H26N4O4	338.41
729		Oseltamivir impurity 60		impurity	AQ-TR-C-1095	ethyl (3R, 4R, 5S)-4-amino-5-azido-3-(pentan-3-yloxy) cyclohex-1- ene- 1-carboxylate	204255-04-9	NA	C14H24N4O3	296.37
730		Oseltamivir impurity 59		impurity	AQ-TR-C-1096	ethyl (3R, 4S, 5R)-5-azido-4-hydroxy-3-(pentan-3-yloxy) cyclohex-1-ene-1-carboxylate	204254-98-8	NA	C14H23N3O4	297.36
731		Oseltamivir Impurity VIII		impurity	AQ-TR-C-1201	ethyl (3R,4R,5S)-4-acetamido-5-(allylamino)-3-(pentan-3-yloxy)cyclohex-1-ene-1-carboxylate	312904-18-0	Oseltamivir Mono Allyl Impurity	C19H32N2O4	352.48
732		Oseltamivir Glucose Adduct-1		impurity	AQ-TR-C-1202	ethyl (3R,4R,5S)-4-acetamido-3-(pentan-3 yloxy)-5-(((2R,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)tetrahydro-2H-pyran-2-yl)amino)cyclohex-1-ene-1-carboxylate	NA	NA	C22H38N2O9	474.55
733	Osimertinib	Osimertinib N-Oxide		Impurity	AQ-TR-C-154	2-((2-acrylamido-5-methoxy-4-((4-(1-methyl-1H-indol-3-yl)pyrimidin-2-yl)amino)phenyl)(methyl)amino)-N,N-dimethylethan-1-amine oxide	1975982-94-5	Osimertinib Impurity M	C28H33N7O3	515.62
734		Osimertinib N,N'-Dioxide		Impurity	AQ-TR-C-155	N1-(2-acrylamido-5-methoxy-4-((4-(1-methyl-1H-indol-3-yl)pyrimidin-2-yl)amino)phenyl)-N1,N2,N2-trimethylethane-1,2-diamine dioxide	NA	Osimertinib Impurity Q	C28H33N7O4	531.62
735		Osimertinib Impurity N		Impurity	AQ-TR-C-156	N-(5-acrylamido-4-((2-(dimethylamino)ethyl)(methyl)amino)-2-methoxyphenyl)-N-(4-(1-methyl-1H-indol-3-yl)pyrimidin-2-yl)acrylamide	1932710-29-6	NA	C31H35N7O3	553.67
736		Osimertinib Impurity-I		Impurity	AQ-TR-C-629	5-methoxy-N1,N1-dimethyl-N4-(4-(1-methyl-1H-indol-3-yl)pyrimidin-2-yl)benzene-1,2,4-triamine	1801616-92-1	AZD9291 Impurity-I	C22H24N6O	388.48
737		Osimertinib Impurity-J		Impurity	AQ-TR-C-630	2-methoxy-N4,N4-dimethyl-N1-(4-(1-methyl-1H-indol-3-yl)pyrimidin-2-yl)-5-nitrobenzene-1,4-diamine	1820891-36-8	AZD9291 Impurity-J	C22H22N6O3	418.46
738	Palonosetron	3-hydroxy-2-((S)-quinuclidin-3-yl)-2,3,3a,4,5,6-hexahydro-1H-benzo[de]isoquinolin-1-one - Oxalate Salt		Impurity	AQ-TR-C-738	3-hydroxy-2-((S)-quinuclidin-3-yl)-2,3,3a,4,5,6-hexahydro-1H-benzo[de]isoquinolin-1-one oxalate	NA	Palonosetron impurity	C21H26N2O6 (Salt) C19H24N2O2 (Free base)	402.45 (Salt) 312.41 (Free base)
739		Palonosetron Dehydro PAS-2		impurity	AQ-TR-C-1122	(S)-N-(quinuclidin-3-yl)-5,6-dihydronaphthalene-1-carboxamide hydrochloride	1227162-75-5	N-((S)-1-Azabicyclo[2.2.2]oct-3-yl)-5,6-dihydro-1-naphthalene carboxamide hydrochloride	C18H22N2O (Free Base) C18H23ClN2O (HCl Salt)	282.39 (Free Base) 318.85 (HCl Salt)

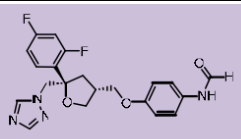
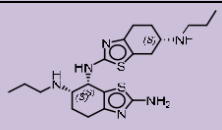
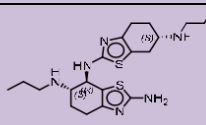
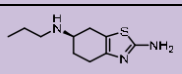
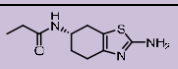
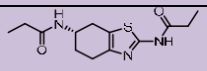
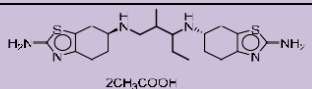
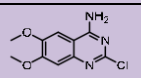
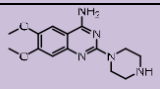
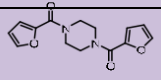
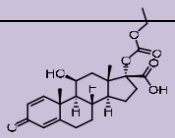
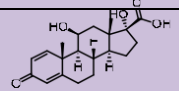
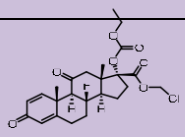
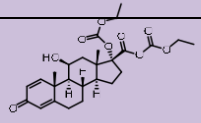
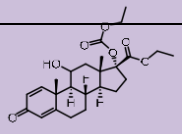
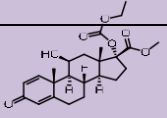
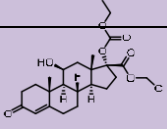
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
740	Palbociclib	PBC Amine nitro impurity		Impurity	AQ-TR-C-451	tert-butyl 4-(2-nitropyridin-3-yl)piperazine-1-carboxylate	NA	NA	C14H20N4O4	308.34
741		PBC Amine Isomer Impurity		Impurity	AQ-TR-C-452	tert-butyl 4-(2-aminopyridin-3-yl)piperazine-1-carboxylate	1023594-49-1	PBC Amine Impurity	C14H22N4O2	278.36
742		Palbociclib-N-Alkylation Impurity+C10:C12		Impurity	AQ-TR-C-698	6-acetyl-2-((5-((2-aminoethyl)amino)pyridin-2-yl)amino)-8-cyclopentyl-5-methylpyrido[2,3-d]pyrimidin-7(8H)-one hydrochloride	NA	NA	C22H28ClN7O2 (HCl Salt) C22H27N7O2 (Free base)	457.96 (HCl Salt) 421.51 (Free base)
743		Palbociclib-N-Formyl Impurity		Impurity	AQ-TR-C-699	4-(6-((6-acetyl-8-cyclopentyl-5-methyl-7-oxo-7,8-dihydropyrido[2,3-d]pyrimidin-2-yl)amino)pyridin-3-yl)piperazine-1-carbaldehyde	2174002-16-3	N-Formyl Palbociclib	C25H29N7O3	475.55
744		Palbociclib 2-Oxoethane-1-sulfonic acid		Impurity	AQ-TR-C-700	2-(8-cyclopentyl-5-methyl-7-oxo-2-((5-(piperazin-1-yl)pyridin-2-yl)amino)-7,8-dihydropyrido[2,3-d]pyrimidin-6-yl)-2-oxoethane-1-sulfonic acid	NA	NA	C24H29N7O5S	527.6
745		Palbociclib Glycosamine		Impurity	AQ-TR-C-701	6-acetyl-8-cyclopentyl-2-((5-((4-((3R,4R,5S,6R)-3,4-dihydroxy-6-(hydroxymethyl)-5-(((2S,3R,4S,5R,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)tetrahydro-2H-pyran-2-yl)oxy)tetrahydro-2H-pyran-2-yl)piperazin-1-yl)pyridin-2-yl)amino)-5-methylpyrido[2,3-d]pyrimidin-7(8H)-one	NA	Lactose adduct-1	C36H49N7O12	771.83
746		Palbociclib Sulphonation Impurity		Impurity	AQ-TR-C-724	4-(6-((6-acetyl-8-cyclopentyl-5-methyl-7-oxo-7,8-dihydropyrido[2,3-d]pyrimidin-2-yl)amino)pyridin-3-yl)piperazine-1-sulfonic acid	2204863-10-3	Palbociclib Sulfamic Acid	C24H29N7O5S	527.6
747	Paroxetine	Paroxetine Hemihydrate EP impurity-F		Impurity	AQ-TR-C-501	bis(6-((4-(4-fluorophenyl)piperidin-3-yl)methoxy)benzo[d][1,3]dioxol-5-yl)methane dihydrochloride	06968-05-2 (Free base)	NA	C39H40F2N2O6 (Free Base) C39H42Cl2F2N2O6 (HCl Salt)	670.75 (Free Base) 743.67 (HCl Salt)
748		((3R,4R)-4-(4-fluorophenyl)-1-methylpiperidin-3-yl)methanol		Impurity	AQ-TR-C-645	((3R,4R)-4-(4-fluorophenyl)-1-methylpiperidin-3-yl)methanol	100332-12-5	Cis Paroxetine N-Methyl Impurity RR isomer	C13H18FNO	223.29
749		((3S,4S)-4-(4-fluorophenyl)-1-methylpiperidin-3-yl)methanol		Impurity	AQ-TR-C-646	((3S,4S)-4-(4-fluorophenyl)-1-methylpiperidin-3-yl)methanol	100332-20-5	Cis Paroxetine N-Methyl Impurity SS isomer	C13H18FNO	223.29
750		PAZ-IMPURITY 1		Impurity	AQ-TR-C-779	2,4-Pyrimidinediamine, N2-(2-chloro-4-pyrimidinyl)-N2,N4-bis(2,3-dimethyl-2H-indazol-6-yl)-N4-methyl-	1252927-44-8	Pazopanib impurity 1	C27H25ClN10	525.02
751		PAZ-IMPURITY 2		Impurity	AQ-TR-C-780	N-(4-chloropyrimidin-2-yl)-N,2,3-trimethyl-2H-indazol-6-amine	1252927-45-9	Pazopanib impurity 2	C14H14ClN5	287.75

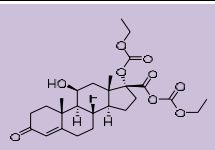
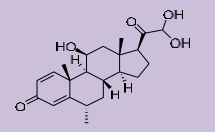
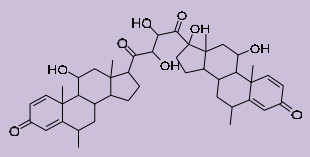
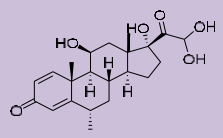
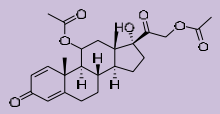
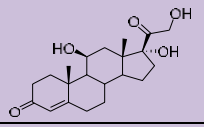
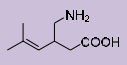
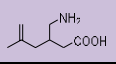
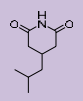
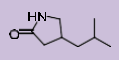
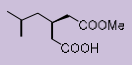
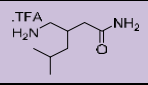
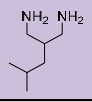
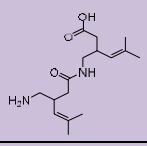
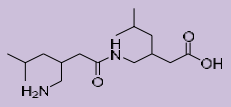
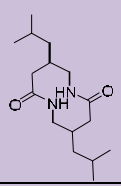
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
752	Pazopanib	PAZ-IMPURITY 3		Impurity	AQ-TR-C-781	N4-(2,3-dimethyl-2H-indazol-6-yl)-N4-methylpyrimidine-2,4-diamine	1821666-71-0	Pazopanib impurity 3	C14H16N6	268.32
753		PAZ-IMPURITY 4		Impurity	AQ-TR-C-782	2-methyl-5-((4-(methylamino)pyrimidin-2-yl)amino)benzenesulfonamide hydrochloride	1821666-70-9 (Free base)	Pazopanib impurity 4	C12H16ClN5O2S (HCl Salt) C12H15N5O2S (Free base)	329.80 (HCl Salt) 293.35 (Free base)
754		Pazopanib Dimer		Impurity	AQ-TR-C-783	5-((4-((2,3-dimethyl-2H-indazol-6-yl)(methyl)amino)pyrimidin-2-yl)amino)-N-((5-((4-((2,3-dimethyl-2H-indazol-6-yl)(methyl)amino)pyrimidin-2-yl)amino)-2-methylphenyl)sulfonyl)-2-methylbenzenesulfonamide	2095544-42-4	NA	C42H43N13O4S2	858.01
755		Pazopanib Impurity 9		Impurity	AQ-TR-C-819	N-(2-methoxypyrimidin-4-yl)-N,2,3-trimethyl-2H-indazol-6-amine	1296888-47-5	NA	C15H17N5O	283.34
756		N4-(2,3-dimethyl-2H-indazol-6-yl)-N2,N2,N4 trimethylpyrimidine-2,4-diamine		Impurity	AQ-TR-C-921	N4-(2,3-dimethyl-2H-indazol-6-yl)-N2,N2,N4-trimethylpyrimidine-2,4-diamine	1296888-46-4	Pazopanib impurity	C16H20N6	296.38
757		Pazopanib N-oxide (RRT-0.70)		impurity	AQ-TR-C-962	5-((4-((2,3-dimethyl-2H-indazol-6-yl)(methyl)amino)pyrimidin-2-yl)(hydroxy)amino)-2-methylbenzenesulfonamide	NA	NA	C21H23N7O3S	453.52
758		Pazopanib impurity B		impurity	AQ-TR-C-1231	5-((4-((2,3-dimethyl-2H-indazol-6-yl)(methyl)amino)pyrimidin-2-yl)amino)-2-methylbenzenesulfonic acid	NA	NA	C21H22N6O3S	438.51
759		Ketopemetrexed		Impurity	AQ-TR-C-157	(4-(2-(2-amino-4,6-dioxo-4,5,6,7-tetrahydro-1H-pyrrolo[2,3-d]pyrimidin-5-yl)ethyl)benzoyl)-L-glutamic acid	193281-00-4	LY 338979	C20H21N5O7	443.42
760		Pemetrexed EP Impurity A		Impurity	AQ-TR-C-158	(4-(2-(2-amino-1-methyl-4-oxo-4,7-dihydro-1H-pyrrolo[2,3-d]pyrimidin-5-yl)ethyl)benzoyl)-L-glutamic acid	869791-42-4	NA	C21H23N5O6	441.44
761		Pemetrexed Impurity B		Impurity	AQ-TR-C-203	(2S,2'S)-2,2'-((4,4'-((R)-2,2'-diamino-4,4',6-trioxo-1,4,4',6,7,7'-hexahydro-3'H,5H-[5,6'-bipyrrolo[2,3-d]pyrimidine]-5,5'-diyl)bis(ethane-2,1-diyl))bis(benzoyl))bis(azanediyl))diglutaric acid	NA	Pemetrexed-(R)-Dimer	C40H40N10O13	868.82
762		Pemetrexed Impurity C		Impurity	AQ-TR-C-204	(2S,2'S)-2,2'-((4,4'-((S)-2,2'-diamino-4,4',6-trioxo-1,4,4',6,7,7'-hexahydro-3'H,5H-[5,6'-bipyrrolo[2,3-d]pyrimidine]-5,5'-diyl)bis(ethane-2,1-diyl))bis(benzoyl))bis(azanediyl))diglutaric acid	NA	Pemetrexed-(S)-Dimer	C40H40N10O13	868.82
763		Pemetrexed des-glutamate		Impurity	AQ-TR-C-367	4-(2-(2-amino-4-oxo-4,7-dihydro-3H-pyrrolo[2,3-d]pyrimidin-5-yl)ethyl)benzoic acid	137281-39-1	Pemetrexed Impurity-11; Premetrexed Acid	C15H14N4O3	298.3
764		4-(4-hydroxybutyl) benzoic acid		Impurity	AQ-TR-C-387	4-(4-hydroxybutyl)benzoic acid	58973-64-1	NA	C11H14O3	194.23
765		methyl 4-(4-oxobutyl)benzoate		Impurity	AQ-TR-C-388	methyl 4-(4-oxobutyl)benzoate	106200-41-3	NA	C12H14O3	206.24
766		Pemetrexed EP Imp-E		Impurity	AQ-TR-C-389	sodium (3-(2-(2-amino-4-oxo-4,7-dihydro-3H-pyrrolo[2,3-d]pyrimidin-5-yl)ethyl)benzoyl)-D-glutamate	NA	NA	C20H19N5Na2O6	471.38
767		(RS)-4-(3-Bromo-4-oxobutyl)benzoicacid Methyl Ester		Impurity	AQ-TR-C-410	methyl 4-(3-bromo-4-oxobutyl)benzoate	155405-79-1	NA	C12H13BrO 3	285.13

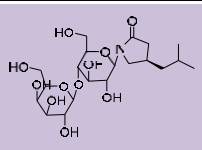
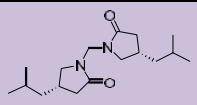
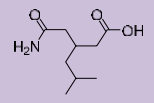
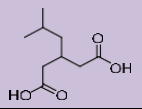
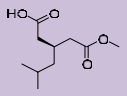
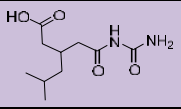
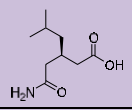
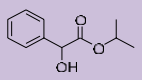
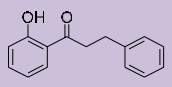
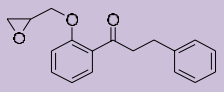
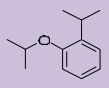
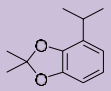
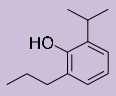
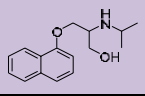
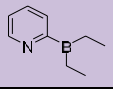
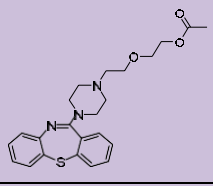
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
768	Pemetrexed	Tri Ethyl Ester		Impurity	AQ-TR-C-417	diethyl ((S)-4-(4-(2-(2-amino-4-oxo-4,7-dihydro-3H-pyrrolo[2,3-d]pyrimidin-5-yl)ethyl)benzamido)-5-ethoxy-5-oxopentanoyl)-L-glutamate	1415407-84-9	NA	C31H40N6O9	640.69
769		PMD-Diester DMF Complex		Impurity	AQ-TR-C-418	diethyl (Z)-(4-(2-(2-(((dimethylamino)methylene)amino)-4-oxo-4,7-dihydro-3H-pyrrolo[2,3-d]pyrimidin-5-yl)ethyl)benzoyl)-L-glutamate	1802552-05-1	NA	C27H34N6O6	538.61
770		N-Methyl Triacid		Impurity	AQ-TR-C-442	((S)-4-(4-(2-(2-amino-1-methyl-4-oxo-4,7-dihydro-1H-pyrrolo[2,3-d]pyrimidin-5-yl)ethyl)benzamido)-4-carboxybutanoyl)-L-glutamic acid	NA	NA	C26H30N6O9	570.56
771		PMD acid Butem Impurity		Impurity	AQ-TR-C-444	methyl (E/Z)-4-(4-hydroxybut-1-en-1-yl)benzoate	240407-06-1	NA	C12H14O3	206.24
772		Pemetrexed α-Dipeptide Impurity		Impurity	AQ-TR-C-463	(4-(2-(2-amino-4-oxo-4,7-dihydro-3H-pyrrolo[2,3-d]pyrimidin-5-yl)ethyl)benzoyl)-L-glutamyl-L-glutamic acid	883553-87-5	NA	C25H28N6O9	556.53
773		Ring opened keto-formamide		Impurity	AQ-TR-C-464	(4-(3-(2-amino-4-formamido-6-oxo-1,6-dihydropyrimidin-5-yl)-3-oxopropyl)benzoyl)-L-glutamic acid	869791-42-4	Pemetrexed Impurity 20; Pemetrexed Seco-indolone	C20H21N5O8	459.42
774		Alpha Hydroxy Lactams		Impurity	AQ-TR-C-419	(4-(2-(2-amino-5-hydroxy-4,6-dioxo-4,5,6,7-tetrahydro-3H-pyrrolo[2,3-d]pyrimidin-5-yl)ethyl)benzoyl)-L-glutamic acid	1644286-36-1	Pemetrexed Impurity 24	C20H21N5O8	459.42
775		Ring opened keto-Amine		Impurity	AQ-TR-C-420	(4-(3-(2,4-diamino-6-oxo-1,6-dihydropyrimidin-5-yl)-3-oxopropyl)benzoyl)-L-glutamic acid	193281-05-9	Pemetrexed Impurity 13, LY 368962	C19H21N5O7	431.41
776		Pemetrexed EP Impurity-D		Impurity	AQ-TR-C-544	((S)-4-(4-(2-(2-amino-4-oxo-4,7-dihydro-3H-pyrrolo[2,3-d]pyrimidin-5-yl)ethyl)benzamido)-4-carboxybutanoyl)-L-glutamic acid	144051-68-3	NA	C25H28N6O9	556.53
777		4-(4-oxobutyl) benzoic acid		Impurity	AQ-TR-C-588	4-(4-oxobutyl)benzoic acid	1006656-82-1	NA	C11H12O3	192.21
778		Methyl 4-(3,3-Dibromo-4-oxobutyl) benzoate		Impurity	AQ-TR-C-589	methyl 4-(3,3-dibromo-4-oxobutyl)benzoate	1320346-37-9	NA	C12H12Br2O3	364.03
779		PMD acid oxidation Impurity		Impurity	AQ-TR-C-590	4-(2-(2-amino-4,6-dioxo-4,5,6,7-tetrahydro-3H-pyrrolo[2,3-d]pyrimidin-5-yl)ethyl)benzoic acid	193265-47-3	Pemetrexed acid oxo Impurity; Pemetrexed Impurity-16	C15H14N4O4	314.3
780	Penciclovir	9-[4-hydroxy-3-(hydroxymethyl) butyl]-3,9-dihydro-1H-purine-2,6-dione		impurity	AQ-TR-C-1160	9-(4-hydroxy-3-(hydroxymethyl)butyl)-3,9-dihydro-1H-purine-2,6-dione	108970-74-7	NA	C10H14N4O4	254.25
781		Trans Phytonadione acetyl Impurity		Impurity	AQ-TR-C-117	(E)-2-methyl-3-(3,7,11,15-tetramethylhexadec-2-en-1-yl)naphthalene-1,4-diyl diacetate	NA	NA	C35H52O4	536.8
782		Phytonadione Epoxy Impurity / 2,3-Epoxide Vitamin K1		Impurity	AQ-TR-C-118	(E)-1a-methyl-7a-(3,7,11,15-tetramethylhexadec-2-en-1-yl)-1a,7a-dihydronaphtho[2,3-b]oxirene-2,7-dione	1588773-08-3	NA	C31H46O3	466.71
783		Phytonadione Impurity A		Impurity	AQ-TR-C-119	2-methylnaphthalene-1,4-dione	58-27-5	NA	C11H8O2	172.18

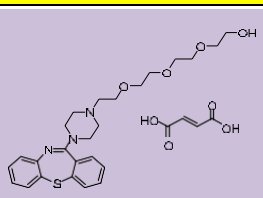
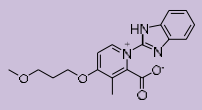
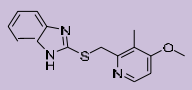
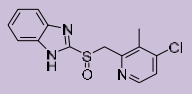
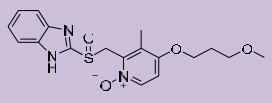
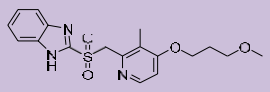
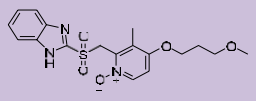
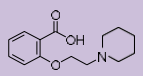
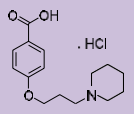
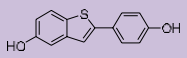
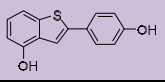
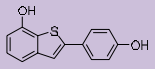
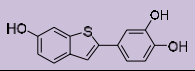
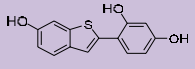
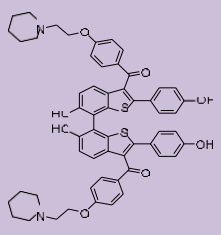
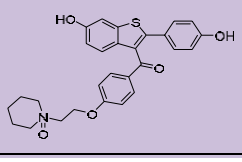
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
784	Phytonadione	Phytonadione epoxy Impurity (Mixture of Trans and Cis)		Impurity	AQ-TR-C-091	2-methyl-3-(2-[2-methyl-3-(4,8,11-trimethyldodecyl)oxiran-2-yl]ethyl)naphthalene-1,4-dione	NA	NA	C31H46O3	466.71
785		Vitamin K1 Related Compound-1		Impurity	AQ-TR-C-205	5-hydroxy-4-methylnaphtho[1,2-b]furan-3(2H)-one	NA	NA	C13H10O3	214.22
786		Phytonadione related impurity		Impurity	AQ-TR-C-182	2,5-dimethyl-2-(4,8,12-trimethyltridecyl)-2H-benzo[h]chromen-6-ol	NA	NA	C31H46O2	450.71
787		Phytonadione Photodegradation Impurity / Vitamin K1 Hydroperoxide		Impurity	AQ-TR-C-042	(E)-2-(3-hydroperoxy-3,7,11,15-tetramethylhexadec-1-en-1-yl)-3-methylnaphthalene-1,4-dione	NA	NA	C31H46O4	482.71
788		Phytonadione Thermal Degradation Impurity / Vitamin K1 Impurity H		Impurity	AQ-TR-C-043	(E)-2-(3-hydroxy-3,7,11,15-tetramethylhexadec-1-en-1-yl)-3-methylnaphthalene-1,4-dione	15576-40-6	NA	C31H46O3	466.71
789		Trans Phytonadione Epoxy Impurity		Impurity	AQ-TR-C-044	2-methyl-3-((3-methyl-3-(4,8,12-trimethyltridecyl)oxiran-2-yl)methyl)naphthalene-1,4-dione	NA	NA	C31H46O3	466.71
790		Phytonadione Diol Impurrity		Impurity	AQ-TR-C-045	2-(2,3-dihydroxy-3,7,11,15-tetramethylhexadecyl)-3-methylnaphthalene-1,4-dione	NA	NA	C31H48O4	484.72
791		Phytonadione		Impurity	AQ-TR-C-421	2-methyl-3-((7R,11R,E)-3,7,11,15-tetramethylhexadec-2-en-1-yl)naphthalene-1,4-dione	NA	Trans Phytonadione; Phytonadione R,R-Trans Isomer	C31H46O2	450.71
792		Phytonadione Cis-I		Impurity	AQ-TR-C-422	(Z)-2-methyl-3-(3,7,11,15-tetramethylhexadec-2-en-1-yl)naphthalene-1,4-dione	NA	Phytonadione Cis-I Impurity	C31H46O2	450.71
793		Phytonadione Cis-II		Impurity	AQ-TR-C-423	(Z)-2-methyl-3-(3,7,11,15-tetramethylhexadec-2-en-1-yl)naphthalene-1,4-dione	NA	Phytonadione Cis-II Impurity	C31H46O2	450.71
794		Phytonadione Cis-III		Impurity	AQ-TR-C-424	(Z)-2-methyl-3-(3,7,11,15-tetramethylhexadec-2-en-1-yl)naphthalene-1,4-dione	NA	Phytonadione Cis-III Impurity	C31H46O2	450.71
795		Phytonadione Cis-IV		Impurity	AQ-TR-C-425	(Z)-2-methyl-3-(3,7,11,15-tetramethylhexadec-2-en-1-yl)naphthalene-1,4-dione	NA	Phytonadione Cis-IV Impurity	C31H46O2	450.71
796		Phytonadione Trans-I		Impurity	AQ-TR-C-426	(E)-2-methyl-3-(3,7,11,15-tetramethylhexadec-2-en-1-yl)naphthalene-1,4-dione	NA	Tran-Phytonadione-Daistereomer-1	C31H46O2	450.71
797		Phytonadione Trans-III		Impurity	AQ-TR-C-427	(E)-2-methyl-3-(3,7,11,15-tetramethylhexadec-2-en-1-yl)naphthalene-1,4-dione	NA	Tran-Phytonadione-Daistereomer-1	C31H46O2	450.71
798		Phytonadione Trans-IV		Impurity	AQ-TR-C-428	2-methyl-3-((7S,11S,E)-3,7,11,15-tetramethylhexadec-2-en-1-yl)naphthalene-1,4-dione	NA	Tran-Phytonadione-Enantiomer or S,S-Trans Isomer	C31H46O2	450.71
799		Dihydro vitamin K1		Impurity	AQ-TR-C-450	2-methyl-3-((7R,11R)-3,7,11,15-tetramethylhexadec-2-en-1-yl)naphthalene-1,4-diol	572-96-3	Phylloquinone; dihydro-Phytonadiol; Reduced phylloquinone; Vitamin K1 hydroquinone; α-Phyllohydroquinone	C31H48O2	452.72
800		β,γ-Dihydro vitamin K1		Impurity	AQ-TR-C-518	2-methyl-3-((7R,11R)-3,7,11,15-tetramethylhexadecyl)naphthalene-1,4-dione	1217521-73-7	Dihydro Phytonadione	C31H48O2	452.72
801		Phytonadione (Mixture of Trans Racemic & Cis Racemic) Mixture of eight isomers		Impurity	AQ-TR-C-631	2-methyl-3-(3,7,11,15-tetramethylhexadec-2-en-1-yl)-naphthalene-1,4-dione	NA	NA	C31H46O2	450.71

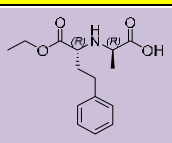
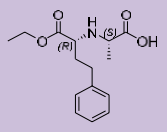
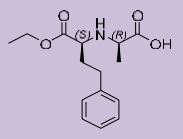
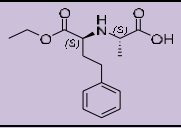
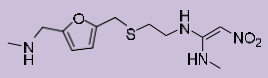
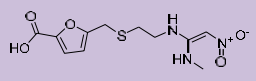
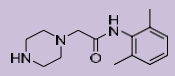
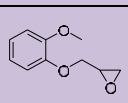
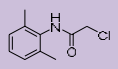
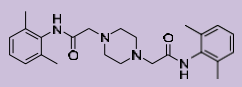
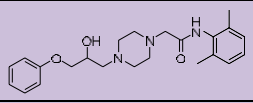
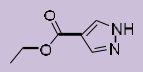
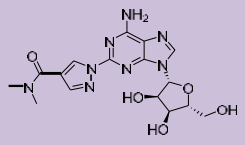
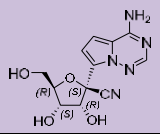
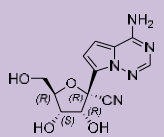
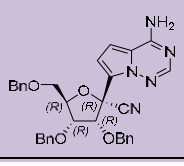
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
802		Vitamin K1 Related Compound 5		Impurity	AQ-TR-C-669	4-hydroxy-2-methyl-3-((7R,11R,E)-3,7,11,15-tetramethylhexadec-2-en-1-yl)naphthalen-1-yl acetate	50281-47-5	NA	C33H50O3	494.76
803		2,3-Epoxide Vitamin K1 Isomer-I		impurity	AQ-TR-C-1158	1a-methyl-7a-((7R,11R,E)-3,7,11,15-tetramethylhexadec-2-en-1-yl)-1a,7a-dihydronaphtho[2,3-b]oxirene-2,7-dione	NA	Trans Epoxy phytonadione isomer-I; Trans Epoxy phytomenadione isomer-I	C31H46O3	466.71
804		2,3-Epoxide Vitamin K1 Isomer-II		impurity	AQ-TR-C-1159	1a-methyl-7a-((7R,11R,E)-3,7,11,15-tetramethylhexadec-2-en-1-yl)-1a,7a-dihydronaphtho[2,3-b]oxirene-2,7-dione	NA	Trans Epoxy phytonadione isomer-II; Trans Epoxy phytomenadione isomer-II	C31H46O3	466.71
805	Piperacillin	Piperacillin Impurity PNO VI-1258631		Impurity	AQ-TR-C-081	(2-(4-ethyl-2,3-dioxopiperazine-1-carboxamido)-2-phenylacetyl)glycine	NA	NA	C17H20N4O6	376.37
806		Piperacillin Impurity VII-131,175		Impurity	AQ-TR-C-082	(2S,5R,6R)-6-(2-isocyanato-2-phenylacetamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid	NA	NA	C17H17N3O5S	375.4
807		Piperacillin impurity PNO CL-115428		Impurity	AQ-TR-C-106	(2S)-2-(((E)-(2-((4-ethyl-2,3-dioxopiperazine-1-carboxamido)(phenyl)methyl)-5-oxooxazol-4(5H)-ylidene)methyl)amino)-3-mercapto-3-methylbutanoic acid	NA	NA	C23H27N5O7S	517.56
808		(2S,5R,6R)-6-((S)-2,5-dioxo-4-phenylimidazolidin-1-yl)-3,3-dimethyl-7-oxo 4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid		impurity	AQ-TR-C-1215	(2S,5R,6R)-6-((S)-2,5-dioxo-4-phenylimidazolidin-1-yl)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid	NA	NA	C17H17N3O5S	375.40
809	Pirfenidone	5-(Hydroxymethyl)-1-phenyl-2(1H)-pyridinone		Impurity	AQ-TR-C-545	5-(hydroxymethyl)-1-phenylpyridin-2(1H)-one	887406-49-7	5-Hydroxymethyl Pirfenidone	C12H11NO2	201.23
810		N-(4-Hydroxyphenyl)-5-Methyl-2-1H-Pyridone		Impurity	AQ-TR-C-546	1-(4-hydroxyphenyl)-5-methylpyridin-2(1H)-one	851518-71-3	F 351	C12H11NO2	201.23
811		2 Hydroxy-5-methylpyridine-N-Oxide		Impurity	AQ-TR-C-691	2-hydroxy-5-methylpyridine 1-oxide	NA	Pirfenidone Impurity	C6H7NO2	125.13
812		3-pyridine carboxaldehyde,1,6-dihydro-6-oxo-1-phenyl-		Impurity	AQ-TR-C-600	6-oxo-1-phenyl-1,6-dihydropyridine-3-carbaldehyde	914918-78-8	Pirfenidone Aldehyde Impurity	C12H9NO2	199.21
813		5-methyl-N-phenylpyridin-2-amine+C26:N26		Impurity	AQ-TR-C-74	5-methyl-N-phenylpyridin-2-amine	43191-23-7	Pirfenidone Impurity; 5-Methyl-2-anilinopyridine	C12H12N2	184.24
814		5-Methyl-N,N diphenylpyridin-2-amine		impurity	AQ-TR-C-1445	5-methyl-N,N-diphenylpyridin-2-amine	1445086-62-3	NA	C18H16N2	260.34
815	Posaconazole	Posaconazole impurity-B		Impurity	AQ-TR-C-547	N-(4-(((3R,5R)-5-((1H-1,2,4-triazol-1-yl)methyl)-5-(2,4-difluorophenyl)tetrahydrofuran-3-yl)methoxy)phenyl)-N-(2-(N-(4-(1-((2S,3S)-2-hydroxypentan-3-yl)-5-oxo-1,5-dihydro-4H-1,2,4-triazol-4-yl)phenyl)formamido)ethyl)formamide	357189-95-8	Posaconazole Desethylene Diformyl Impurity; Desethylene Posaconazole N,N'-Diformyl	C37H40F2N8O6	730.77
816		Desethylene Posaconazole		Impurity	AQ-TR-C-592	4-(4-((2-((4-(((2R,5R)-5-((1H-1,2,4-triazol-1-yl)methyl)-5-(2,4-difluorophenyl)tetrahydrofuran-2-yl)methoxy)phenyl)amino)ethyl)amino)phenyl)-2-((2S,3S)-2-hydroxypentan-3-yl)-2,4-dihydro-3H-1,2,4-triazol-3-one	NA	Posaconazole DP IV; Posaconazole Desethylene Impurity; Posaconazole Imp-44	C35H40F2N8O4	674.75
817		Posaconazole Piperazine dioxide		Impurity	AQ-TR-C-593	1-(4-(((3R,5R)-5-((1H-1,2,4-triazol-1-yl)methyl)-5-(2,4-difluorophenyl)tetrahydrofuran-3-yl)methoxy)phenyl)-4-(4-(1-((2S,3S)-2-hydroxypentan-3-yl)-5-oxo-1,5-dihydro-4H-1,2,4-triazol-4-yl)phenyl)piperazine 1,4-dioxide	1902957-95-2	Posaconazole Dioxido Impurity: Posaconazole Impurity 50	C37H42F2N8O6	732.79
818		Desethylene Posaconazole N-formyl		Impurity	AQ-TR-C-618	N-(4-(((3R,5R)-5-((1H-1,2,4-triazol-1-yl)methyl)-5-(2,4-difluorophenyl)tetrahydrofuran-3-yl)methoxy)phenyl)-N-(2-((4-(1-((2S,3S)-2-hydroxypentan-3-yl)-5-oxo-1,5-dihydro-4H-1,2,4-triazol-4-yl)phenyl)amino)ethyl)formamide	357189-96-9	Posaconazole Impurity 42; Posaconazole Desethylene Monoformyl Impurity; Desethylene Posaconazole N(triazolonophenyl)-Formyl	C36H40F2N8O5	702.76

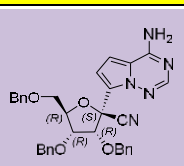
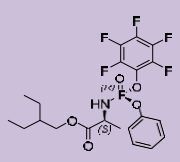
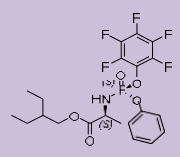
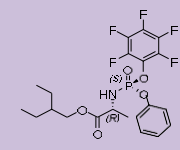
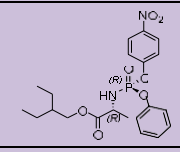
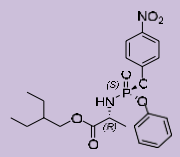
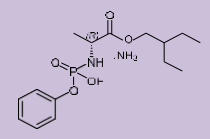
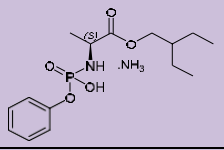
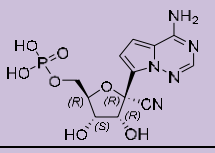
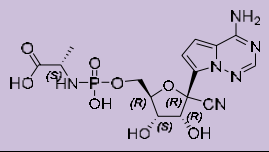
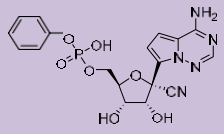
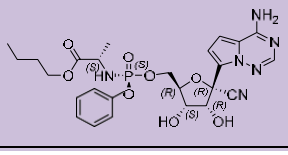
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
819		Posconazole Impurity-(component-D)		Impurity	AQ-TR-C-650	N-(4-(((3R,5R)-5-((1H-1,2,4-triazol-1-yl)methyl)-5-(2,4-difluorophenyl)tetrahydrofuran-3-yl)methoxy)phenyl)formamide	357189-97-0	Posconazole Impurity-D; Posaconazole Formamide Impurity	C21H20F2N4O3	414.41
820	Pramipexole	Pramipexole dimer- I		Impurity	AQ-TR-C-846	(6S,7S)- 4,5,6,7-tetrahydro-N6-propyl-N7-(6S)- 4,5,6,7-tetrahydro -6-(propyl amino) 2-benzothiazolyl- 2,6,7- benzothiazole triamine	NA	NA	C20H32N6S2	420.64
821		Pramipexole dimer- II		Impurity	AQ-TR-C-847	(6S, 7R)- 4,5,6,7-tetrahydro-N6-propyl-N7 (6S)- 4,5,6,7-tetrahydro -6-(propyl amino) 2-benzothiazolyl- 2,6,7- benzothiazole triamine	1244656-98-1	NA	C20H32N6S2	420.64
822		Pramipexole related compound D		impurity	AQ-TR-C-1005	(R)-N6-propyl-4, 5, 6, 7-tetrahydrobenzo[d]thiazole-2, 6-diamine	104632-28-2	NA	C10H17N3S	211.33
823		Pramipexole impurity E (BP)		impurity	AQ-TR-C-1006	(S)-N-(2-amino-4, 5, 6, 7-tetrahydrobenzo[d]thiazol-6-yl) propionamide	106006-84-2	NA	C10H15N3OS	225.31
824		Pramipexole impurity 29		impurity	AQ-TR-C-1007	(S)-N, N'-(4, 5, 6, 7-tetrahydrobenzo[d]thiazole-2, 6-diyl) dipropionamide	1346617-47-7	NA	C13H19N3O2S	281.37
825		Pramipexole Dimer		impurity	AQ-TR-C-1011	(6S,6'S)-N6,N6'-(2-methylpentane-1,3-diyl)bis(4,5,6,7-tetrahydrobenzo[d]thiazole-2,6-diamine) di-acetate	1973461-14-1 (acid free)	Pramipexole C-C Dimer	C24H40N6S2O4 (Acetate salt) C20H32N6S2 (Free Base)	540.74 (Acetate salt) 420.64 (Free Base)
826	Prazosin	Prazosin related compound		Impurity	AQ-TR-C-084	2-chloro-6,7-dimethoxyquinazolin-4-amine	23680-84-4	NA	C10H10ClN3O2	239.66
827		Prazosin Intermediate / Doxazosin Intermediate		Impurity	AQ-TR-C-085	6,7-dimethoxy-2-(piperazin-1-yl)quinazolin-4-amine	60547-97-9	NA	C14H19N5O2	289.34
828		Prazosin Impurity		Impurity	AQ-TR-C-086	piperazine-1,4-diylbis(furan-2-ylmethanone)	31350-27-3	NA	C14H14N2O4	274.28
829	Prednisolone	17 Acid 17 ethyl carbonate prednisolone		Impurity	AQ-TR-C-134	(8S,9S,10R,11S,13S,14S,17R)-17-((ethoxycarbonyl)oxy)-11-hydroxy-10,13-dimethyl-3-oxo-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthrene-17-carboxylic acid	133991-63-6	NA	C23H30O7	418.49
830		Prednisolone 17B hydroxy acid		Impurity	AQ-TR-C-135	(8S,9S,10R,11S,13S,14S,17R)-11,17-dihydroxy-10,13-dimethyl-3-oxo-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthrene-17-carboxylic acid	37927-29-0	PJ 90; Δ1-Cortienic Acid	C20H26O5	346.42
831		Loteprednol etabonate 11-keto		Impurity	AQ-TR-C-136	chloromethyl (8S,9S,10R,13S,14S,17R)-17-((ethoxycarbonyl)oxy)-10,13-dimethyl-3,11-dioxo-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthrene-17-carboxylate	207670-54-0	NA	C24H29ClO7	464.94
832		Prednisolone di carbonate 1NH		Impurity	AQ-TR-C-107	(8S,9S,10R,11S,13S,14S,17R)-17-((ethoxycarbonyl)oxy)-11-hydroxy-10,13-dimethyl-3-oxo-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthrene-17-carboxylic (ethyl carbonic) anhydride	133991-62-5	NA	C26H34O9	490.55
833		Prednisolone 20 ethyl ester 1NH		Impurity	AQ-TR-C-108	ethyl(8S,9S,10R,13S,14S,17R)-17-((ethoxycarbonyl)oxy)-11-hydroxy-10,13-dimethyl-3-oxo-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthrene-17-carboxylate	182069-19-8	NA	C25H34O7	446.54
834		Loteprednol methyl ester		Impurity	AQ-TR-C-138	methyl (8S,9S,10R,11S,13S,14S,17R)-17-((ethoxycarbonyl)oxy)-11-hydroxy-10,13-dimethyl-3-oxo-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthrene-17-carboxylate	NA	NA	C24H32O7	432.51
835		1,2-Dihydro Loteprednol		Impurity	AQ-TR-C-139	chloromethyl (8S,9S,10R,11S,13S,14S,17R)-17-((ethoxycarbonyl)oxy)-11-hydroxy-10,13-dimethyl-3-oxo-2,3,6,7,8,9,10,11,12,13,14,15,16,17-tetradecahydro-1H-cyclopenta[a]phenanthrene-17-carboxylate	82034-20-6	NA	C24H33ClO7	468.97

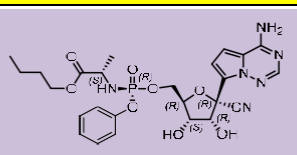
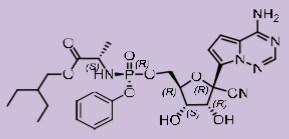
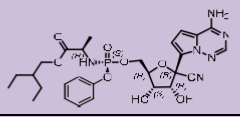
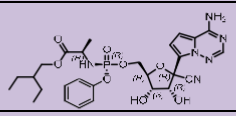
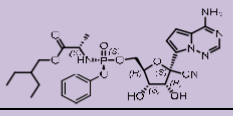
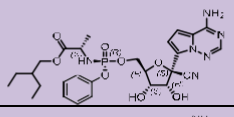
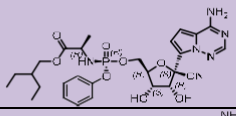
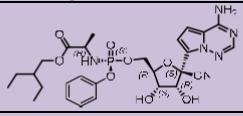
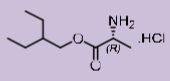
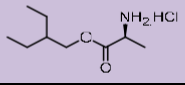
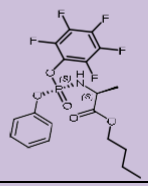
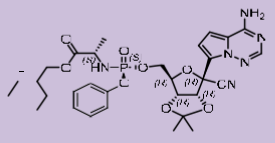
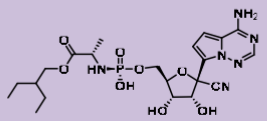
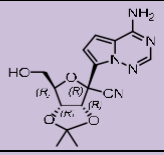
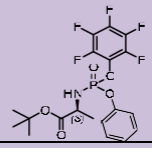
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
836		Loteprednol 1,2 Dihydro ethyl carbonate		Impurity	AQ-TR-C-140	(8S,9S,10R,11S,13S,14S,17R)-17-((ethoxycarbonyl)oxy)-11-hydroxy-10,13-dimethyl-3-oxo-2,3,6,7,8,9,10,11,12,13,14,15,16,17-tetradecahydro-1H-cyclopenta[a]phenanthrene-17-carboxylic (ethyl carbonic) anhydride	82048-81-5	NA	C26H36O9	492.57
837		Dehydrated Methylprednisolone Aldehyde Impurity		Impurity	AQ-TR-C-361	(6S,8S,9S,10R,11S,13S,14S,17S)-17-(2,2-dihydroxyacetyl)-11-hydroxy-6,10,13-trimethyl-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthren-3-one	1338549-01-1	Methyl prednisolone aldehyde; Methyl prednisolone glyoxal	C22H30O5	374.48
838		Methylprednisolone Impurity		Impurity	AQ-TR-C-616	1-(11,17-dihydroxy-6,10,13-trimethyl-3-oxo-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthren-17-yl)-2,3-dihydroxy-4-(11-hydroxy-6,10,13-trimethyl-3-oxo-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthren-17-yl)butane-1,4-dione	NA	NA	C44H58O9	730.94
839		Methylprednisolone glyoxal		Impurity	AQ-TR-C-679	(6S,8S,9S,10R,11S,13S,14S,17R)-17-(2,2-dihydroxyacetyl)-11,17-dihydroxy-6,10,13-trimethyl-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthren-3-one	NA	NA	C22H30O6	390.48
840		Diacetyl Prednisolone		Impurity	AQ-TR-C-715	2-((8S,9S,10R,13S,14S,17R)-11-acetoxy-17-hydroxy-10,13-dimethyl-3-oxo-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthren-17-yl)-2-oxoethyl acetate	NA	NA	C25H32O7	444.52
841		Hydrocortisone / Pregn-4-ene-3,20-dione,11,17,21-trihydroxy-,(11β)		Impurity	AQ-TR-C-841	(10R,11S,13S,17R)-11,17-dihydroxy-17-(2-hydroxyacetyl)-10,13-dimethyl-1,2,6,7,8,9,10,11,12,13,14,15,16,17-tetradecahydro-3H-cyclopenta[a]phenanthren-3-one	NA	NA	C21H30O5	362.47
842		3-(aminomethyl)-5-methylhex-4-enoic acid		Impurity	AQ-TR-C-223	3-(aminomethyl)-5-methylhex-4-enoic acid	216576-74-8	NA	C8H15NO2	157.21
843		3-(aminomethyl)-5-methylhex-5-enoic acid		Impurity	AQ-TR-C-224	3-(Amino methyl)-5-methylhex-5-enoic acid	1136478-30-2	NA	C8H15NO2	157.21
844		4-Isobutyl piperidin-2,6-dione (Dione)		Impurity	AQ-TR-C-225	4-Isobutyl piperidin-2, 6-dione (Dione)	916982-10-0	NA	C9H15NO2	169.22
845		4-Isobutylpyrrolidin-2-one (lactam)		Impurity	AQ-TR-C-226	4-Isobutyl pyrrolidin-2-one	61312-87-6	Pregabalin USP Related Compound C	C8H15NO	141.21
846		(R)-3-(2-methoxy-2-oxoethyl)-5-methylhexanoic acid		Impurity	AQ-TR-C-298	(R)-3-(2-methoxy-2-oxoethyl)-5-methylhexanoic acid	156048-92-9	NA	C10H18O4	202.25
847		PGN Monoamide impurity		Impurity	AQ-TR-C-429	3-(aminomethyl)-5-methylhexanamide 2,2,2-trifluoroacetate	1026009-73-3 (Free Base)	Pregabalin Monoamide impurity	C8H18N2O (Free base) C10H19F3N2O3 (TFA Salt)	158.25 (Free base) 272.27 (TFA Salt)
848		PGN Diamine impurity		Impurity	AQ-TR-C-430	2-(propan-2-yl)cyclopropane-1,3-diamine	159029-27-3	Pregabalin Di amine impurity	C7H18N2	130.24
849		Pregabalin Imp (Mixture of Diastereomer)		Impurity	AQ-TR-C-453	3-((3-(aminomethyl)-5-methylhex-4-enamido)methyl)-5-methylhex-4-enoic acid	NA	Pregabalin 4ENE Dimer Impurity	C16H28N2O3	296.41
850		Pregabalin Dimer Impurity		Impurity	AQ-TR-C-339	3-((3-(aminomethyl)-5-methylhexanamido)methyl)-5-methylhexanoic acid	1486961-58-3	NA	C16H32N2O3	300.44
851	**Pregabalin**	Pregabalin cyclized diamide impurity		Impurity	AQ-TR-C-708	4,8-diethyl-1,5-diazecane-2,7-dione	NA	NA	C16H30N2O2	282.43

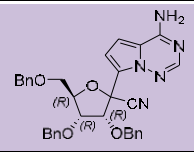
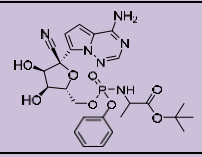
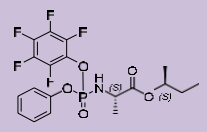
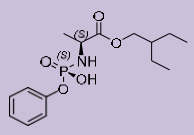
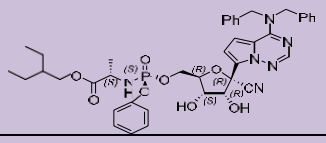
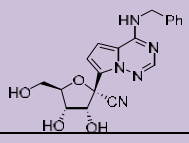
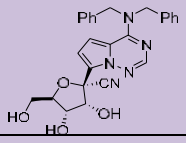
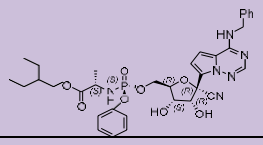
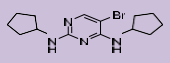
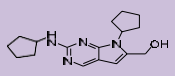
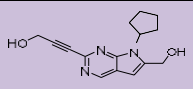
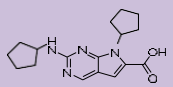
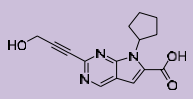
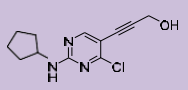
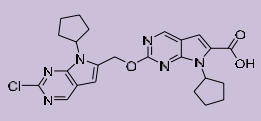
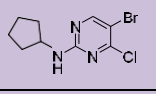
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
852		Pregabalin Lactose Impurity PD224378 (Unknown A)		Impurity	AQ-TR-C-796	(R)-1-((2R,3R,4R,5S,6R)-3,4-dihydroxy-6-(hydroxymethyl)-5-(((2S,3R,4S,5R,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)tetrahydro-2H-pyran-2-yl)oxy)tetrahydro-2H-pyran-2-yl)-4-isobutylpyrrolidin-2-one	501665-88-9	Pregabalin lactose Unknown Impurity-A	C20H35NO11	465.5
853		Pregabalin Dimer Impurity		Impurity	AQ-TR-C-851	(4S,4'S)-1,1'-methylenebis(4-isobutylpyrrolidin-2-one)	2361911-35-3	Pregabalin Lactone Dimer Impurity	C17H30N2O2	294.44
854		3-(2-amino-2-oxoethyl)-5-methylhexanoic acid		Impurity	AQ-TR-C-852	3-(2-amino-2-oxoethyl)-5-methylhexanoic acid	181289-15-6	NA	C9H17NO3	187.24
855		3-isobutylpentanedioic acid		Impurity	AQ-TR-C-853	3-isobutylpentanedioic acid	75143-89-4	NA	: C9H16O4	188.22
856		(S)-3-(2-Methoxy-2-oxoethyl)-5-methylhexanoic acid		impurity	AQ-TR-C-926	(S)-3-(2-methoxy-2-oxoethyl)-5-methylhexanoic acid	181289-25-8	Pregabalin S-Mono Acid	C10H18O4	202.25
857		5-Methyl-3-(2-oxo-2-ureidoethyl) hexanoic Acid		impurity	AQ-TR-C-927	5-Methyl-3-(2-oxo-2-ureidoethyl) hexanoic Acid	NA	NA	C10H18N2O4	230.26
858		(R)-3-(2-amino-2-oxoethyl)-5-methylhexanoic acid		impurity	AQ-TR-C-1300	(R)-3-(2-amino-2-oxoethyl)-5-methylhexanoic acid	181289-33-8	NA	C9H17NO3	187.24
859		Isopropyl 2-hydroxy-2-phenyl-acetate		impurity	AQ-TR-C-1501	isopropyl 2-hydroxy-2-phenylacetate	4118-51-8	(±)-Isopropyl mandelate; (±)-Mandelic acid isopropyl ester; Isopropyl 2-hydroxy-2-phenylacetate; Isopropyl mandelate; Mandelic acid isopropyl ester; NSC 6582	C11H14O3	194.23
860	**Propafenone**	Propafenone EP impurity A		Impurity	AQ-TR-C-906	1-(2-hydroxyphenyl)-3-phenylpropan-1-one	3516-95-8	NA	C15H14O2	226.28
861		Propafenone EP impurity C		Impurity	AQ-TR-C-907	1-(2-(oxiran-2-ylmethoxy)phenyl)-3-phenylpropan-1-one	22525-95-7	NA	C18H18O3	282.34
862	**Propofol**	Propofol EP impurity-K		Impurity	AQ-TR-C-842	1-isopropoxy-2-isopropylbenzene	14366-59-7	NA	C12H18O	178.28
863		Propofol EP impurity-L		Impurity	AQ-TR-C-843	4-isopropyl-2,2-dimethylbenzo[d][1,3]dioxole	201166-22-5	NA	C12H16O2	192.26
864		Propofol EP impurity-O		Impurity	AQ-TR-C-844	2-isopropyl-6-propylphenol	74663-48-2	NA	C12H18O	178.28
865	**Propranolol**	Iso Propranolol		impurity	AQ-TR-C-1233	2-(isopropylamino)-3-(naphthalen-1-yloxy)propan-1-ol	27827-19-6	NA	C16H21NO2	259.35
866	**Pyridine boranes**	2-(Diethyl boranyl)Pyridine		impurity	AQ-TR-C-1125	2-(diethylboranyl)pyridine	385804-67-1	NA	C9H14BN	147.03
867		Quetiapine Imp-A		impurity	AQ-TR-C-1205	2-(2-(4-(dibenzo[b,f][1,4]thiazepin-11-yl)piperazin-1-yl)ethoxy)ethyl acetate	844639-07-2	NA	C23H27N3O3S	425.55

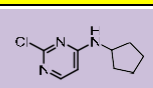
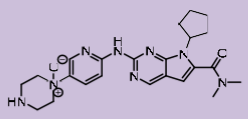
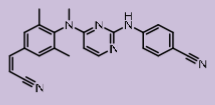
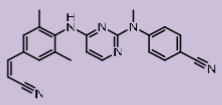
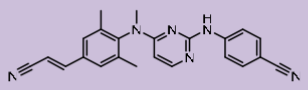
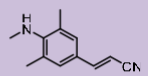
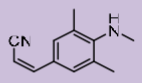
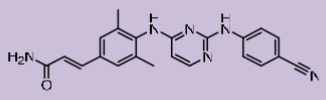
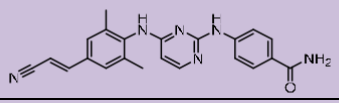
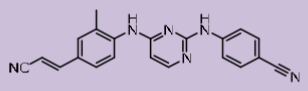
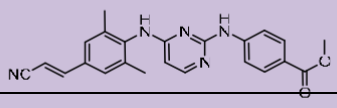
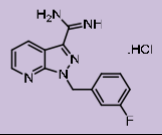
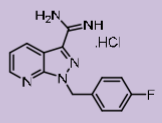
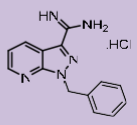
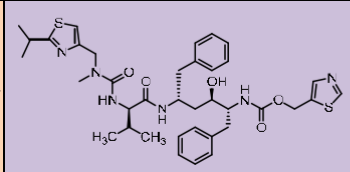
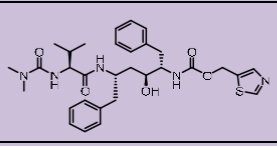
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
868	Quetiapine	Quetiapine Tetra Ethylene Glycol Fumarate Salt		impurity	AQ-TR-C-1295	2-{2-[2-(2-{4-[dibenzo[b,f][1,4]thiazepin-11-yl]piperazin-1-yl}ethoxy)ethoxy]ethan-1-ol fumarate	2470243-24-2	Quetiapine EP Impurity J	C29H37N3O8S (Fumarate Salt) C25H33N3O4S (Free base)	587.69 (Fumarate Salt) 471.62 (Free base)
869	Rabeprazole	Rabeprazole Impurity-5		Impurity	AQ-TR-C-247	1-(1H-benzo[d]imidazol-2-yl)-2-carboxy-4-(3-methoxypropoxy)-3-methylpyridin-1-ium	1807988-36-8	NA	C18H19N3O4	341.37
870		Rabeprazole methoxy sulfide analog Impurity		impurity	AQ-TR-C-1185	2-{[(4-methoxy-3-methylpyridin-2-yl)methyl]thio}-1H-benzo[d]imidazole	102804-82-0	NA	C15H15N3OS	285.37
871		Rabeprazole Related compound-F		impurity	AQ-TR-C-1186	2-{[(4-chloro-3-methylpyridin-2-yl)methyl]sulfinyl}-1H-benzo[d]imidazole	168167-42-8	NA	C14H12ClN3OS	305.78
872		Rabeprazole N-Oxide (Rabeprazole Related Compound B)		impurity	AQ-TR-C-1249	2-{[(1H-benzo[d]imidazol-2-yl)sulfinyl]methyl}-4-(3-methoxypropoxy)-3-methylpyridine 1-oxide	924663-38-7	NA	C18H21N3O4S	375.44
873		Rabeprazole Sulfone		impurity	AQ-TR-C-1250	2-{[(4-(3-methoxypropoxy)-3-methylpyridin-2-yl)methyl]sulfonyl}-1H-benzo[d]imidazole	117976-47-3	NA	C18H21N3O4S	375.44
874		Rabeprazole Sulfone N-Oxide		impurity	AQ-TR-C-1251	2-{[(1H-benzo[d]imidazol-2-yl)sulfonyl]methyl}-4-(3-methoxypropoxy)-3-methylpyridine 1-oxide	924663-37-6	NA	C18H21N3O5S	391.44
875	Raloxifene	2-(2-(piperidin-1-yl)ethoxy)benzoic acid (Isomer of PA Compound)		Impurity	AQ-TR-C-263	2-(2-(piperidin-1-yl)ethoxy)benzoic acid	937666-17-6	Raloxifene Impurity – 19	C14H19NO3	249.3
876		4-(3-(piperidin-1-yl) propoxy) benzoic acid hydrochloride (Propyl analogue of PA compound)		Impurity	AQ-TR-C-265	4-[3-(piperidin-1-yl)propoxy]benzoic acid hydrochloride	767286-87-3(free amine)	Raloxifene Impurity - 20	C15H22ClNO3 (HCl Salt) C15H21NO3 (Free base)	299.8 (HCl Salt) 263.34 (Free base)
877		2-(4-hydroxyphenyl)benzo[b]thiophen-5-ol		Impurity	AQ-TR-C-266	2-(4-hydroxyphenyl)benzo[b]thiophen-5-ol	1190867-20-9	Raloxifene Impurity 14	C14H10O2S	242.29
878		2-(4-hydroxyphenyl)benzo[b]thiophen-4-ol		Impurity	AQ-TR-C-267	2-(4-hydroxyphenyl)benzo[b]thiophen-4-ol	NA	Raloxifene Impurity-16	C14H10O2S	242.29
879		2-(4-hydroxyphenyl)benzo[b]thiophen-7-ol		Impurity	AQ-TR-C-268	2-(4-hydroxyphenyl)benzo[b]thiophen-7-ol	NA	Raloxifene Impurity-15	C14H10O2S	242.29
880		4-(6-hydroxybenzo[b]thiophen-2-yl)benzene-1,2-diol		Impurity	AQ-TR-C-229	4-(6-hydroxybenzo[b]thiophen-2-yl)benzene-1,2-diol	414861-41-9	Raloxifene Impurity-18	C14H10O3S	258.29
881		4-(6-hydroxybenzo[b]thiophen-2-yl)benzene-1,3-diol		Impurity	AQ-TR-C-270	4-(6-hydroxybenzo[b]thiophen-2-yl)benzene-1,3-diol	NA	Raloxifene Impurity - 17	C14H10O3S	258.29
882		Raloxifene Dimer		Impurity	AQ-TR-C-632	(6,6'-dihydroxy-2,2'-bis(4-hydroxyphenyl)[7,7'-bibenzo[b]thiophene]-3,3'-diyl)bis((4-(2-(piperidin-1-yl)ethoxy)phenyl)methanone)	618902-12-8	NA	C56H52N2O8S2	945.16
883		Raloxifene N-Oxide		Impurity	AQ-TR-C-633	1-[2-[4-(6-hydroxy-2-(4-hydroxyphenyl)benzo[b]thiophene-3-carbonyl]phenoxy]ethyl]piperidine 1-oxide	195454-31-0	Raloxifene EP Impurity C	C28H27NO5S	489.59

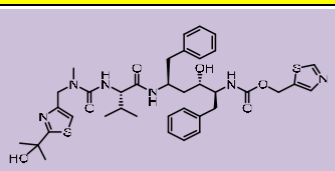
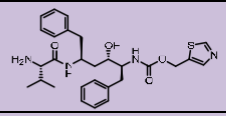
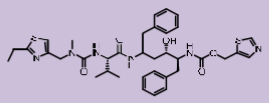
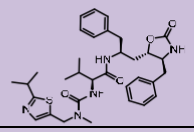
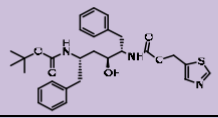
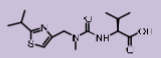
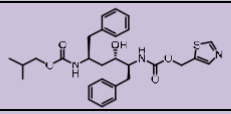
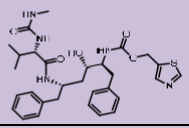
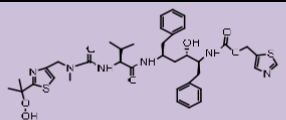
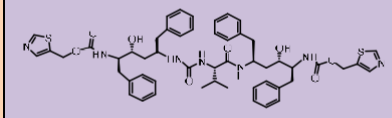
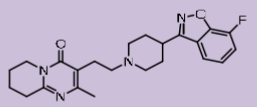
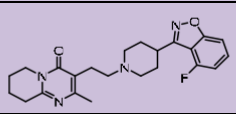
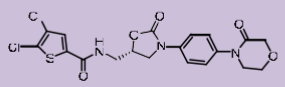
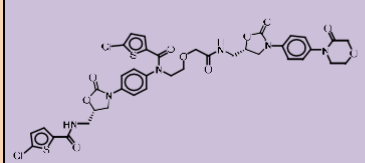
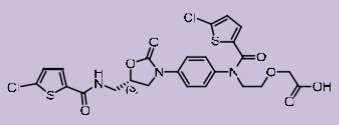
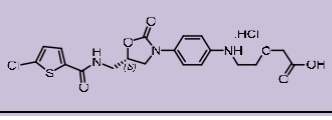
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
884	Ramipril	Ramipril RR-isomer of ECPP Alanine		impurity	AQ-TR-C-1038	((R)-1-ethoxy-1-oxo-4-phenylbutan-2-yl)-D-alanine	122076-80-6	Ramipril RR-isomer of ECPP Alanine	C15H21NO4	279.34
885		Ramipril RS-isomer of ECPP Alanine		impurity	AQ-TR-C-1039	((R)-1-ethoxy-1-oxo-4-phenylbutan-2-yl)-L-alanine	84324-12-9	Ramipril RS-isomer of ECPP Alanine	C15H21NO4	279.34
886		Ramipril SR-isomer of ECPP Alanine		impurity	AQ-TR-C-1040	((S)-1-ethoxy-1-oxo-4-phenylbutan-2-yl)-D-alanine	85196-26-5	Ramipril SR-isomer of ECPP Alanine	C15H21NO4	279.34
887		Ramipril SS-isomer of ECPP Alanine		impurity	AQ-TR-C-1041	((S)-1-ethoxy-1-oxo-4-phenylbutan-2-yl)-L-alanine	82717-96-2	Ramipril RS-isomer of ECPP Alanine	C15H21NO4	279.34
888	Ranitidine	N-Desmethyl Ranitidine		Impurity	AQ-TR-C-215	(E)-N-methyl-N'-(2-(((5-((methylamino)methyl)furan-2-yl)methyl)thio)ethyl)-2-nitroethene-1,1-diamine	66357-25-3	NA	C12H20N4O3S	300.38
889		Ranitidine-furoic acid analogue		Impurity	AQ-TR-C-216	(E)-5-(((2-((1-(methylamino)-2-nitrovinyl)amino)ethyl)thio)methyl)furan-2-carboxylic acid	161271-11-0	NA	C11H15N3O5S	301.32
890	Ranolazine	Ranolazine Related Compound C		Impurity	AQ-TR-C-064	N-(2,6-dimethylphenyl)-2-(piperazin-1-yl)acetamide	5294-61-1	RS 94287	C14H21N3O	247.34
891		Ranolazine related compound A		Impurity	AQ-TR-C-218	2-((2-methoxyphenoxy)methyl)oxirane	2210-74-4	NSC 112256; NSC 133442	C10H12O3	180.2
892		Ranolazine impurity ZEN-II		Impurity	AQ-TR-C-219	2-chloro-N-(2,6-dimethylphenyl)acetamide	1131-01-7	NSC 37260; Lidocaine EP Impurity H	C10H12ClNO	197.66
893		Ranolazine related compound D (ZEN-IV)		Impurity	AQ-TR-C-220	2,2'-(piperazine-1,4-diyl)bis(N-(2,6-dimethylphenyl)acetamide)	380204-72-8	NA	C24H32N4O2	408.55
894		Ranolazine Related compound-B		Impurity	AQ-TR-C-234	N-(2,6-dimethylphenyl)-2-(4-(2-hydroxy-3-phenoxypropyl)piperazin-1-yl)acetamide	755711-09-2	NA	C23H31N3O3	397.52
895	Regadenoson	Regadenoson Impurity-7		Impurity	AQ-TR-C-828	ethyl 1H-pyrazole-4-carboxylate	37622-90-5	NA	C6H8N2O2	140.14
896		Regadenoson Impurity-2		Impurity	AQ-TR-C-829	1-(6-amino-9-((2R,3R,4S,5R)-3,4-dihydroxy-5-(hydroxymethyl)tetrahydrofuran-2-yl)-9H-purin-2-yl)-N,N-dimethyl-1H-pyrazole-4-carboxamide	313348-31-1	NA	C16H20N8O5	404.39
897	Remdesivir	Remdesivir Impurity-1		impurity	AQ-TR-C-928	((2S,3R,4S,5R)-2-(4-aminopyrrolo[2,1-f][1,2,4]triazin-7-yl)-3,4-dihydroxy-5-(hydroxymethyl)tetrahydrofuran-2-carbonitrile	1355049-95-4	Alpha -Isomer of Remdesivir	C12H13N5O4	291.27
898		Remdesivir Related compound 4		impurity	AQ-TR-C-929	(2R,3R,4S,5R)-2-(4-aminopyrrolo[2,1-f][1,2,4]triazin-7-yl)-3,4-dihydroxy-5-(hydroxymethyl)tetrahydrofuran-2-carbonitrile	1191237-69-0	Beta -Isomer of Remdesivir	C33H31N5O4	561.64
899		(R)-Tri O-benzyl nitrile Impurity		impurity	AQ-TR-C-930	(2R,3R,4R,5R)-2-(4-aminopyrrolo[2,1-f][1,2,4]triazin-7-yl)-3,4-bis(benzyloxy)-5-((benzyloxy)methyl)tetrahydrofuran-2-carbonitrile	1355357-49-1	NA	C33H31N5O4	561.64

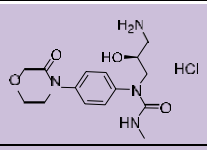
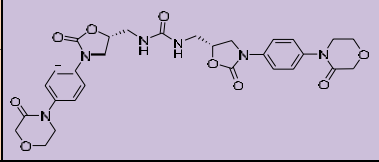
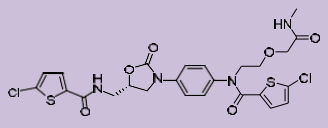
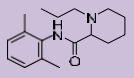
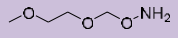
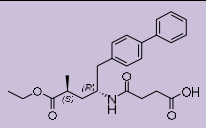
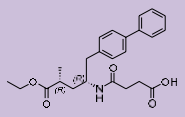
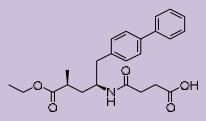
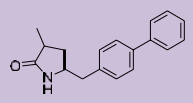
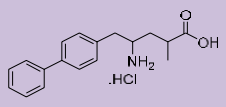
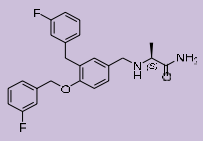
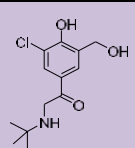
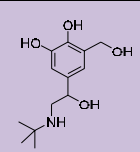
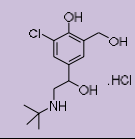
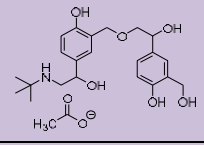
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
900		(S)-Tri-O-Benzyl Nitrile Impurity		impurity	AQ-TR-C-931	(2S,3R,4R,5R)-2-(4-aminopyrrolo[2,1-f][1,2,4]triazin-7-yl)-3,4-bis(benzyloxy)-5-((benzyloxy)methyl)tetrahydrofuran-2-carbonitrile	1369903-46-7	NA	C33H31N5O4	561.64
901		RDV PENTAFLUORO SR ISOMER		impurity	AQ-TR-C-932	2-ethylbutyl ((R)-(perfluorophenoxy)(phenoxy)phosphoryl)-L-alaninate	1911578-99-8	Remdesivir Pentafluoro SR Isomer	C21H23F5NO5P	495.38
902		RDV PENTAFLUORO SS ISOMER		impurity	AQ-TR-C-933	2-ethylbutyl ((S)-(perfluorophenoxy)(phenoxy)phosphoryl)-L-alaninate	1911578-98-7	Remdesivir Pentafluoro SS Isomer	C21H23F5NO5P	495.38
903		RDV PENTAFLUORO RS ISOMER		impurity	AQ-TR-C-934	2-ethylbutyl ((S)-(perfluorophenoxy)(phenoxy)phosphoryl)-D-alaninate	NA	Remdesivir Pentafluoro RS Isomer	C21H23F5NO5P	495.38
904		2-ethylbutyl ((R)-(4-nitrophenoxy)(phenoxy)phosphoryl)-D-alaninate		Impurity	AQ-TR-C-975	2-ethylbutyl ((R)-(4-nitrophenoxy)(phenoxy)phosphoryl)-D-alaninate	NA	NA	C21H27N2O7P	450.43
905		2-ethylbutyl ((S)-(4-nitrophenoxy)(phenoxy)phosphoryl)-D-alaninate		Impurity	AQ-TR-C-976	2-ethylbutyl ((S)-(4-nitrophenoxy)(phenoxy)phosphoryl)-D-alaninate	NA	NA	C21H27N2O7P	450.43
906		Remdesivir Impurity 8		impurity	AQ-TR-C-935	2-ethylbutyl (hydroxy(phenoxy)phosphoryl)-D-alaninate, ammonia salt	NA	NA	C15H24NO5P (Free Base) C15H27N2O5P (Ammonium Salt)	329.33 (Free Base) 346.36 (Ammonium Salt)
907		Remdesivir Impurity 14		impurity	AQ-TR-C-936	2-ethylbutyl (hydroxy(phenoxy)phosphoryl)-L-alaninate, ammonia salt	NA	NA	C15H24NO5P (Free Base) C15H27N2O5P (Ammonium Salt)	329.33 (Free Base) 346.36 (Ammonium Salt)
908		Remdesivir Phosphate Impurity		Impurity	AQ-TR-C-977	((2R,3S,4R,5R)-5-(4-aminopyrrolo[2,1-f][1,2,4]triazin-7-yl)-5-cyano-3,4-dihydroxytetrahydrofuran-2-yl)methyl dihydrogen phosphate	NA	NA	C12H14N5O7P	371.25
909		Des Phenyl Acid Impurity		Impurity	AQ-TR-C-978	((((2R,3S,4R,5R)-5-(4-aminopyrrolo[2,1-f][1,2,4]triazin-7-yl)-5-cyano-3,4-dihydroxytetrahydrofuran-2-yl)methoxy)(hydroxy)phosphoryl)-L-alanine	NA	NA	C15H19N6O8P	442.32
910		Remdesivir Impurity-18		impurity	AQ-TR-C-937	((2R,3S,4R,5R)-5-(4-aminopyrrolo[2,1-f][1,2,4]triazin-7-yl)-5-cyano-3,4-dihydroxy tetrahydrofuran-2-yl)methyl phenyl hydrogen phosphate		NA	C18H18N5O7P	447.34
911		n-Butyl Impurity of Remdesivir		Impurity	AQ-TR-C-979	butyl ((S)-(((2R,3S,4R,5R)-5-(4-aminopyrrolo[2,1-f][1,2,4]triazin-7-yl)-5-cyano-3,4-dihydroxytetrahydrofuran-2-yl)methoxy)(phenoxy)phosphoryl)-L-alaninate		NA	C25H31N6O8P	574.53

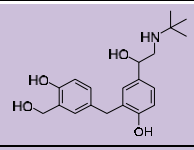
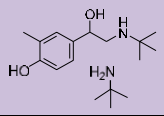
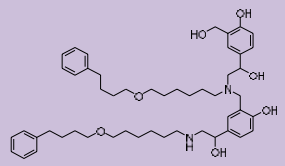
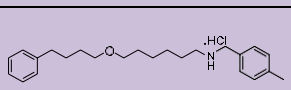
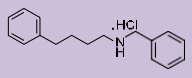
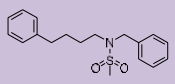
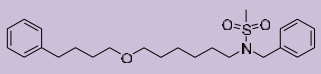
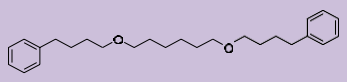
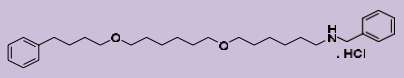
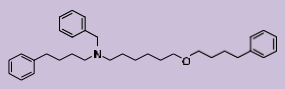
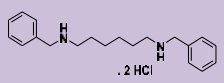
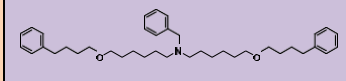
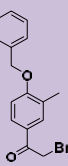
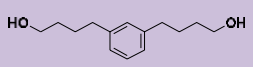
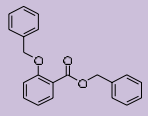
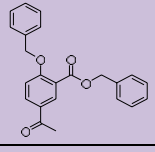
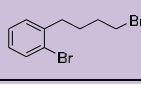
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
912	Remdesivir	n-Butyl (SRR) Remdesivir		Impurity	AQ-TR-C-980	butyl ((R)-(((2R,3S,4R,5R)-5-(4-aminopyrrolo[2,1-f][1,2,4]triazin-7-yl)-5-cyano-3,4-dihydroxytetrahydrofuran-2-yl)methoxy)(phenoxy)phosphoryl)-L-alaninate		NA	C25H31N6O8P	574.53
913		Remdesivir R-P isomer		impurity	AQ-TR-C-938	2-ethylbutyl((R)-(((2R,3S,4R,5R)-5-(4-aminopyrrolo[2,1-f][1,2,4]triazin-7-yl)-5-cyano-3,4-dihydroxytetrahydrofuran-2-yl)methoxy)(phenoxy)phosphoryl)-L-alaninate	1911578-75-0	Diastereomer of Remdesivir, (S,R,R) Isomer of Remdesivir	C27H35N6O8P	602.58
914		Remdesivir D-Alanine Isomer		impurity	AQ-TR-C-939	2-ethylbutyl ((S)-(((2R,3S,4R,5R)-5-(4-aminopyrrolo[2,1-f][1,2,4]triazin-7-yl)-5-cyano-3,4-dihydroxytetrahydrofuran-2-yl)methoxy)(phenoxy)phosphoryl)-D-alaninate	2093124-26-4	Remdesivir RSR Isomer	C27H35N6O8P	602.58
915		Remdesivir R-P D-Alanine isomer		impurity	AQ-TR-C-940	2-ethylbutyl ((R)-(((2R,3S,4R,5R)-5-(4-aminopyrrolo[2,1-f][1,2,4]triazin-7-yl)-5-cyano-3,4-dihydroxytetrahydrofuran-2-yl)methoxy)(phenoxy)phosphoryl)-D-alaninate	NA	Remdesivir RRR Isomer	C27H35N6O8P	602.58
916		Remdesivir- S-Isomer at CN		Impurity	AQ-TR-C-981	2-ethylbutyl ((S)-(((2R,3S,4R,5S)-5-(4-aminopyrrolo[2,1-f][1,2,4]triazin-7-yl)-5-cyano-3,4-dihydroxytetrahydrofuran-2-yl)methoxy)(phenoxy)phosphoryl)-L-alaninate	NA	Remdesivir SSS isomer	C27H35N6O8P	602.58
917		Remdesivir R-P isomer and S-isomer at CN		Impurity	AQ-TR-C-982	2-ethylbutyl ((R)-(((2R,3S,4R,5S)-5-(4-aminopyrrolo[2,1-f][1,2,4]triazin-7-yl)-5-cyano-3,4-dihydroxytetrahydrofuran-2-yl)methoxy)(phenoxy)phosphoryl)-L-alaninate	NA	Remdesivir SRS isomer	C27H35N6O8P	602.58
918		Remdesivir R-P D-Alanine isomer and S-isomer at CN		Impurity	AQ-TR-C-983	2-ethylbutyl ((R)-(((2R,3S,4R,5S)-5-(4-aminopyrrolo[2,1-f][1,2,4]triazin-7-yl)-5-cyano-3,4-dihydroxytetrahydrofuran-2-yl)methoxy)(phenoxy)phosphoryl)-D-alaninate		Remdesivir RRS isomer	C27H35N6O8P	602.58
919		Remdesivir D-Alanine isomer and S-isomer at CN		Impurity	AQ-TR-C-984	2-ethylbutyl ((S)-(((2R,3S,4R,5S)-5-(4-aminopyrrolo[2,1-f][1,2,4]triazin-7-yl)-5-cyano-3,4-dihydroxytetrahydrofuran-2-yl)methoxy)(phenoxy)phosphoryl)-D-alaninate		Remdesivir RSS isomer	C27H35N6O8P	602.58
920		2-ethylbutyl D-alaninate hydrochloride		impurity	AQ-TR-C-941	2-ethylbutyl D-alaninate hydrochloride	2096981-79-0	NA		C9H19NO2 (Free Base) C9H20ClNO2 (Salt	173.26 (Free Base) 209.71 (Salt)
921		2-ethylbutyl L-alaninate hydrochloride		impurity	AQ-TR-C-942	2-ethylbutyl L-alaninate hydrochloride	946511-97-3	NA		C9H19NO2 (Free Base) C9H20ClNO2 (HCl Salt)	173.26 (Free Base) 209.71 (HCl Salt)
922		Butyl ((S)-(perfluorophenoxy)(phenoxy)phosphoryl)-L-alaninate		impurity	AQ-TR-C-1018	butyl ((S)-(perfluorophenoxy)(phenoxy)phosphoryl)-L-alaninate	1392015-43-8	butyl ((S)-(perfluorophenoxy)(phenoxy)phosphoryl)-L-alaninate	C19H19F5NO5P	467.33
923		Remdesivir Acetonide Impurity		impurity	AQ-TR-C-1019	2-Ethylbutyl ((S)-(((3aR,4R,6R,6aR)-6-(4-aminopyrrolo[2,1-f][1,2,4]triazin-7-yl)-6-cyano-2,2-dimethyltetrahydrofuro[3,4-d][1,3]dioxol-4-yl)methoxy)(phenoxy)phosphoryl)-L-alaninate	1884576-18-4	Remdesivir Acetonide Impurity	C30H39N6O8P	642.64
924		Remdesivir Des Phenyl Impurity		impurity	AQ-TR-C-1020	2-ethylbutyl ((S)-(((2R,3S,4R,5R)-5-(4-aminopyrrolo[2,1-f][1,2,4]triazin-7-yl)-5-cyano-3,4-dihydroxytetrahydrofuran-2-yl)methoxy)(hydroxy)phosphoryl)-L-alaninate	NA	Remdesivir Des Phenyl Impurity	C21H31N6O8P	526.49
925		Remdesivir O-Des phosphate Acetonide Impurity		impurity	AQ-TR-C-1021	(3aR,4R,6R,6aR)-4-(4-aminopyrrolo[2,1-f][1,2,4]triazin-7-yl)-6-(hydroxymethyl)-2,2-dimethyl tetrahydrofuro [3,4-d][1,3]dioxole-4-carbonitrile	1191237-80-5	Remdesivir Acetonide Impurity	C15H17N5O4	331.33
926		tert-butyl ((perfluorophenoxy)(phenoxy)phosphoryl)-L-alaninate		impurity	AQ-TR-C-1022	tert-butyl ((perfluorophenoxy)(phenoxy)phosphoryl)-L-alaninate.	NA	NA	C19H19F5NO5P	467.33

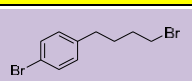
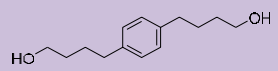
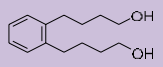
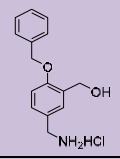
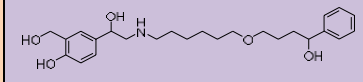
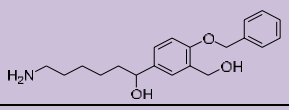
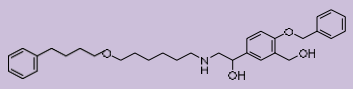
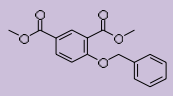
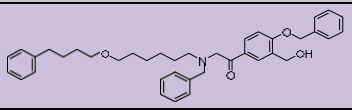
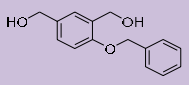
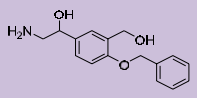
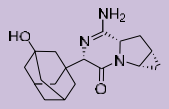
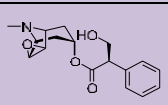
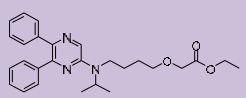
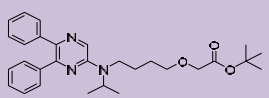
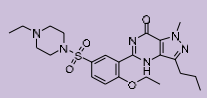
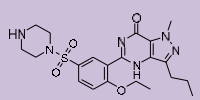
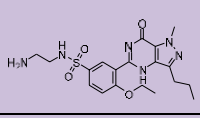
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
927		Tri-(O) benzyl nitrile impurity		impurity	AQ-TR-C-1023	(3R,4R,5R)-2-(4-aminopyrrolo[2,1-f][1,2,4]triazin-7-yl)-3,4-bis(benzyloxy)-5-((benzyloxy)methyl)tetrahydrofuran-2-carbonitrile	1191237-68-9	Remdesivir Tri-(O) benzyl nitrile racemic mixture	C33H31N5O4	561.64
928		Remdesivir tert-butyl ester		impurity	AQ-TR-C-1078	tert-butyl ((((2R,3S,4R,5R)-5-(4-aminopyrrolo[2,1-f][1,2,4]triazin-7-yl)-5-cyano-3,4-dihydroxytetrahydrofuran-2-yl)methoxy)(phenoxy)phosphoryl)alaninate	NA	NA	C25H31N6O8P	574.53
929		2-butyl ((S)-(perfluorophenoxy)(phenoxy) phosphoryl)-L-alaninate		impurity	AQ-TR-C-1172	(S)-sec-butyl ((perfluorophenoxy)(phenoxy)phosphoryl)-L-alaninate	1673560-27-4	NA	C19H19F5NO5P	467.33
930		Remdesivir Impurity 8 Other Isomer		impurity	AQ-TR-C-1173	2-ethylbutyl ((S)-hydroxy(phenoxy)phosphoryl)-L-alaninate	NA	Remdesivir Impurity 8 SS Isomer	C15H24NO5P	329.33
931		Di-N-Benzyl Remdesivir		impurity	AQ-TR-C-1252	2-ethylbutyl ((S)-(((2R,3S,4R,5R)-5-cyano-5-(4-(dibenzylamino)pyrrolo[2,1-f][1,2,4]triazin-7-yl)-3,4-dihydroxytetrahydrofuran-2-yl)methoxy)(phenoxy)phosphoryl)-L-alaninate	NA	NA	C41H47N6O8P	782.83
932		Tri Ol N-Mono Benzyl Remdesivir Impurity		impurity	AQ-TR-C-1253	(2R,3R,4S,5R)-2-(4-(benzylamino)pyrrolo[2,1-f][1,2,4]triazin-7-yl)-3,4-dihydroxy-5-(hydroxymethyl)tetrahydrofuran-2-carbonitrile	NA	NA	C19H19N5O4	381.39
933		Tri Ol N-dibenzyl Remdesivir Impurity		impurity	AQ-TR-C-1254	(2R,3R,4S,5R)-2-(4-(dibenzylamino)pyrrolo[2,1-f][1,2,4]triazin-7-yl)-3,4-dihydroxy-5-(hydroxymethyl)tetrahydrofuran-2-carbonitrile	NA	NA	C26H25N5O4	471.52
934		Mono-N-Benzyl Remdesivir		impurity	AQ-TR-C-1255	2-ethylbutyl ((S)-(((2R,3S,4R,5R)-5-(4-(benzylamino)pyrrolo[2,1-f][1,2,4]triazin-7-yl)-5-cyano-3,4-dihydroxytetrahydrofuran-2-yl)methoxy)(phenoxy)phosphoryl)-L-alaninate	NA	NA	C34H41N6O8P	692.71
935	Ribociclib	5-Bromo-N2,N4-dicyclopentylpyrimidine-2,4-diamine		Impurity	AQ-TR-C-300	5-bromo-N2,N4-dicyclopentylpyrimidine-2,4-diamine	NA	NA	C14H21BrN4	325.25
936		RCB-Cyclopentyl Amine Hydroxy Methyl Impurity		Impurity	AQ-TR-C-302	(7-cyclopentyl-2-(cyclopentylamino)-7H-pyrrolo[2,3-d]pyrimidin-6-yl)methanol	NA	NA	C17H24N4O	300.41
937		RCB-Alkyne Hydroxy Methyl Impurity		Impurity	AQ-TR-C-303	3-(7-cyclopentyl-6-(hydroxymethyl)-7H-pyrrolo[2,3-d]pyrimidin-2-yl)prop-2-yn-1-ol	NA	NA	C15H17N3O2	271.32
938		RCB-cyclopentylamine acid impurity		Impurity	AQ-TR-C-304	7-cyclopentyl-2-(cyclopentylamino)-7H-pyrrolo[2,3-d]pyrimidine-6-carboxylic acid	NA	NA	C17H22N4O2	314.39
939		RCB-Alkyne Acid Impurity		Impurity	AQ-TR-C-305	7-cyclopentyl-2-(3-hydroxyprop-1-yn-1-yl)-7H-pyrrolo[2,3-d]pyrimidine-6-carboxylic acid	NA	NA	C15H15N3O3	285.3
940		RCB - Cyclopentyl amine alkyne impurity		Impurity	AQ-TR-C-306	3-(4-chloro-2-(cyclopentylamino)pyrimidin-5-yl)prop-2-yn-1-ol	NA	NA	C12H14ClN3O	251.71
941		RCB-Chloro dimer impurity		Impurity	AQ-TR-C-328	2-((2-chloro-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidin-6-yl)methoxy)-7-cyclopentyl-7H-pyrrolo[2,3-d]pyrimidine-6-carboxylic acid	NA	Ribociclib Impurity 5	C24H25ClN6O3	480.95
942		5-bromo-4-chloro-N-cyclopentylpyrimidin-2-amine		Impurity	AQ-TR-C-343	5-bromo-4-chloro-N-cyclopentylpyrimidin-2-amine	1823404-28-9	NA	C9H11BrClN3	276.56

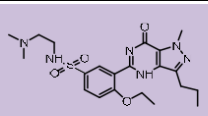
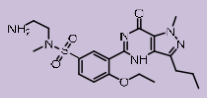
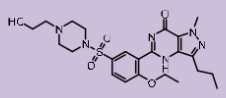
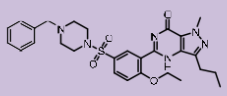
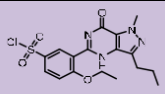
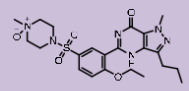
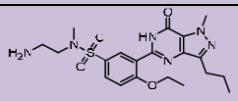
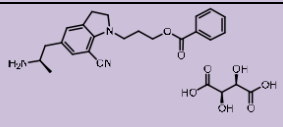
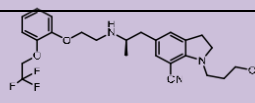
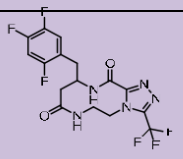
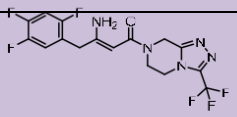
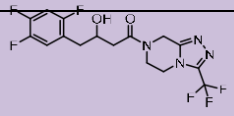
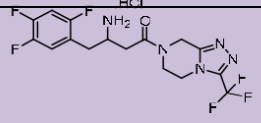
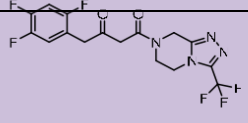
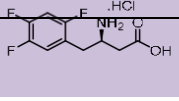
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
943		2-chloro-N-cyclopentylpyrimidin-4-amine		Impurity	AQ-TR-C-429	2-chloro-N-cyclopentylpyrimidin-4-amine	868591-58-4	Ribociclib Impurity-3	C9H12ClN3	197.67
944		RCB-N-Oxide Impurity		Impurity	AQ-TR-C-459	1-(6-((7-cyclopentyl-6-(dimethylcarbamoyl)-7H-pyrrolo[2,3-d]pyrimidin-2-yl)amino)pyridin-3-yl)piperazine 1-oxide	NA	RCB-Piperazine 1-oxide; Ribociclib N-Oxide	C23H30N8O2	450.55
945		Rilpivirine Impurity 2		Impurity	AQ-TR-C-475	(Z)-4-((4-((4-(2-cyanovinyl)-2,6-dimethylphenyl)(methyl)amino)pyrimidin-2-yl)amino)benzonitrile	NA	Rilpivirine Impurity 2 (Z-isomer)	C23H20N6	380.46
946		Rilpivirine Impurity 3		Impurity	AQ-TR-C-476	(Z)-4-((4-((4-(2-cyanovinyl)-2,6-dimethylphenyl)amino)pyrimidin-2-yl)(methyl)amino)benzonitrile	NA	Rilpivirine Impurity 3 (Z-isomer)	C23H20N6	380.46
947		Rilpivirine Impurity 4		Impurity	AQ-TR-C-477	(E)-4-((4-((4-(2-cyanovinyl)-2,6-dimethylphenyl)(methyl)amino)pyrimidin-2-yl)amino)benzonitrile	NA	Rilpivirine Impurity 4 (E-isomer)	C23H20N6	380.46
948		Rilpivirine Impurity 6		Impurity	AQ-TR-C-478	(E)-3-(3,5-dimethyl-4-(methylamino)phenyl)acrylonitrile	NA	Rilpivirine Side Chain (E-isomer)	C12H14N2	186.26
949	Rilpivirine	Rilpivirine Impurity 6 - Z isomer		Impurity	AQ-TR-C-479	(Z)-3-(3,5-dimethyl-4-(methylamino)phenyl)acrylonitrile	NA	Rilpivirine Side Chain (Z-isomer)	C12H14N2	186.26
950		Rilpivirine Amide Impurity-1		Impurity	AQ-TR-C-801	(E)-3-(4-((2-((4-cyanophenyl)amino)pyrimidin-4-yl)amino)-3,5-dimethylphenyl)acrylamide	500288-66-4	NA	C22H20N6O	384.44
951		Rilpivirine Amide Impurity-2		Impurity	AQ-TR-C-802	(E)-4-((4-((4-(2-cyanovinyl)-2,6-dimethylphenyl)amino)pyrimidin-2-yl)amino)benzamide	1446439-51-5	NA	C22H20N6O	384.44
952		Rilpivirine Desmethyl Impurity		Impurity	AQ-TR-C-826	(E)-4-((4-((4-(2-cyanovinyl)-2-methylphenyl)amino)pyrimidin-2-yl)amino)benzonitrile	500292-48-8	NA	C21H16N6	352.4
953		Rilpivirine Methyl Ester Impurity		Impurity	AQ-TR-C-827	methyl (E)-4-((4-((4-(2-cyanovinyl)-2,6-dimethylphenyl)amino)pyrimidin-2-yl)amino)benzoate	NA	NA	C23H21N5O2	399.45
954		1-(4-fluorobenzyl)-1H-pyrazolo[3,4-b]pyridine-3-carboximidamide hydrochloride (m-Fluro FPC)		Impurity	AQ-TR-C-431	1-(3-fluorobenzyl)-1H-pyrazolo[3,4-b]pyridine-3-carboximidamide hydrochloride	2101651-50-5 (Free base)	Riociguat Impurity, m-Fluro FPC	C14H12FN5 (Free Base) C14H13ClFN5 (HCl Salt)	269.28 (Free Base) 305.74 (HCl Salt)
955	Riociguat	1-(4-fluorobenzyl)-1H-pyrazolo[3,4-b]pyridine-3-carboximidamide hydrochloride [P-Fluro FPC]		Impurity	AQ-TR-C-432	1-(4-fluorobenzyl)-1H-pyrazolo[3,4-b]pyridine-3-carboximidamide hydrochloride	NA	Riociguat Impurity, P-Fluro FPC	C14H12FN5 (Free Base) C14H13ClFN5 (HCl Salt)	269.28 (Free Base) 305.74 (HCl Salt)
956		1-benzyl-1H-pyrazolo[3,4-b]pyridine-3-carboximidamide hydrochloride [Desfluro FPC]		Impurity	AQ-TR-C-433	1-benzyl-1H-pyrazolo[3,4-b]pyridine-3-carboximidamide hydrochloride	NA	Riociguat Impurity, Desfluro FPC	C14H13N5 (Free Base) C14H14ClN5 (HCl Salt)	251.29 (Free Base) 287.75 (HCl Salt)
957		Ritonavir Enantiomer		Impurity	AQ-TR-C-594	thiazol-5-ylmethyl ((2R,3R,5R)-3-hydroxy-5-((R)-2-(3-((2-isopropylthiazol-4-yl)methyl)-3-methylureido)-3-methylbutanamido)-1,6-diphenylhexan-2-yl)carbamate	NA	NA	C37H48N6O5S2	720.95
958		Ritonavir Impurity		Impurity	AQ-TR-C-725	thiazol-5-ylmethyl ((2S,3S,5S)-5-((S)-2-(3,3-dimethylureido)-3-methylbutanamido)-3-hydroxy-1,6-diphenylhexan-2-yl)carbamate	NA	NA	C31H41N5O5S	595.76

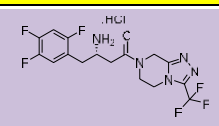
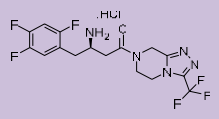
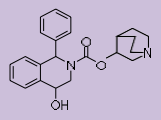
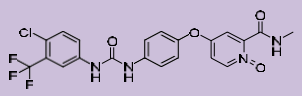
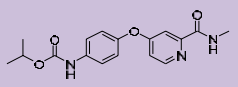
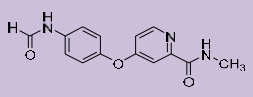
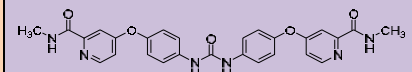
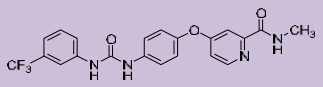
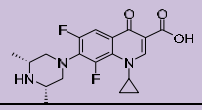
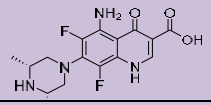
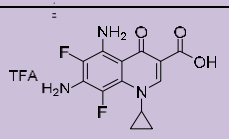
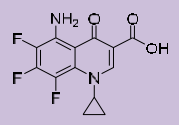
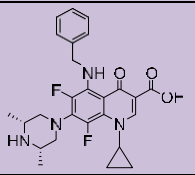
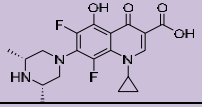
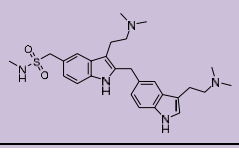
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
959	Ritonavir	Ritonavir Impurity-E		Impurity	AQ-TR-C-745	thiazol-5-ylmethyl ((2S,3S,5S)-3-hydroxy-5-((S)-2-(3-((2-(2-hydroxypropan-2-yl)thiazol-4-yl)methyl)-3-methylureido)-3-methylbutanamido)-1,6-diphenylhexan-2-yl)carbamate	NA	NA	C37H48N6O6S2	736.95
960		Ritonavir EP Impurity D		impurity	AQ-TR-C-965	Thiazol-5-ylmethyl ((2S,3S,5S)-5-((S)-2-amino-3-methylbutanamido)-3-hydroxy-1,6-diphenylhexan-2-yl) carbamate	765875-58-9	NA	C28H36N4O4S	524.68
961		Ritonavir EP Impurity I		impurity	AQ-TR-C-966	thiazol-5-ylmethyl ((2S,3S,5S)-5-((S)-2-(3-((2-ethylthiazol-4-yl)methyl)-3-methylureido)-3-methylbutanamido)-3-hydroxy-1,6-diphenylhexan-2-yl)carbamate	165315-26-4	Ritonavir Ethyl Analogue	C36H46N6O5S2	706.92
962		Ritonavir EP Impurity L		impurity	AQ-TR-C-967	(S)-N-((S)-1-((4S,5S)-4-benzyl-2-oxooxazolidin-5-yl)-3-phenylpropan-2-yl)-2-(3-((2-isopropylthiazol-5-yl)methyl)-3-methylureido)-3-methylbutanamide	256328-82-2	NA	C33H43N5O4S	605.8
963		Ritonavir Boc-aminoalcohol		impurity	AQ-TR-C-968	tert-butyl (thiazol-5-ylmethyl) ((2S,3S,5S)-3-hydroxy-1,6-diphenylhexane-2,5-diyl)dicarbamate	162849-95-8	NA	C28H35N3O5S	525.66
964		Ritonavir EP Impurity A		impurity	AQ-TR-C-969	(((2-isopropylthiazol-4-yl)methyl)(methyl)carbamoyl)-L-valine	154212-61-0	Ureidovaline Ritonavir	C14H23N3O3S	313.42
965		Ritonavir Impurity K		impurity	AQ-TR-C-970	isobutyl (thiazol-5-ylmethyl) ((2S,3S,5S)-3 hydroxy-1,6-diphenylhexane-2,5-diyl)dicarbamate	1010809-39-8	Ritonavir Isobutoxycarbonyl Aminoalcohol	C28H35N3O5S	525.7
966		Des-isopropylthiazolyl Ritonavir		impurity	AQ-TR-C-1061	Thiazol-5-ylmethyl((2S,3S,5S)-3-hydroxy-5-((S)-3-methyl-2-(3-methylureido)butanamido)-1,6-diphenylhexan-2-yl)carbamate	176655-57-5	Ritonavir Impurity 18	C30H39N5O5S	581.73
967		Ritonavir Impurity G		impurity	AQ-TR-C-1062	Thiazol-5-ylmethyl ((2S,3S,5S)-5-((S)-2-(3-((2-(2-hydroperoxypropan-2-yl)thiazol-4-yl)methyl)-3-methylureido)-3-methylbutanamido)-3-hydroxy-1,6-diphenylhexan-2-yl)carbamate	2034136-66-6	Ritonavir Hydroperoxide Impurity	C37H48N6O7S2	752.95
968		Ritonavir EP Impurity S		impurity	AQ-TR-C-1170	thiazol-5-ylmethyl ((5R,6R,8R,12S,15S,17S,18S)-5,8,15-tribenzyl-6,17-dihydroxy-12-isopropyl-3,10,13-trioxo-19-phenyl-1-(thiazol-5-yl)-2-oxa-4,9,11,14-tetraazanonadecan-18-yl)carbamate	NA	Ritonavir Valine Urea Anologue	C52H61N7O8S2	976.22
969	Risperidone	7-Fluoro Risperidone		Impurity	AQ-TR-C-895	3-(2-(4-(7-fluorobenzo[d]isoxazol-3-yl)piperidin-1-yl)ethyl)-2-methyl-6,7,8,9-tetrahydro-4H-pyrido[1,2-a]pyrimidin-4-one	NA	NA	C23H27FN4O2	410.49
970		4-Fluoro Risperidone		Impurity	AQ-TR-C-896	3-(2-(4-(4-fluorobenzo[d]isoxazol-3-yl)piperidin-1-yl)ethyl)-2-methyl-6,7,8,9-tetrahydro-4H-pyrido[1,2-a]pyrimidin-4-one			C23H27FN4O2	410.49
971	Rivaroxaban	Rivaroxaban EP impurity H		Impurity	AQ-TR-C-682	(S)-4,5-dichloro-N-((2-oxo-3-(4-(3-oxomorpholino)phenyl)oxazolidin-5-yl)methyl)thiophene-2-carboxamide	1770812-37-7	Rivaroxaban Impurity D	C19H17Cl2N3O5S	470.32
972		Rivaroxaban EP impurity J		Impurity	AQ-TR-C-683	5-chloro-N-(4-((S)-5-((5-chlorothiophene-2-carboxamido)methyl)-2-oxooxazolidin-3-yl)phenyl)-N-(2-(2-oxo-2-((((S)-2-oxo-3-(4-(3-oxomorpholino)phenyl)oxazolidin-5-yl)methyl)amino)ethoxy)ethyl)thiophene-2-carboxamide	1632463-24-1	Rivaroxaban Impurity E; Rivaroxaban Pseudodimer; Rivaroxaban Dimer Impurity	C38H36Cl2N6O10S2	871.76
973		Rivaroxaban EP impurity I		Impurity	AQ-TR-C-684	(S)-2-(2-(5-chloro-N-(4-(5-((5-chlorothiophene-2-carboxamido)methyl)-2-oxooxazolidin-3-yl)phenyl)thiophene-2-carboxamido)ethoxy)acetic acid	1151893-81-0	Rivaroxaban Impurity 32; Rivaroxaban Amine Impurity	C24H21Cl2N3O7S2	598.47
974		Rivaroxaban impurity B		Impurity	AQ-TR-C-685	(S)-2-(2-((4-(5-((5-chlorothiophene-2-carboxamido)methyl)-2-oxooxazolidin-3-yl)phenyl)amino)ethoxy)acetic acid hydrochloride	931117-61-2	Rivaroxaban Impurity-14 hydrochloride; Rivaroxaban Impurity A hydrochloride	C19H21Cl2N3O6S (HCl Salt) C19H20ClN3O6S (Free base)	490.35 (HCl Salt) 453.89 (Free base)

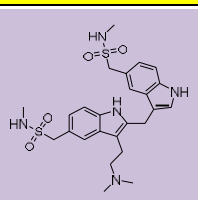
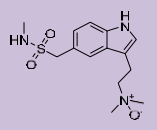
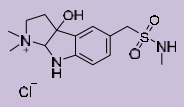
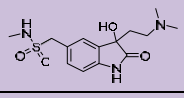
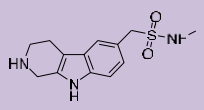
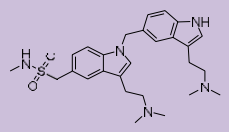
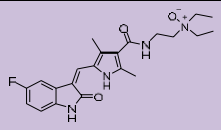
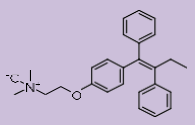
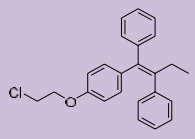
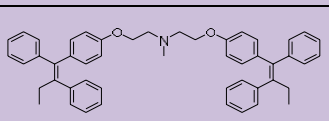
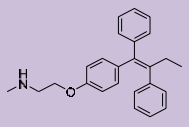
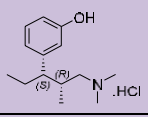
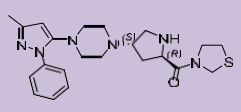
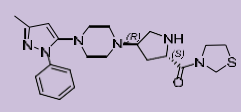
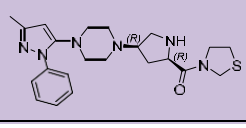
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
975		RVX III Impurity 5		Impurity	AQ-TR-C-723	(S)-1-(3-amino-2-hydroxypropyl)-3-methyl-1-(4-(3-oxomorpholino)phenyl)urea hydrochloride	NA	NA	C15H23ClN4O4 (HCl Salt) C15H22N4O4 (Free base)	358.82 (HCl Salt) 322.37 (Free base)
976		1,3-bis(((R)-2-oxo-3-(4-(3-oxomorpholino)phenyl)oxazolidin-5-yl)methyl)urea		Impurity	AQ-TR-C-795	1,3-bis(((R)-2-oxo-3-(4-(3-oxomorpholino)phenyl)oxazolidin-5-yl)methyl)urea	NA	Rivaroxaban Impurity C; Rivaroxaban Impurity 5	C29H32N6O9	608.61
977		Rivaroxaban Ring Opening Impurity		impurity	AQ-TR-C-1042	(S)-5-chloro-N-(4-(5-((5-chlorothiophene-2-carboxamido)methyl)-2-oxooxazolidin-3-yl)phenyl)-N-(2-(2-(methylamino)-2-oxoethoxy)ethyl)thiophene-2-carboxamide	1807455-76-0	Rivaroxaban Impurity10, Rivaroxaban Impurity H, Rivaroxaban Open-Ring N-Methyl Impurity	C25H24Cl2N4O6S2	611.51
978	Ropivacaine	Ropivacaine (Racemic mixture)		impurity	DCTI-C-1150	N-(2,6-dimethylphenyl)-1-propylpiperidine-2-carboxamide	98626-61-0	(±)-Ropivacaine; LEA 103/104	C17H26N2O	274.41
979	Roxithromycin	O-(2-methoxy ethoxy methyl) hydroxylamin		impurity	AQ-TR-C-1163	O-((2-methoxyethoxy)methyl)hydroxylamine	113952-50-4	Roxithromycin Impurity	C4H11NO3	121.14
980		(2R,4S)-Sacubitril		Impurity	AQ-TR-C-033	4-(((2R,4S)-1-([1,1'-biphenyl]-4-yl)-5-ethoxy-4-methyl-5-oxopentan-2-yl)amino)-4-oxobutanoic acid	761373-05-1	NA	C24H29NO5	411.5
981		(2R,4R)-Sacubitril		Impurity	AQ-TR-C-034	4-(((2R,4R)-1-([1,1'-biphenyl]-4-yl)-5-ethoxy-4-methyl-5-oxopentan-2-yl)amino)-4-oxobutanoic acid	766480-48-2	AHU 377	C24H29NO5	411.5
982	Sacubitril	(2S,4S)-Sacubitril		Impurity	AQ-TR-C-035	4-(((2S,4S)-1-([1,1'-biphenyl]-4-yl)-5-ethoxy-4-methyl-5-oxopentan-2-yl)amino)-4-oxobutanoic acid	149709-63-7	NA	C24H29NO5	411.5
983		3-Methyl Pyrrolidione (for Sacubitril)		Impurity	AQ-TR-C-648	5-([1,1'-biphenyl]-4-ylmethyl)-3-methylpyrrolidin-2-one	1038925-22-2	Sacubitril Impurity	C18H19NO	265.36
984		Sacubitril amino acid impurity		Impurity	AQ-TR-C-649	5-([1,1'-biphenyl]-4-yl)-4-amino-2-methylpentanoic acid hydrochloride	NA	NA	C18H22ClNO2 (HCl Salt) C18H21NO2 (Free base)	319.83 (HCl Salt) 283.37 (Free base)
985	Safinamide	Safinamide impurity		Impurity	AQ-TR-C-230	(S)-2-((3-(3-fluorobenzyl)-4-((3-fluorobenzyl)oxy)benzyl)amino)propanamide	1000370-27-3	NA	C24H24F2N2O2	410.46
986		Salbutamol EP Impurity K		Impurity	AQ-TR-C-233	2-(tert-butylamino)-1-(3-chloro-4-hydroxy-5-(hydroxymethyl)phenyl)ethan-1-one	898542-80-8	NA	C13H18ClNO3	271.74
987		5-Hydroxy Salbutamol		Impurity	AQ-TR-C-248	5-(2-(tert-butylamino)-1-hydroxyethyl)-3-(hydroxymethyl)benzene-1,2-diol	182676-90-0	NA	C13H21NO4	255.31
988	Salbutamol	Salbutamol Impurity L		Impurity	AQ-TR-C-206	4-(2-(tert-butylamino)-1-hydroxyethyl)-2-chloro-6-(hydroxymethyl)phenol hydrochloride	898542-81-9	NA	C13H21Cl2NO3 (HCl Salt) C13H20ClNO3 (Free base)	310.22 (HCl Salt) 273.76 (Free base)
989		Salbutamol Impurity P		Impurity	AQ-TR-C-390	4-(2-(tert-butylamino)-1-hydroxyethyl)-2-((2-hydroxy-2-(4-hydroxy-3-(hydroxymethyl)phenyl)ethoxy)methyl)phenol, acetate salt	NA	NA	C24H34NO8-	464.54

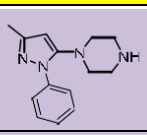
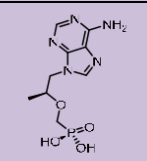
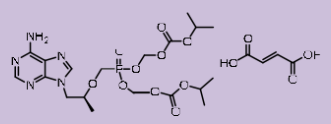
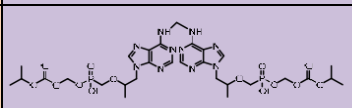
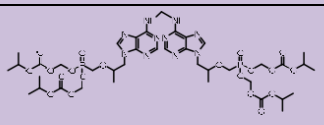
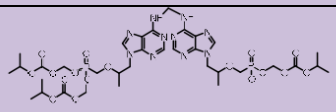
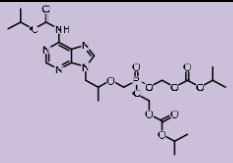
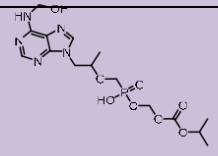
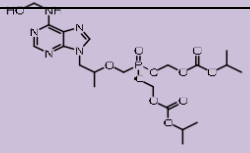
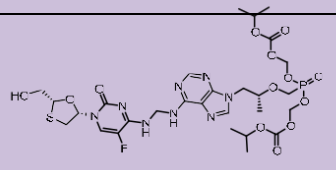
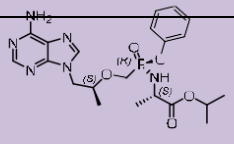
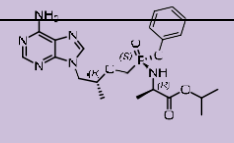
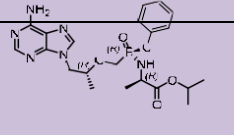
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
990		Salbutamol Head and tail dimer		impurity	AQ-TR-C-1184	4-[2-(tert-butylamino)-1-hydroxyethyl]-2-(4-hydroxy-3-(hydroxymethyl)benzyl)phenol	156339-89-8	NA	C20H27NO4	345.44
991		Salbutamol EP Imp-C Tertiary butyl amine salt		impurity	AQ-TR-C-1232	2-methylpropan-2-aminium4-[2-(tert-butylamino)-1-hydroxyethyl]-2-methylphenolate	NA	NA	C17H32N2O2 (Ter Butyl Amine Salt) C13H21NO2 (Free Base)	296.46 (Ter Butyl Amine Salt) 223.32 (Free Base)
992		Salmeterol EP Impurity G		Impurity	AQ-TR-C-105	4-(1-hydroxy-2-{[2-hydroxy-5-(1-hydroxy-2-{[6-(4-phenylbutoxy)hexyl]amino}ethyl)benzyl][6-(4-phenylbutoxy)hexyl]amino}ethyl)-2-(hydroxymethyl)phenol	1391051-88-9	NA	C50H72N2O7	813.13
993		Salmeterol Related Impurity 7		Impurity	AQ-TR-C-207	N-(4-methylbenzyl)-6-(4-phenylbutoxy)hexan-1-amine hydrochloride	NA	NA	C24H36ClNO (HCl Salt) C24H35NO (Free base)	390.01 (HCl salt) 353.55 (Free base)
994		Salmeterol Related Impurity-2		Impurity	AQ-TR-C-208	N-benzyl-4-phenylbutan-1-amine hydrochloride	NA	NA	C17H22ClN (HCl Salt) C17H21N (Free base)	275.82 (HCl Salt) 239.36 (Free base)
995		Salmeterol Related Impurity-4		Impurity	AQ-TR-C-209	N-benzyl-N-(4-phenylbutyl)methanesulfonamide	NA	NA	C18H23NO2S	317.45
996		Salmeterol Related impurity-5		Impurity	AQ-TR-C-210	N-benzyl-N-(6-(4-phenyl butoxy) hexyl) methane sulphonamide	NA	NA	C24H35NO3S	417.61
997		Salmeterol Related Impurity-8		Impurity	AQ-TR-C-211	1,6-bis(4-phenylbutoxy)hexane	NA	NA	C26H38O2	382.59
998		Salmeterol Related Impurity-9		Impurity	AQ-TR-C-212	N-benzyl-6-((6-(4-phenylbutoxy)hexyl)oxy)hexan-1-amine hydrochloride	NA	NA	C29H46ClNO2 (HCl Salt) C29H45NO2 (Free base)	476.14 (HCl Salt) 439.68 (Free base)
999		Salmeterol Related Impurity-10		Impurity	AQ-TR-C-213	N-benzyl-6-(4-phenylbutoxy)-N-(4-phenylbutyl)hexan-1-amine	NA	NA	C33H45NO	471.73
1000		Salmeterol Related Impurity-11		Impurity	AQ-TR-C-214	N^1,N^6-dibenzylhexane-1,6-diamine dihydrochloride	NA	NA	C20H30Cl2N2 (2HCl Salt) C20H28N2 (Free base)	369.37 (2HCl Salt) 296.46 (Free base)
1001		Salmeterol Related Impurity-1		Impurity	AQ-TR-C-235	N-benzyl-6-(4-phenylbutoxy)-N-(6-(4-phenylbutoxy)hexyl)hexan-1-amine	NA	NA	C39H57NO2	571.89
1002		1-(4-(benzyloxy)-3-methylphenyl)-2-bromoethan-1-one		Impurity	AQ-TR-C-506	1-(4-(benzyloxy)-3-methylphenyl)-2-bromoethan-1-one	56443-33-5	NA	C16H15BrO2	319.2
1003		4,4'-(1,3-phenylene)bis(butan-1-ol)		Impurity	AQ-TR-C-507	4,4'-(1,3-phenylene)bis(butan-1-ol)	134520-03-9	Meta di subtituted phenyl butanol	C14H22O2	222.33
1004	Salmeterol	Benzyl 2-(benzyloxy)benzoate		Impurity	AQ-TR-C-508	benzyl 2-(benzyloxy)benzoate	14389-87-8	NA	C21H18O3	318.37
1005		Benzyl 5-acetyl-2-(benzyloxy)benzoate		Impurity	AQ-TR-C-517	benzyl 5-acetyl-2-(benzyloxy)benzoate	1292299-06-9	NA	C23H20O4	360.41
1006		1-bromo-2-(4-bromobutyl)benzene		Impurity	AQ-TR-C-548	1-bromo-2-(4-bromobutyl)benzene	1342870-80-7	NA	C10H12Br2	292.01

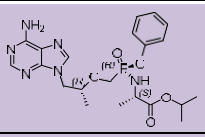
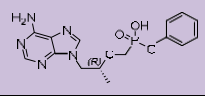
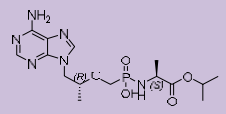
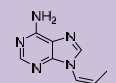
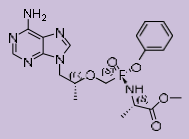
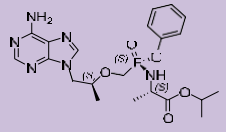
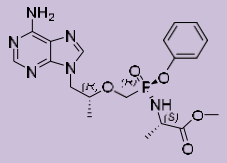
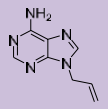
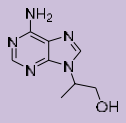
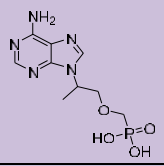
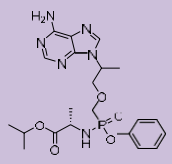
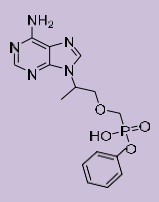
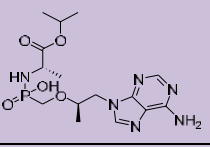
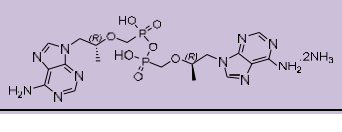
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
1007		1-bromo-4-(4-bromobutyl) benzene		Impurity	AQ-TR-C-540	1-bromo-4-(4-bromobutyl)benzene	88999-91-1	NA	C10H12Br2	292.01
1008		4,4'-(1,4-phenylene)bis(butan-1-ol)		Impurity	AQ-TR-C-650	4,4'-(1,4-phenylene)bis(butan-1-ol)	21240-37-9	p-Benzenedibutanol (8CI)	C14H22O2	222.33
1009		4,4'-(1,2-phenylene)bis(butan-1-ol)		Impurity	AQ-TR-C-651	4,4'-(1,2-phenylene)bis(butan-1-ol)	134520-06-2	NA	C14H22O2	222.33
1010		Benzylated amino methyl impurity of SAM-V		Impurity	AQ-TR-C-595	(5-(aminomethyl)-2-(benzyloxy)phenyl)methanol hydrochloride	NA	NA	C15H18ClNO2 (HClSalt) C15H17NO2 (Free base)	279.76 (HCl Salt) 243.31 (Free base)
1011		Alpha-Hydroxy salmeterol		Impurity	AQ-TR-C-667	4-(1-hydroxy-2-((6-(4-hydroxy-4-phenylbutoxy)hexyl)amino)ethyl)-2-(hydroxymethyl)phenol	152405-02-2	NA	C25H37NO5	431.57
1012		6-Amino-1-(4-(benzyloxy)-3-(hydroxymethyl)phenyl)hexan-1-ol		Impurity	AQ-TR-C-811	6-amino-1-(4-(benzyloxy)-3-(hydroxymethyl)phenyl)hexan-1-ol	NA	NA	C20H27NO3	329.44
1013		1-(4-(benzyloxy)-3-(hydroxymethyl)phenyl)-2-((6-(4-phenylbutoxy)hexyl)amino)ethan-1-ol		Impurity	AQ-TR-C-789	1-(4-(benzyloxy)-3-(hydroxymethyl)phenyl)-2-((6-(4-phenylbutoxy)hexyl)amino)ethan-1-ol	NA	NA	C32H43NO4	505.7
1014		Dimethyl-4-(benzyloxy)isopthalate		Impurity	AQ-TR-C-816	dimethyl 4-(benzyloxy)isophthalate	63295-94-3	NA	C17H16O5	300.31
1015		2-(benzyl(6-(4-phenylbutoxy)hexyl)amino)-1-(4-(benzyloxy)-3-(hydroxymethyl)phenyl)ethan-1-one		Impurity	AQ-TR-C-787	2-(benzyl(6-(4-phenylbutoxy)hexyl)amino)-1-(4-(benzyloxy)-3-(hydroxymethyl)phenyl)ethan-1-one	NA	NA	C39H47NO4	593.81
1016		(4-(benzyloxy)-1,3-phenylene)dimethanol		impurity	AQ-TR-C-973	(4-(benzyloxy)-1,3-phenylene)dimethanol	63295-95-4	NA	C15H16O3	244.29
1017		2-amino-1-(4-(benzyloxy)-3-(hydroxymethyl)phenyl)ethan-1-ol		impurity	AQ-TR-C-1214	2-amino-1-(4-(benzyloxy)-3-(hydroxymethyl)phenyl)ethan-1-ol	92900-77-1	NA	C16H19NO3	273.33
1018	Saxagliptin	Saxagliptin Imine Impurity		impurity	AQ-TR-C-1242	(1aS,4S,6aS,7aS)-6-amino-4-(3-hydroxyadamantan-1-yl)-1,1a,4,6a,7,7a-hexahydro-3H-cyclopropa[4,5]pyrrolo[1,2a]pyrazin-3-one	1194836-77-5	NA	C18H25N3O2	315.42
1019	Scopolamine	Scopolamine Enantiomer		Impurity	AQ-TR-C-908	(1R,2R,4S,5S,7s)-9-methyl-3-oxa-9-azatricyclo[3.3.1.02,4]nonan-7-yl (R)-3-hydroxy-2-phenylpropanoate	NA	NA	C17H21NO4	303.36
1020	Selexipag	Selexipag Impurity 2		Impurity	AQ-TR-C-391	ethyl 2-(4-((5,6-diphenylpyrazin-2-yl)(isopropyl)amino)butoxy)acetate	NA	NA	C27H33N3O3	447.58
1021		Selexipag Impurity-3		Impurity	AQ-TR-C-635	tert-butyl 2-(4-((5,6-diphenylpyrazin-2-yl)(isopropyl)amino)butoxy)acetate	475084-96-9	NA	C29H37N3O3	475.63
1022		Homo Sildenafil		Impurity	AQ-TR-C-094	5-(2-ethoxy-5-((4-ethylpiperazin-1-yl)sulfonyl)phenyl)-1-methyl-3-propyl-1,4 dihydro-7H-pyrazolo[4,3-d]pyrimidin-7-one	642928-07-2	NA	C23H32N6O4S	488.61
1023		Piperazine N-desmethyl Sildenafil		Impurity	AQ-TR-C-059	5-(2-ethoxy-5-(piperazin-1-ylsulfonyl)phenyl)-1-methyl-3-propyl-1,4-dihydro-7H-pyrazolo[4,3-d]pyrimidin-7-one	139755-82-1	UK 103320	C21H28N6O4S	460.55
1024		sildenafil ethyl side chain		Impurity	AQ-TR-C-061	N-(2-aminoethyl)-4-ethoxy-3-(1-methyl-7-oxo-3-propyl-4,7-dihydro-1H-pyrazolo[4,3-d]pyrimidin-5-yl)benzenesulfonamide	1015447-61-6	NA	C19H26N6O4S	434.52

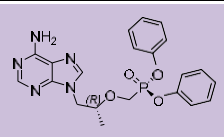
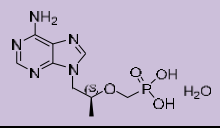
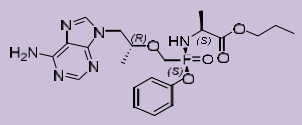
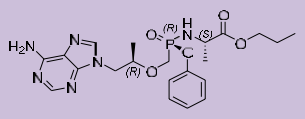
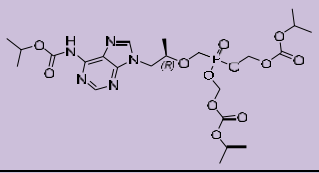
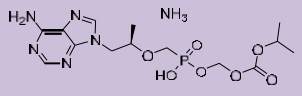
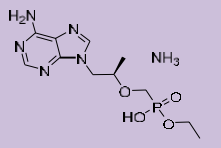
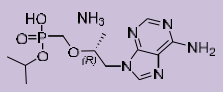
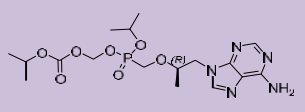
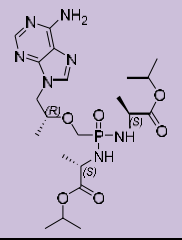
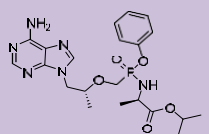
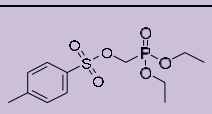
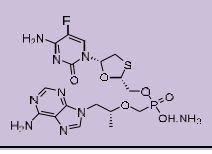
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
1025	Sildenafil	Descarbon Sildenafil		Impurity	AQ-TR-C-077	N-(2-(dimethylamino)ethyl)-4-ethoxy-3-(1-methyl-7-oxo-3-propyl-4,7-dihydro-1H-pyrazolo[4,3-d]pyrimidin-5-yl)benzenesulfonamide	1393816-99-3	NA	C21H30N6O4S	462.57
1026		Sildenafil sulfonamide		Impurity	AQ-TR-C-078	N-(2-aminoethyl)-4-ethoxy-N-methyl-3-(1 methyl-7-oxo-3-propyl-4,7-dihydro-1H-pyrazolo[4,3-d]pyrimidin-5-yl)benzenesulfonamide	NA	NA	C20H28N6O4S	448.54
1027		Hydroxy Homo Sildenafil		Impurity	AQ-TR-C-095	5-(2-ethoxy-5-((4-(2-hydroxyethyl)piperazin-1-yl)sulfonyl)phenyl)-1-methyl-3-propyl-1,4 dihydro-7H-pyrazolo[4,3-d]pyrimidin-7-one	139755-85-4	NA	C23H32N6O5S	504.61
1028		N-desmethyl N-Benzyl Sildenafil		Impurity	AQ-TR-C-096	5-(5-((4-benzylpiperazin-1-yl)sulfonyl)-2-ethoxyphenyl)-1-methyl-3-propyl-1,4-dihydro-7H-pyrazolo[4,3-d]pyrimidin-7-one	1446089-82-2	NA	C28H34N6O4S	550.68
1029		Sildenafil Chlorosulfonyl compound		Impurity	AQ-TR-C-097	4-ethoxy-3-(1-methyl-7-oxo-3-propyl-4,7-dihydro-1H-pyrazolo[4,3-d]pyrimidin-5-yl)benzenesulfonyl chloride	139756-22-2	NA	C17H19ClN4O4S	410.87
1030		Sildenafil N-oxide		Impurity	AQ-TR-C-177	4-((4-ethoxy-3-(1-methyl-7-oxo-3-propyl-4,7-dihydro-1H-pyrazolo[4,3-d]pyrimidin-5-yl)phenyl)sulfonyl)-1-methylpiperazine 1-oxide	1094598-75-0	NA	C22H30N6O5S	490.58
1031		Sildenafil impurity		impurity	AQ-TR-C-1138	N-(2-aminoethyl)-4-ethoxy-N-methyl-3-(1 methyl-7-oxo-3-propyl-6,7-dihydro-1H-pyrazolo[4,3-d]pyrimidin-5-yl)benzenesulfonamide	NA	NA	C20H28N6O4S	448.54
1032	Silodosin	Silodosin KSM		Impurity	AQ-TR-C-171	(R)-3-(5-(2-aminopropyl)-7-cyanoindolin-1-yl)propyl benzoate (2R,3R)-2,3-dihydroxysuccinate	239463-85-5	NA	C26H31N3O8 (Salt) C22H25N3O2 (Free base)	513.55 (Salt) 363.46 (Free base)
1033		Silodosin Nitrile Impurity		Impurity	AQ-TR-C-392	(R)-1-(3-hydroxypropyl)-5-(2-((2-(2,2,2-trifluoroethoxy)phenoxy)ethyl)amino)propyl)indoline-7-carbonitrile	885340-13-6	NA	C25H30F3N3O3	477.53
1034	Sitagliptin	Sitagliptin Triazecine Analog		Impurity	AQ-TR-C-748	10-(2,4,5-trifluorobenzyl)-3-(trifluoromethyl)-6,7,10,11-tetrahydro-[1,2,4]triazolo[3,4-c][1,4,7]triazecine-8,12(5H,9H)-dione	NA	Sitagliptin EP Impurity FP-B	C16H13F6N5O2	421.3
1035		Sitagliptin Enamine impurity		Impurity	AQ-TR-C-776	3-amino-1-(3-(trifluoromethyl)-5,6-dihydro-[1,2,4]triazolo[4,3-a]pyrazin-7(8H)-yl)-4-(2,4,5-trifluorophenyl)but-2-en-1-one	NA	NA	C16H13F6N5O	405.3
1036		Sitagliptin hydroxy amide impurity		Impurity	AQ-TR-C-777	3-hydroxy-1-(3-(trifluoromethyl)-5,6-dihydro-[1,2,4]triazolo[4,3-a]pyrazin-7(8H)-yl)-4-(2,4,5-trifluorophenyl)butan-1 one	1253056-01-7	NA	C16H14F6N4O2	408.3
1037		rac-Sitagliptin		Impurity	AQ-TR-C-823	3-amino-1-(3-(trifluoromethyl)-5,6-dihydro-[1,2,4]triazolo[4,3-a]pyrazin-7(8H)-yl)-4-(2,4,5-trifluorophenyl)butan-1 one hydrochloride	NA	NA	C16H15F6N5O (Free base) C16H16ClF6N5O (Salt)	407.31 (Free base) 443.8 (Salt)
1038		Sitagliptin Keto Amide Impurity		Impurity	AQ-TR-C-824	1-(3-(trifluoromethyl)-5,6-dihydro-[1,2,4]triazolo[4,3-a]pyrazin-7(8H)-yl)-4-(2,4,5-trifluorophenyl)butane-1,3-dione	764667-65-4	Prositagliptin ketone	C16H12F6N4O2	406.29
1039		Sitagliptin acid		Impurity	AQ-TR-C-825	(R)-3-amino-4-(2,4,5-trifluorophenyl)butanoic acid hydrochloride	1204818-19-8	Sitagliptin EP impurity E; Sitagliptin impurity-E	C10H10F3NO2 (Free Base) C10H11ClF3NO2 (Salt)	233.19 (Free Base) 269.65 (Salt)

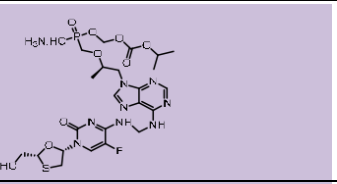
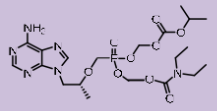
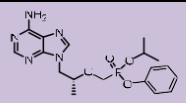
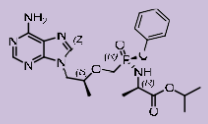
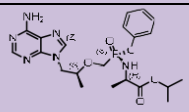
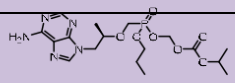
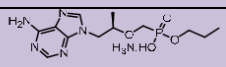
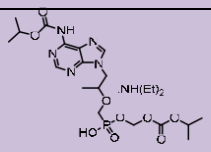
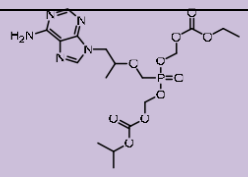
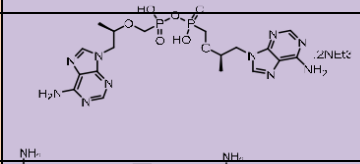
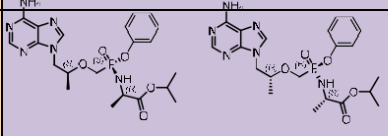
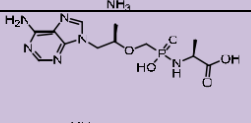
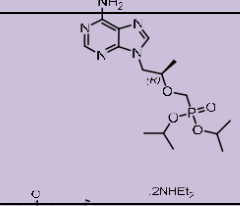
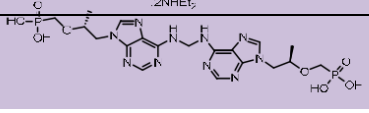
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
1040	Sitagliptin	(S)-Sitagliptin		Impurity	AQ-TR-C-848	(S)-3-amino-1-(3-(trifluoromethyl)-5,6-dihydro-[1,2,4]triazolo[4,3-a]pyrazin-7(8H)-yl)-4-(2,4,5-trifluorophenyl)butan-1-one hydrochloride	823817-55-6	NA	C16H16ClF6N5	443.8
1041		Sitagliptin		Impurity	AQ-TR-C-849	(R)-3-amino-1-(3-(trifluoromethyl)-5,6-dihydro-[1,2,4]triazolo[4,3-a]pyrazin-7(8H)-yl)-4-(2,4,5-trifluorophenyl)butan-1-one hydrochloride	486460-32-6		C16H15F6N5O (Free Base) C16H16ClF6N5O (Salt)	407.31 (Free Base) 443.8 (HCl Salt)
1042	Solifenacin	Solifenacin Impurity		Impurity	AQ-TR-C-102	quinuclidin-3-yl 4-hydroxy-1-phenyl-3,4-dihydroisoquinoline-2(1H)-carboxylate	936943-64-5	NA	C23H26N2O3	378.47
1043	Sorafenib	Sorafenib N-Oxide		impurity	AQ-TR-C-1079	4-(4-(3-(4-chloro-3-(trifluoromethyl)phenyl)ureido)phenoxy)-2-(methylcarbamoyl)pyridine 1-oxide	583840-03-3	BAY 67-3472	C21H16ClF3N4O4	480.82
1044		Sorafenib Impurity-D		impurity	AQ-TR-C-1305	isopropyl (4-((2-(methylcarbamoyl)pyridin-4-yl)oxy)phenyl)carbamate	2206827-14-5	Sorafenib Impurity 10, Sorafenib Related Compound 6	C17H19N3O4	329.36
1045		Sorafenib Impurity-B		impurity	AQ-TR-C-1306	4-(4-formamidophenoxy)-N-methylpicolinamide	2004659-84-9	Sorafenib Impurity 29, Sorafenib Related Compound 12	C14H13N3O3	271.28
1046		Sorafenib Impurity-E		impurity	AQ-TR-C-1307	4,4'-(((carbonylbis(azanediyl))bis(4,1-phenylene))bis(oxy))bis(N-methylpicolinamide)	284670-98-0	Sorafenib related compound 15	C27H24N6O5	512.53
1047		Sorafenib Impurity-F		impurity	AQ-TR-C-1308	N-methyl-4-(4-(3-(3-(trifluoromethyl)phenyl)ureido)phenoxy) picolinamide	1285533-84-7	Sorafenib related compound 3, Sorafenib Deschloro Impurity, Sorafenib Impurity 6	C21H17F3N4O3	430.39
1048	Sparfloxacin	Sparfloxacin de-amino Impurity		Impurity	AQ-TR-C-860	1-cyclopropyl-7-((3R,5S)-3,5-dimethylpiperazin-1-yl)-6,8-difluoro-4-oxo-1,4-dihydroquinoline-3-carboxylic acid-rel-	103460-90-8	CP 104949	C19H21F2N3O3	377.39
1049		Sparfloxacin De-cyclopropyl Impurity		Impurity	AQ-TR-C-861	5-amino-7-((3R,5S)-3,5-dimethylpiperazin-1-yl)-6,8-difluoro-4-oxo-1,4-dihydroquinoline-3-carboxylic acid	NA	NA	C16H18F2N4O3	352.34
1050		Sparfloxacin Diamino Impurity		Impurity	AQ-TR-C-862	5,7-diamino-1-cyclopropyl-6,8-difluoro-4-oxo-1,4-dihydroquinoline-3-carboxylic acid-trifluoroacetate salt	NA	NA	C13H11F2N3O3 (Free Base) C15H11F5N3O4 (Salt)	295.25 (Free Base) 392.26 (Salt)
1051		Sparfloxacin Fluoro Impurity		Impurity	AQ-TR-C-863	5-amino-1-cyclopropyl-6,7,8-trifluoro-4-oxo-1,4-dihydroquinoline-3-carboxylic acid	103772-14-1	NA	C13H9F3N2O3	298.22
1052		Sparfloxacin Benzyl amino Impurity		Impurity	AQ-TR-C-864	5-(benzylamino)-1-cyclopropyl-7-((3R,5S)-3,5-dimethylpiperazin-1-yl)-6,8-difluoro-4-oxo-1,4-dihydroquinoline-3-carboxylic acid-rel-		Sparfloxacin Impurity 6	C26H28F2N4O3	482.53
1053		Sparfloxacin Hydroxy Impurity		Impurity	AQ-TR-C-865	1-cyclopropyl-7-((3R,5S)-3,5-dimethylpiperazin-1-yl)-6,8-difluoro-5-hydroxy-4-oxo-1,4-dihydroquinoline-3-carboxylic acid-rel-		Sparfloxacin Impurity 4	C19H21F2N3O4	393.39
1054		Sumatriptan Impurity-A		Impurity	AQ-TR-C-142	1-(3-(2-(dimethylamino)ethyl)-1-((3-(2-(dimethylamino)ethyl)-1H-indol-5-yl)methyl)-1H-indol-5-yl)-N-methylmethanesulfonamide	545338-89-4	NA	C27H37N5O2S	495.69

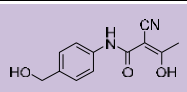
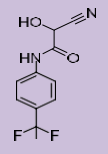
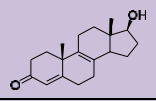
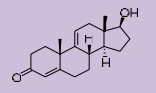
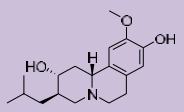
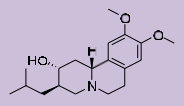
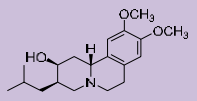
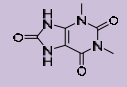
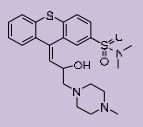
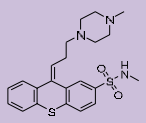
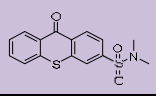
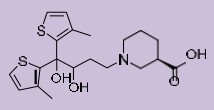
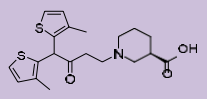
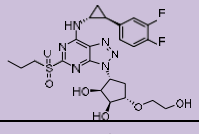
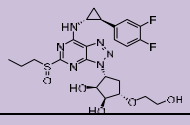
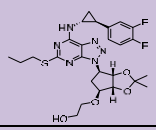
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
1055	Sumatriptan	Sumatriptan Succinate Impurity		Impurity	AQ-TR-C-185	1-(3-(2-(dimethylamino)ethyl)-2-((5-((N-methylsulfamoyl)methyl)-1H-indol-3-yl)methyl)-1H-indol-5-yl)-N-methylmethanesulfonamide	NA	NA	C25H33N5O4S2	531.69
1056		Sumatriptan N-oxide		Impurity	AQ-TR-C-246	N,N-dimethyl-2-(5-((N-methylsulfamoyl)methyl)-1H-indol-3-yl)ethan-1-amine oxide	212069-94-8	GR 112504; Sumatriptan EP Impurity D	C14H21N3O3S	311.4
1057		Sumatriptan Impurity 2		Impurity	AQ-TR-C-277	3a-hydroxy-1,1-dimethyl-5-((N-methylsulfamoyl)methyl)-1,2,3,3a,8,8a-hexahydropyrrolo[2,3-b]indol-1-ium chloride	NA	NA	C14H22ClN3O3S (With counter ion) C14H22N3O3S+ (Without counter ion)	347.86 (With counter ion) 312.41 (Without counter ion)
1058		Sumatriptan Impurity 2		impurity	AQ-TR-C-1106	1-(3-(2-(dimethylamino)ethyl)-3-hydroxy-2-oxoindolin-5-yl)-N-methylmethanesulfonamide	2250254-19-2	NA	C14H21N3O4S	327.4
1059		Sumatriptan impurity-F		impurity	AQ-TR-C-1169	N-methyl-1-(2,3,4,9-tetrahydro-1H-pyrido[3,4-b]indol-6-yl)methanesulfonamide	2074615-63-5	NA	C13H17N3O2S	279.36
1060		Sumatriptan EP Impurity- H		impurity	AQ-TR-C-1244	1-(3-(2-(dimethylamino)ethyl)-1-((3-(2-(dimethylamino)ethyl)-1H-indol-5-yl)methyl)-1H-indol-5-yl)-N-methylmethanesulfonamide	1391052-59-7	NA	C27H37N5O2S	495.69
1061	Sunitinib	Sunitinib N-Oxide		impurity	AQ-TR-C-1119	(E)-N,N-diethyl-3-((5-((5-fluoro-2-oxoindolin-3-ylidene)methyl)-2,4-dimethyl-1H-pyrrol-3-yl)amino)-3-oxopropan-1-amine oxide	356068-99-0	NA	$C_{22}H_{27}FN_4O_3$	414.21
1062	Tamoxifen	Tamoxifen N-Oxide		impurity	AQ-TR-C-1278	(Z)-2-(4-(1,2-diphenylbut-1-en-1-yl)phenoxy)-N,N-dimethylethan-1-amine oxide	75504-34-6	NA	C26H29NO2	387.52
1063		Z-Chlorolefin		impurity	AQ-TR-C-1279	(Z)-(1-(4-(2-chloroethoxy)phenyl)but-1-ene-1,2-diyl)dibenzene	97818-83-2	NA	C24H23ClO	362.90
1064		Bis-tamoxifen		impurity	AQ-TR-C-1280	2-(4-((Z)-1,2-diphenylbut-1-en-1-yl)phenoxy)-N-(2-(4-((Z)-1,2-diphenylbut-1-en-1-yl)phenoxy)ethyl)-N-methylethan-1-amine	1346606-51-6	Tamoxifen Dimer	C49H49NO2	683.94
1065		Tamoxifen Impurity F		impurity	AQ-TR-C-1281	(Z)-2-(4-(1,2-diphenylbut-1-en-1-yl)phenoxy)-N-methylethan-1-amine	31750-48-8	N-Desmethyl Tamoxifen; N-Demethyltamoxifen; ICI 55548	C25H27NO	357.5
1066	Tapentadol	Tapentadol Impurity A		Impurity	AQ-TR-C-668	3-((2R,3S)-1-(dimethylamino)-2-methylpentan-3-yl)phenol hydrochloride	1282502-22-0	NA	C14H24ClNO (HCl Salt) C14H23NO (Free base)	257.80 (HCl Salt) 221.34 (Free base)
1067	Teneligliptin	Teneligliptin (2R,4S)-isomer		Impurity	AQ-TR-C-598	((2R,4S)-4-(4-(3-methyl-1-phenyl-1H-pyrazol-5-yl)piperazin-1-yl)pyrrolidin-2-yl)(thiazolidin-3-yl)methanone	NA	NA	C22H30N6OS	426.58
1068		Teneligliptin (2S,4R)-isomer		Impurity	AQ-TR-C-599	((2S,4R)-4-(4-(3-methyl-1-phenyl-1H-pyrazol-5-yl)piperazin-1-yl)pyrrolidin-2-yl)(thiazolidin-3-yl)methanone	1404559-15-4	NA	C22H30N6OS	426.58
1069		Teneligliptin (2R,4R)-Isomer		Impurity	AQ-TR-C-657	((2R,4R)-4-(4-(3-methyl-1-phenyl-1H-pyrazol-5-yl)piperazin-1-yl)pyrrolidin-2-yl)(thiazolidin-3-yl)methanone	1404559-17-6	NA	C22H30N6OS	426.58

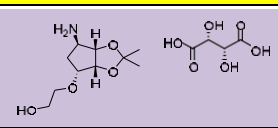
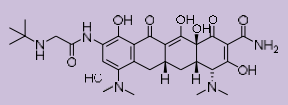
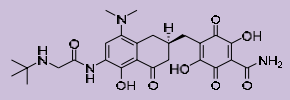
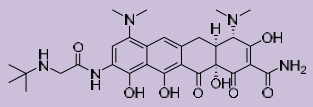
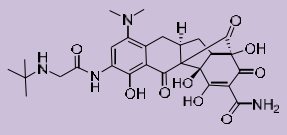
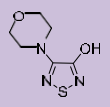
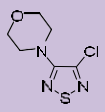
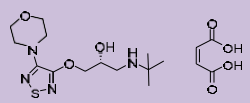
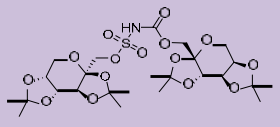
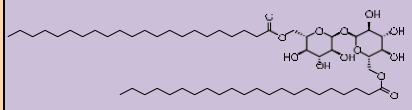
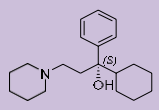
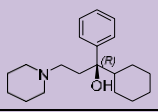
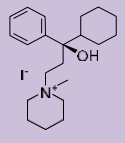
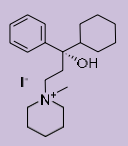
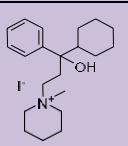
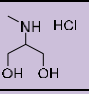
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
1070		1-(3-methyl-1-phenyl-1H-pyrazol-5-yl)piperazine		Impurity	AQ-TR-C-739	1-(3-methyl-1-phenyl-1H-pyrazol-5-yl)piperazine	401566-79-8	Teneligliptin Intermediate	C14H18N4	242.33
1071		Tenofovir		Impurity	AQ-TR-C-201	(S)-((((1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)phosphonic acid	147127-19-3	GS-1278	C9H14N5O4P	287.22
1072		S-Tenofovir Disoproxil Fumarate		Impurity	AQ-TR-C-089	(S)-((((((1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)phosphoryl)bis(oxy))bis(methylene) diisopropyl bis(carbonate) fumarate	1432630-26-6	GS 4331-05	C23H34N5O14P (Fumerate Salt) C19H30N5O10P (Free base)	635.52 (Fumerate Salt) 519.45 (Free base)
1073		Tenofovir Impurity F, Mono-Poc Dimer (Tenofovir Ph.Int.Impu-F)		Impurity	AQ-TR-C-047	((Hydroxy((((2R)-1-(4-((((1-((2R)-2-((hydroxyhydrophosphoryl)methoxy)propyl)-1H-benzo[d]imidazol-4-yl)amino)methyl)amino)-1H-benzo[d]imidazol-1-yl)propan-2-yl)oxy)methyl)phosphoryl)bis(oxy))bis(methylene)	1962114-92-6	NA	C29H44N10O14P2	818.67
1074		Tenofovir Disoproxil Dimer		Impurity	AQ-TR-C-048	tetraisopropyl ((((((((methylenebis(azanediyl))bis(9H-purine-6,9-diyl))bis(propane-1,2-diyl))bis(oxy))bis(methylene))bis(oxo-l5-phosphanetriyl))tetrakis(oxy))tetrakis(methylene)) tetracarbonate	1093279-76-5	NA	C39H60N10O20P2	1050.91
1075		Tri-POCTenofovir Dimer		Impurity	AQ-TR-C-049	(((((1-(6-((((9-(2-((bis(((isopropoxycarbonyl)oxy)methoxy)phosphoryl)methoxy)propyl)-9H-purin-6-yl)amino)methyl)amino)-9H-purin-9-yl)propan-2-yl)oxy)methyl)(hydroxy)phosphoryl)oxy) methyl isopropyl carbonate	1093279-77-6	NA	C34H52N10O17P2	934.79
1076		Tenofovir Disoproxil Impurity		Impurity	AQ-TR-C-050	isopropyl (9-(2-((bis(((isopropoxycarbonyl)oxy)methoxy)phosphoryl)methoxy)propyl)-9H-purin-6-yl)carbamate	1244022-54-5	NA	C23H36N5O12P	605.54
1077		Hydroxy Methyl Tenofovir Monoproxil		Impurity	AQ-TR-C-181	((hydroxy(((1-(6-((hydroxymethyl)amino)-9H-purin-9-yl)propan-2-yl)oxy)methyl)phosphoryl)oxy)methyl isopropyl carbonate	1244022-55-6	NA	C15H24N5O8P	433.36
1078		Hydroxy methyl Tenofovir Disoproxil		Impurity	AQ-TR-C-046	(((((1-(6-((hydroxymethyl)amino)-9H-purin-9-yl)propan-2-yl)oxy)methyl)phosphoryl)bis(oxy))bis(methylene) diisopropyl bis(carbonate)	1244022-53-4	NA	C20H32N5O11P	549.47
1079		Emtricitabine Tenofovir Disoproxil		Impurity	AQ-TR-C-364	(((((R)-1-(6-((((5-fluoro-1-((2R,5S)-2-(hydroxymethyl)-1,3-oxathiolan-5-yl)-2-oxo-1,2-dihydropyrimidin-4-yl)amino)methyl)amino)-9H-purin-9-yl)propan-2-yl)oxy)methyl)phosphoryl)bis(oxy))bis(methylene) diisopropyl bis(carbonate)	1962114-98-2	Emtricitabine Tenofovir Disoproxil Dimer	C28H40FN8O13PS	778.7
1080		TAF-SRS-Diasteroisomer		Impurity	AQ-TR-C-393	isopropyl ((R)-((((S)-1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)(phenoxy)phosphoryl)-L-alaninate	NA	NA	C21H29N6O5P	476.47
1081		TAF-RSR-Diastereo Isomer		Impurity	AQ-TR-C-394	isopropyl ((S)-((((R)-1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)(phenoxy)phosphoryl)-D-alaninate	NA	Tenofovir alafenamide RSR diastereomer	C21H29N6O5P	476.47
1082		TAF-RRR-Diastero Isomer		Impurity	AQ-TR-C-395	isopropyl ((R)-((((R)-1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)(phenoxy)phosphoryl)-D-alaninate	NA	Tenofovir Alafenamide RRR Diastereomer	C21H29N6O5P	476.47

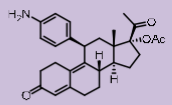
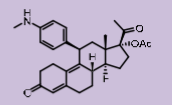
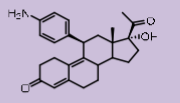
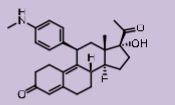
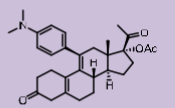
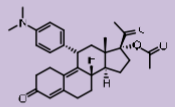
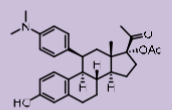
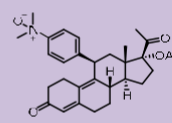
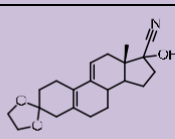
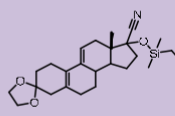
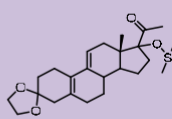
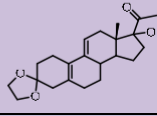
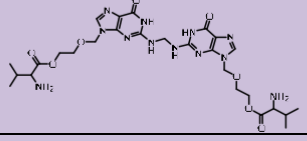
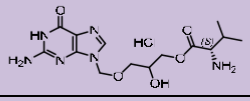
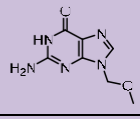
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
1083		TAF-RRS-Diastereo Isomer		Impurity	AQ-TR-C-396	isopropyl ((R)-(((R)-1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)(phenoxy)phosphoryl)-L-alaninate	NA	Tenofovir Alafenamide RRS Diastereomer	C21H29N6O5P	476.47
1084		Phenyl hydrogen ((((R)-1-(6-amino-9H-purin-9-yl)-propan-2-yl)oxy)methyl) phosphonate		Impurity	AQ-TR-C-397	phenyl hydrogen ((((R)-1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)phosphonate	379270-35-6	NA	C15H18N5O4P	363.31
1085		Tenofovir Impurity 4		Impurity	AQ-TR-C-398	P-((((R)-1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)-N-((S)-1-isopropoxy-1-oxopropan-2-yl)phosphonamidic acid	851456-00-3	Desphenyl Tenofovir Alafenamide	C15H25N6O5P	400.38
1086		TAF-Impurity K		Impurity	AQ-TR-C-[illegible]	(Z)-9-(prop-1-en-1-yl)-9H-purin-6-amine 1464851-21-9		Tenofovir Impurity K; Tenofovir 9-Propenyl Impurity; 9-Propenyladenine	C8H9N5	175.2
1087		Tenofovir Methyl Ester		Impurity	AQ-TR-C-400	methyl ((S)-(((R)-1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)(phenoxy)phosphoryl)-L-alaninate	390409-27-5	Tenofovir Alafenamide Methyl Ester Impurity	C19H25N6O5P	448.42
1088		TAF-SSS-Diasteroisomer		Impurity	AQ-TR-C-401	isopropyl ((S)-(((S)-1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)(phenoxy)phosphoryl)-L-alaninate	NA		C21H29N6O5P	476.47
1089		Tenofovir Methyl ester (RRS Isomer)		Impurity	AQ-TR-C-402	methyl ((R)-(((R)-1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)(phenoxy)phosphoryl)-L-alaninate	NA		C19H25N6O5P	448.42
1090		Tenofovir 9-Allyl impurity		Impurity	AQ-TR-C-[illegible]	9-allyl-9H-purin-6-amine 4121-39-5		9-Allyl adenine; Tenofovir Impurity U; NSC 77154	C8H9N5	175.2
1091		2-(6-amino-9H-purin-9-yl)propan-1-ol		Impurity	AQ-TR-C-[illegible]	2-(6-amino-9H-purin-9-yl)propan-1-ol 20776-34-5	NA	C8H11N5O	193.21	
1092		((2-(6-amino-9H-purin-9-yl)propoxy)methyl)phosphonic acid		Impurity	AQ-TR-C-440	((2-(6-amino-9H-purin-9-yl)propoxy)methyl)phosphonic acid	107021-20-5	NA	C9H14N5O4P	287.22
1093		TAF Regio Isomer		Impurity	AQ-TR-C-473	Isopropyl (((2-(6-amino-9H-purin-9-yl)propoxy)methyl)(phenoxy)phosphoryl)-D-alaninate (mix of Diastereomers)	NA	NA	C21H29N6O5P	476.47
1094		Ten Phenol Regio Isomer		Impurity	AQ-TR-C-474	phenyl hydrogen ((2-(6-amino-9H-purin-9- yl)propoxy)methyl)phosphonate	NA	NA	C15H18N5O4P	363.31
1095		TAF-PMPA-Isopropyl alaninate / Tenofovir Impurity		Impurity	AQ-TR-C-504	P-((((R)-1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)-N-((S)-1-isopropoxy-1-oxopropan-2-yl)phosphonamidic acid	851456-00-3	Tenofovir Impurity-4	C15H25N6O5P	400.38
1096	Tenofovir	Tenofovir Dimer Ammonium salt		Impurity	AQ-TR-C-505	bis((((R)-1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)diphosphonic acid. Ammonium salt	1607007-18-0	NA	C18H32N12O7P2 (HCl Salt) C18H26N10O7P2 (free base)	590.48 (HCl Salt) 556.42 (free base)

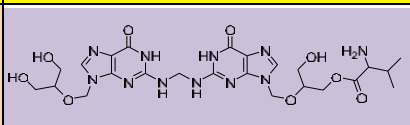
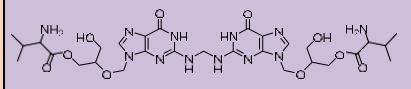
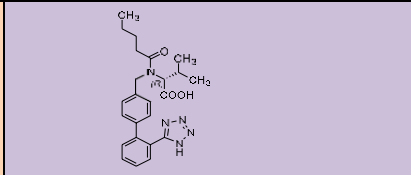
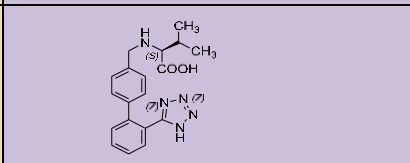
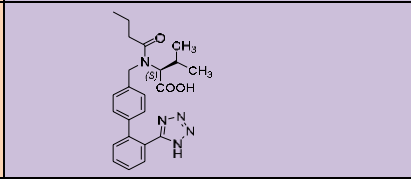
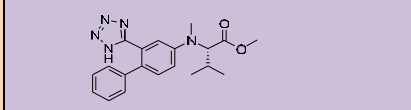
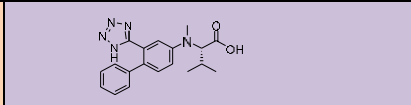
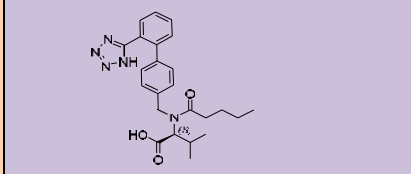
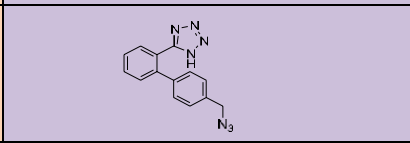
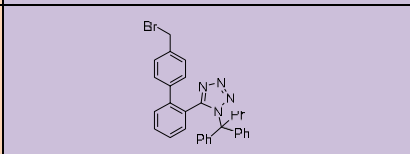
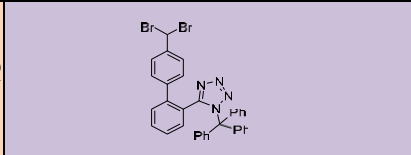
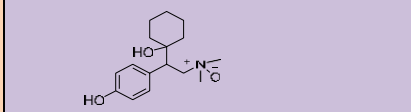
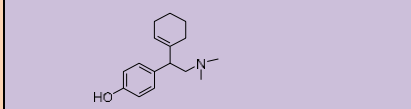
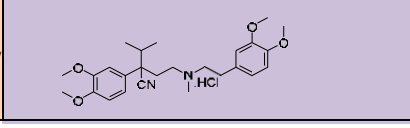
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
1097		Diphenyl(R)-(((1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl) phosphonate		Impurity	AQ-TR-C-552	diphenyl (R)-(((1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)phosphonate	342631-41-8	Tenofovir related Compound-1; Tenofovir Alfenamide Imp 3; Tenofovir Imp 12	C21H22N5O4P	439.41
1098		(S)-Tenofovir Mono Hydrate		Impurity	AQ-TR-C-753	(S)-(((1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)phosphonic acid hydrate	NA	NA	C9H16N5O5P (Mono Hydrate) C9H14N5O4P (Free Base)	305.23 (Mono Hydrate) 287.22 (Free Base)
1099		Tenofovir alafenamide propyl ester		Impurity	AQ-TR-C-830	propyl ((S)-(((R)-1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)(phenoxy)phosphoryl)-L-alaninate	NA	Tenofovir alafenamide propyl ester RSS- isomer	C21H29N6O5P	476.47
1100		Tenofovir alafenamide propyl ester-RRS-Isomer		Impurity	AQ-TR-C-831	propyl ((R)-(((R)-1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)(phenoxy)phosphoryl)-L-alaninate	NA	NA	C21H29N6O5P	476.47
1101		Tenofovir Disoproxil Carbamate (Related Compound H)		Impurity	AQ-TR-C-832	isopropyl (R)-(9-(2-((bis(((isopropoxycarbonyl)oxy)methoxy) phosphoryl)methoxy)propyl)-9H-purin-6-yl)carbamate	1244022-54-5	Tenofovir Disoproxil Isopropoxy carbonyl	C23H36N5O12P	605.54
1102		Tenofovir Impurity A		Impurity	AQ-TR-C-833	((((((R)-1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)(hydroxy)phosphoryl)oxy) methyl isopropyl carbonate	NA	Tenofovir Isoproxil Monoester; Tenofovir Mono Isoproxil	C14H22N5O7P (Free Base) C14H25N6O7P (Ammonium Salt)	403.33 (Free Base) 420.36 (Ammonium Salt)
1103		PMPA Mono Ester Impurity		Impurity	AQ-TR-C-834	ethyl hydrogen ((((R)-1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)phosphonate ammonium salt	NA	Ethyl Tenofovir Impurity	C11H18N5O4P (Free Base) C11H21N6O4P (Ammonium Salt)	315.27 (Free Base) 332.30 (Ammonium Salt)
1104		Isopropyl Tenofovir		Impurity	AQ-TR-C-835	isopropyl hydrogen ((((R)-1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)phosphonate ammonium salt	NA	NA	C12H20N5O4P (Free Base) C12H23N6O4P (Ammonium Salt)	329.30 (Free Base) 346.33 (Ammonium Salt)
1105		Tenofovir Imp B		Impurity	AQ-TR-C-836	((((((R)-1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)(isopropoxy)phosphoryl)oxy)methyl isopropyl carbonate	1246812-40-7	NA	C17H28N5O7P	445.41
1106		Tenofovir Alafenamide impurity-2		Impurity	AQ-TR-C-909	diisopropyl 2,2'-((((((R)-1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)phosphoryl)bis(azanediyl)) (2S,2'S)-dipropionate	NA	NA	C21H36N7O6P	513.54
1107		Tenofovir alafenamide Racemic D isomer		Impurity	AQ-TR-C-910	isopropyl (((((R)-1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)(phenoxy)phosphoryl)-D-alaninate	NA	NA	C21H29N6O5P	476.47
1108		Diethyl-p-toluene sulfonyloxymethyl phosphonate		Impurity	AQ-TR-C-911	(diethoxyphosphoryl)methyl 4-methylbenzenesulfonate	31618-90-3	NA	C12H19O6PS	322.31
1109		Tenofovir emtricitabine FT1		Impurity	AQ-TR-C-912	((2R,5S)-5-(4-amino-5-fluoro-2-oxopyrimidin-1(2H)-yl)-1,3-oxathiolan-2-yl)methyl hydrogen ((((R)-1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)phosphonate, ammonia salt	NA	NA	C17H22FN8O6PS (Free base) C17H25FN9O6PS (Ammonia salt)	516.45 (Free base) 533.48 (Ammonia Salt)

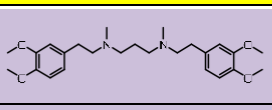
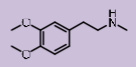
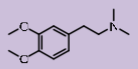
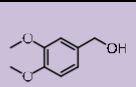
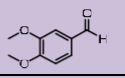
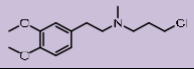
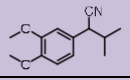
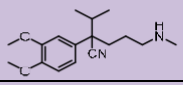
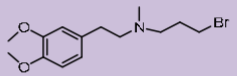
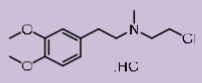
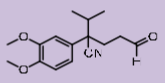
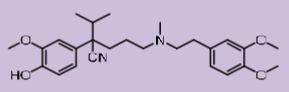
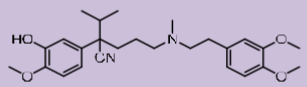
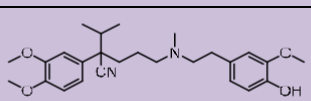
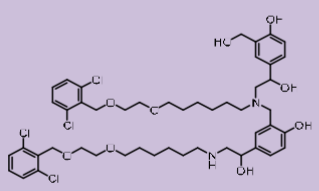
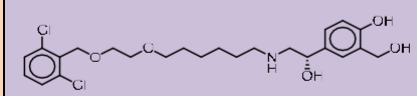
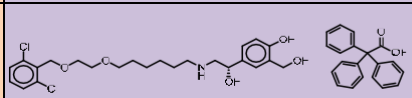
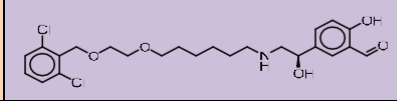
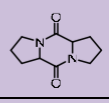
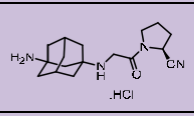
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
1110		Tenofovir emtricitabine FTS		Impurity	AQ-TR-C-913	((((((R)-1-(6-((((5-fluoro-1-((2R,5S)-2-(hydroxymethyl)-1,3-oxathiolan-5-yl)-2-oxo-1,2-dihydropyrimidin-4-yl)amino)methyl)amino)-9H-purin-9-yl)propan-2-yl)oxy)methyl)(hydroxy)phosphoryl)oxy) methyl isopropyl carbonate, ammonia salt	NA	NA	C23H32FN8O10PS (Free base) C23H35FN9O10PS (Ammonia Salt)	662.59 (Free base) 679.62 (Ammonia salt)
1111		Diethylaminocarboxy methyl POC tenofovir		Impurity	AQ-TR-C-914	((((((R)-1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)(((isopropoxycarbonyl)oxy) methoxy)phosphoryl)oxy)methyl diethylcarbamate	NA	NA	C20H33N6O9P	532.49
1112		Tenofovir Alafenamide Impurity-E		Impurity	AQ-TR-C-915	isopropyl phenyl ((((R)-1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)phosphonate	NA	NA	C18H24N5O4P	405.39
1113		TAF-SRR-Diastereo Isomer		Impurity	AQ-TR-C-916	isopropyl ((R)-(((S)-1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)(phenoxy)phosphoryl)-D-alaninate	NA	Tenofovir Alafenamide SRR Diastereomer	C21H29N6O5P	476.47
1114		TAF-SSR-Diastereo Isomer		Impurity	AQ-TR-C-917	isopropyl ((S)-(((S)-1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)(phenoxy)phosphoryl)-D-alaninate	NA	Tenofovir Alafenamide SRR Diastereomer	C21H29N6O5P	476.47
1115		Tenofovir Disoproxil Propyl Impurity		impurity	AQ-TR-C-963	((((((R)-1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)(propoxy)phosphoryl)oxy) methyl isopropyl carbonate	NA	NA	C17H28N5O7P	445.41
1116		PMPA Propyl Ester Impurity		impurity	AQ-TR-C-964	propylhydrogen((((R)-1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)phosphonate, ammonia salt	NA	NA	C12H20N5O4P (Free Base) C12H23N6O4P (Ammonium Salt)	329.30 (Free Base) 346.33 (Ammonium Salt)
1117		Isopropyl impurity of Tenofovir Di ethyl amine salt		impurity	AQ-TR-C-1069	((isopropoxycarbonyl)oxy)methyl (((1-(6-((isopropoxycarbonyl)amino)-9H-purin-9-yl)propan-2-yl)oxy)methyl)phosphonate. Diethylamine	NA	((hydroxy(((isopropoxycarbonyl)oxy)methoxy)phosphoryl)methoxy)propyl)-9H-purin-6-yl)carbamate	C18H28N5O9P (Free Base) C22H39N6O9P (Diethyl amine Salt)	489.14 (Free Base) 562.25 (Diethyl amine Salt)
1118		Tenofovir Impurity-M		impurity	AQ-TR-C-1070	((((1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)(((ethoxycarbonyl)oxy)methoxy)phosphoryl)oxy)methylisopropyl carbonate	2251049-49-5	Tenofovir Monoproxil ethyl ester	C18H28N5O10P	505.42
1119		Tenofovir Dimer Triethylamine alt / Tenofovir AF TAFRC-2 / Tenofovir Disoproxil T3 Impurity		impurity	AQ-TR-C-1081	Triethylaminehemi(bis((((R)-1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy) methyl)diphosphonate)	NA	NA	C18H26N10O7P2 (Free base) C30H56N12O7P2 (TEA Salt)	556.42 (Free base) 758.50 (TEA Salt)
1120		Tenofovir Isomer 6&1		impurity	AQ-TR-C-1082	isopropyl ((S)-(((S)-1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)(phenoxy)phosphoryl)-D-alaninate & isopropyl ((R)-(((R)-1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)(phenoxy)phosphoryl)-L-alaninate	8[illegible]	Tenofoir alafenamide Isomers; Tenofoir alafenamide Diasteroisomer Isomers 6&1	C21H29N6O5P	476.47
1121		Tenofovir alafenamide Impurity-I		impurity	AQ-TR-C-1083	((((R)-1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)(hydroxy)phosphoryl)-L-alanine, Ammonium salt	NA	TAF-IMP-I	C12H22N7O5P (Ammonium salt) C12H19N6O5P (Free base)	375.33 (Ammonium salt) 358.29 (Free base)
1122		Tenofovir alafenamide Impurity-G		impurity	AQ-TR-C-1084	diisopropyl (R)-(((1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy)methyl)phosphonate	8[illegible]	Diisopropyl Tenofovir	C15H26N5O4P	371.38
1123		Tenofovir Disoproxil T5 Impurity Diethyl amine salt		impurity	AQ-TR-C-1190	diethylamine hemi((((R)-1-(6-((((9-((R)-2-(phosphonomethoxy)propyl)-9H-purin-6-yl)amino)methyl)amino)-9H-purin-9-yl)propan-2-yl)oxy)methyl)phosphonic acid	1962114-89-1(base free)	NA	C27H50N12O8P2 (Diethyl amine salt) C19H28N10O8P2 (Free base)	732.72 (Diethyl amine salt) 586.44 (Free base)

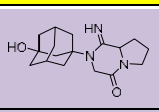
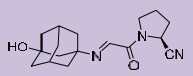
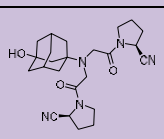
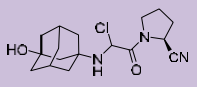
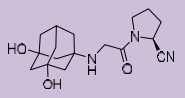
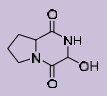
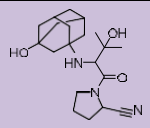
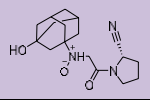
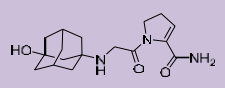
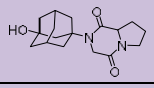
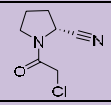
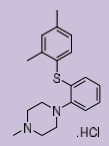
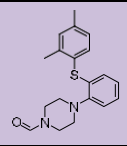
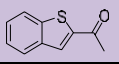
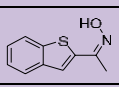
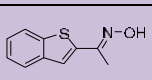
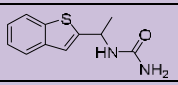
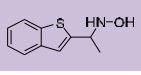
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
1124	Teriflunomide	Teriflunomide imp-B		Impurity	AQ-TR-C-007	(Z)-2-cyano-3-hydroxy-N-(4-(hydroxymethyl)phenyl)but-2-enamide	NA	NA	C12H12N2O3	232.24
1125		Teriflunomide Impurity		Impurity	AQ-TR-C-132	2-cyano-2-hydroxy-N-(4-(trifluoromethyl)phenyl)acetamide	NA	NA	C10H7F3N2O2	244.17
1126	Testosterone	Testosterone Realted Impurity		Impurity	AQ-TR-C-019	(10S,13S,17S)-17-hydroxy-10,13-dimethyl 1,2,6,7,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthren-3-one	NA	NA	C19H26O2	286.42
1127		Testosterone Realted Impurity		Impurity	AQ-TR-C-020	(8S,10S,13S,14S,17S)-17-hydroxy-10,13-dimethyl-1,2,6,7,8,10,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthren-3-one	2398-99-4	NSC 30932; U 3435	C19H26O2	286.42
1128	Tetrabenazine	9-desmethyl α-dihydro tetrabenazine		impurity	AQ-TR-C-1113	(2R,3R,11bR)-3-isobutyl-10-methoxy-1,3,4,6,7,11b-hexahydro-2H-pyrido[2,1-a]isoquinoline-2,9-diol-rel	1065193-59-0	(±)-9-deme-dtbz; (2R,3R,11bR)-rel-9-deMe-DTBZ	C18H27NO3	305.41
1129		α-Dihydro tetrabenazine		impurity	AQ-TR-C-1114	(2R,3R,11bR)-3-isobutyl-9,10-dimethoxy-1,3,4,6,7,11b-hexahydro-2H-pyrido[2,1-a]isoquinolin-2-ol rel	85081-18-1	NA	C19H29NO3	319.45
1130		(+) β -Dihydro tetrabenazine		impurity	AQ-TR-C-1309	(2S,3R,11bR)-3-isobutyl-9,10-dimethoxy-1,3,4,6,7,11b-hexahydro-2H-pyrido[2,1-a]isoquinolin-2-ol	924854-60-4	Beta-Dihydrotetrabenazine; (2S,3R,11bR)-Dihydrotetrabenazine	C19H29NO3	319.45
1131	Theophylline	3-Methyl Xanthine		Impurity	AQ-TR-C-031	3-methyl-3,7-dihydro-1H-purine-2,6-dione	1076-22-8	NSC 515466; Pentoxifylline EP Impurity B	C6H6N4O2	166.14
1132		1,3-dimethyl uric acid		Impurity	AQ-TR-C-032	1,3-dimethyl-7,9-dihydro-1H-purine-2,6,8(3H)-trione	944-73-0	Ba2751; NSC 95854; Oxytheophylline	C7H8N4O3	196.17
1133	Thiothixene	Thiothixene impurity (DHTS impurity)		Impurity	AQ-TR-C-187	(Z)-9-(2-hydroxy-3-(4-methylpiperazin-1-yl)propylidene)-N,N-dimethyl-9H-thioxanthene-2-sulfonamide	NA	NA	C23H29N3O3S2	459.62
1134		N-desmethyl thiothixene (Mixture of E/Z isomers)		Impurity	AQ-TR-C-365	(Z)-N-methyl-9-(3-(4-methylpiperazin-1-yl)propylidene)-9H-thioxanthene-2-sulfonamide	84294-04-2	NA	C22H27N3O2S2	429.6
1135	Thioxanthene	Thioxanthene Impurity		Impurity	AQ-TR-C-146	N,N-dimethyl-9-oxo-9H-thioxanthene-3-sulfonamide	NA	NA	C15H13NO3S2	319.39
1136	Tiagabine	Tiagabine diol analog		impurity	AQ-TR-C-1246	(3R)-1-(3,4-dihydroxy-4,4-bis(3-methylthiophen-2-yl)butyl)piperidine-3-carboxylic acid	2125725-84-8	NA	C20H27NO4S2	409.56
1137		Tiagabine keto analog		impurity	AQ-TR-C-1247	(R)-1-(4,4-bis(3-methylthiophen-2-yl)-3-oxobutyl)piperidine-3-carboxylic acid	161014-55-7(free acid)	NA	C20H25NO3S2	391.54
1138	Ticagrelor	Ticagrelor Sulfone		impurity	AQ-TR-C-955	(1S,2S,3R,5S)-3-(7-(((1R,2S)-2-(3,4-difluorophenyl)cyclopropyl)amino)-5-(propylsulfonyl)-3H-[1,2,3]triazolo[4,5-d]pyrimidin-3-yl)-5-(2-hydroxyethoxy)cyclopentane-1,2-diol	274693-39-9	Ticagrelor impurity M	C23H28F2N6O6S	554.57
1139		Ticagrelor Sulfoxide		impurity	AQ-TR-C-956	(1S,2S,3R,5S)-3-(7-(((1R,2S)-2-(3,4-difluorophenyl)cyclopropyl)amino)-5-(propylsulfinyl)-3H-[1,2,3]triazolo[4,5-d]pyrimidin-3-yl)-5-(2-hydroxyethoxy)cyclopentane-1,2-diol	1644461-85-7	Ticagrelor impurity L	C23H28F2N6O5S	538.57
1140		Ticagrelor acetonide		impurity	AQ-TR-C-957	2-(((3aR,4S,6R,6aS)-6-(7-(((1R,2S)-2-(3,4-difluorophenyl)cyclopropyl)amino)-5-(propylthio)-3H-[1,2,3]triazolo[4,5-d]pyrimidin-3-yl)-2,2-dimethyltetrahydro-4H-cyclopenta[d][1,3]dioxol-4-yl)oxy)ethan-1-ol		NA	C26H32F2N6O4S	562.63

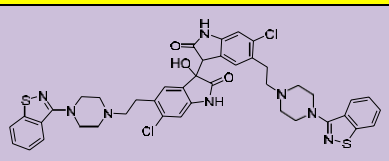
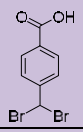
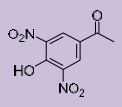
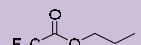
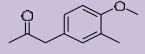
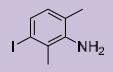
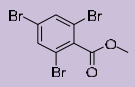
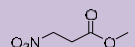
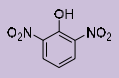
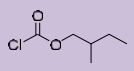
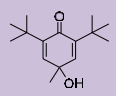
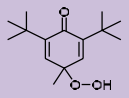
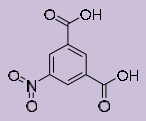
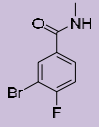
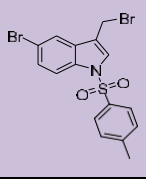
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
1141		Ticagrelor Related Compound 91		impurity	AQ-TR-C-1204	2-(((3aR,4R,6R,6aS)-6-amino-2,2-dimethyltetrahydro-4H-cyclopenta[d][1,3]dioxol-4-yl)oxy)ethan-1-ol (2R,3R)-2,3-dihydroxysuccinate	2376278-67-8 (acid free)	NA	C14H25NO10	367.35
1142	Tigecycline	4-Epimer of Tigecycline Hydrochloride		Impurity	AQ-TR-C-435	(4R,4aS,5aR,12aS)-9-(2-(tert-butylamino)acetamido)-4,7-bis(dimethylamino)-3,10,12,12a-tetrahydroxy-1,11-dioxo-1,4,4a,5,5a,6,11,12a-octahydrotetracene-2-carboxamide hydrochloride	1422262-97-2	4-Epi Tigecycline hydrochloride	C29H40ClN5O8 (HCl Salt) C29H39N5O8 (Free Base)	622.12 (HCl Salt) 585.66 (Free Base)
1143		Tigecycline quinone Analog		Impurity	AQ-TR-C-436	(S)-4-((6-(2-(tert-butylamino)acetamido)-8-(dimethylamino)-5-hydroxy-4-oxo-1,2,3,4-tetrahydronaphthalen-2-yl)methyl)-2,5-dihydroxy-3,6-dioxocyclohexa-1,4-diene-1-carboxamide	1268494-46-7	Tigecycline Impurity 9	C26H32N4O8	528.56
1144		12-oxo-11 hydroxy Tigecycline		Impurity	AQ-TR-C-467	(4S,4aS,12aS)-9-(2-(tert-butylamino)acetamido)-4,7-bis(dimethylamino)-3,10,11,12a-tetrahydroxy-1,12-dioxo-1,4,4a,5,12,12a-hexahydrotetracene-2-carboxamide	NA	Tigecycline Impurity 8	C29H37N5O8	583.64
1145		Tigecycline Tricyclic Analog		Impurity	AQ-TR-C-514	(1S,4aR,10aR)-7-(2-(tert-butylamino)acetamido)-9-(dimethylamino)-1,4,4a,6-tetrahydroxy-2,5,12-trioxo-1,2,4a,5,10,10a,11,11a-octahydro-1,4b-methanobenzo[b]fluorene-3-carboxamide	1268494-40-1	Tigecycline pentacyclic Analog	C27H32N4O9	556.57
1146		Timolol Impurity-D		impurity	AQ-TR-C-1256	4-morpholino-1,2,5-thiadiazol-3-ol	NA	NA	C6H9N3O2S	187.22
1147	Timolol	Timolol Impurity-F		impurity	AQ-TR-C-1257	4-(4-chloro-1,2,5-thiadiazol-3-yl)morpholine	30165-96-9	NA	C6H8ClN3OS	205.66
1148		R-Timolol		impurity	AQ-TR-C-1258	(R)-1-(tert-butylamino)-3-((4-morpholino-1,2,5-thiadiazol-3-yl)oxy)propan-2-ol maleate	26839-77-0	NA	C17H28N4O7S (Maleate Salt) C13H24N4O3S (Free Base)	432.49 (Maleate Salt) 316.42 (Free Base)
1149	Topiramate	Topiramate EP Impurity D		Impurity	AQ-TR-C-768	((3aS,5aR,8aR,8bS)-2,2,7,7-tetramethyltetrahydro-3aH-bis([1,3]dioxolo)[4,5-b:4',5'-d]pyran-3a-yl)methyl ((((3aS,5aR,8aR,8bS)-2,2,7,7-tetramethyltetrahydro-3aH-bis([1,3]dioxolo)[4,5-b:4',5'-d]pyran-3a-yl)methoxy)carbonyl)sulfamate	950603-46-0	Topiramate Impurity D	C25H39NO15S	625.64
1150	Trehalose	6,6'-Dibehenate Trehalose		impurity	AQ-TR-C-1178	((2S,2'S,3R,3'R,4R,4'R,5S,5'S,6S,6'S)-oxybis(3,4,5-trihydroxytetrahydro-2H-pyran-6,2-diyl))bis(methylene) didocosanoate	NA	NA	C56H106O13	987.45
1151	Trihexyphenidyl	(S)-Trihexyphenidyl		Impurity	AQ-TR-C-717	(S)-1-cyclohexyl-1-phenyl-3-(piperidin-1-yl)propan-1-ol	40520-24-9	(+)-Benzhexol; (+)-Trihexyphenidyl; (S)-Trihexyphenidyl	C20H31NO	301.47
1152		(R)-Trihexyphenidyl		Impurity	AQ-TR-C-718	(R)-1-cyclohexyl-1-phenyl-3-(piperidin-1-yl)propan-1-ol	40520-25-0	(-)-Benzhexol; (-)-Trihexyphenidyl; (R)-Trihexyphenidyl	C20H31NO	301.47
1153		KSHN00402RI		Impurity	AQ-TR-C-750	(R)-1-(3-cyclohexyl-3-hydroxy-3-phenylpropyl)-1-methylpiperidin-1-ium	30953-87-8	(-)-Benzhexol methiodide; (R)-N-Methyltrihexyphenidyl iodide; (R)-Trihexyphenidyl methiodide	C21H34INO (Iodine Salt) C21H34NO+ (Free base)	443.41 (Iodine Salt) 316.51 (Free base)
1154		KSHN00402SI		Impurity	AQ-TR-C-751	(S)-1-(3-cyclohexyl-3-hydroxy-3-phenylpropyl)-1-methylpiperidin-1-ium iodide	30953-88-9	(+)-Benzhexol methiodide; (S)-N-Methyltrihexyphenidyl iodide; (S)-Trihexyphenidyl methiodide	C21H34INO (Iodine Salt) C21H34NO (Free base)	443.41 (Iodine Salt) 316.51 (Free base)
1155		KSHN00402-Rac		Impurity	AQ-TR-C-752	1-(3-cyclohexyl-3-hydroxy-3-phenylpropyl)-1-methylpiperidin-1-ium iodide	6856-43-5	NA	C21H34INO (Iodine Salt) C21H34NO (Free base)	443.41 (Iodine Salt) 316.51 (Free base)
1156		2-(N-methylamino)-1,3-propanediol (MMAPD) Hydrochloride		impurity	AQ-TR-C-1310	2-(methylamino)propane-1,3-diol hydrochloride	785816-82-2	NA	C4H12ClNO2 (salt) C4H11NO2 (Free Base)	141.59 (salt) 105.13 (Free Base)

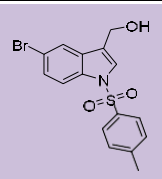
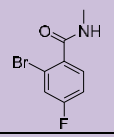
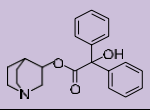
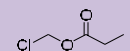
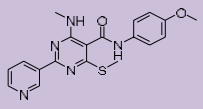
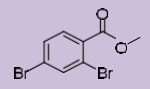
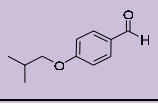
S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
1157	Tromethamine	2-(N-methylamino) -2-Hydroxymethyl-1,3-propanediol (MMTA) Hydrochloride		impurity	AQ-TR-C-1311	2-(hydroxymethyl)-2-(methylamino)propane-1,3-diol hydrochloride	74178-02-2 (Free base)	NA	C5H14ClNO3 (salt) C5H13NO3 (Free Base)	171.62 (salt) 135.16 (Free Base)
1158		2-(N,N-dimethylamino)-2-Hydroxymethyl-1,3-propanediol (DMTA) Hydrochloride		impurity	AQ-TR-C-1312	2-(dimethylamino)-2-(hydroxymethyl)propane-1,3-diol hydrochloride	22578-93-4	NA	C6H16ClNO3 (salt) C6H15NO3 (Free Base)	185.65 (salt) 149.19 (Free Base)
1159	Ulipristal	N,N-Didesmethyl Ulipristal Acetate		Impurity	AQ-TR-C-083	(8S,11R,13S,14S,17R)-17-acetyl-11-(4-aminophenyl)-13-methyl-3-oxo-2,3,6,7,8,11,12,13,14,15,16,17-dodecahydro-1H-cyclopenta[a]phenanthren-17-yl acetate	244206-49-3	CDB 2914; EllaOne; HRP 2000; RTI 3021-012; RU 44675; VA 2914	C28H33NO4	447.58
1160		N-desmethyl Ulipristal Acetate		Impurity	AQ-TR-C-093	(8S,11R,13S,14S,17R)-17-acetyl-13-methyl-11-(4-(methylamino)phenyl)-3-oxo-2,3,6,7,8,11,12,13,14,15,16,17-dodecahydro-1H-cyclopenta[a]phenanthren-17-yl acetate	159681-66-0	CDB 3877; N-Monodemethyl CDB 2914	C29H35NO4	461.6
1161		N,N-Di desmethyl Ulipristal		Impurity	AQ-TR-C-159	11β-(4-aminophenyl)-17α-hydroxy-19-norpregna-4,9-diene-3,20-dione	244206-52-8	NA	C26H31NO3	405.54
1162		N-desmethyl Ulipristal		Impurity	AQ-TR-C-222	(8S,11R,13S,14S,17R)-17-acetyl-17-hydroxy-13-methyl-11-(4-(methylamino)phenyl)-1,2,6,7,8,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthren-3-one	159681-67-1	NA	C27H33NO3	419.57
1163		Ulipristal Impurity-1		Impurity	AQ-TR-C-199	(8S,13S,14S,17R)-17-acetyl-11-(4-(dimethylamino)phenyl)-13-methyl-3-oxo-2,3,4,6,7,8,12,13,14,15,16,17-dodecahydro-1H-cyclopenta[a]phenanthren-17-yl acetate	NA	NA	C30H37NO4	475.63
1164		Ulipristal Impurity-2		Impurity	AQ-TR-C-252	(8S,11S,13S,14S,17R)-17-acetyl-11-(4-(dimethylamino)phenyl)-13-methyl-3-oxo-2,3,6,7,8,11,12,13,14,15,16,17-dodecahydro-1H-cyclopenta[a]phenanthren-17-yl acetate	1655514-74-1	NA	C30H37NO4	475.63
1165		Ulipristal Impurity-3		Impurity	AQ-TR-C-200	(8S,9R,11S,13S,14S,17R)-17-acetyl-11-(4-(dimethylamino)phenyl)-3-hydroxy-13-methyl-7,8,9,11,12,13,14,15,16,17-decahydro-6H-cyclopenta[a]phenanthren-17-yl acetate	NA	NA	C30H37NO4	475.63
1166		Ulipristal acetate N-Oxide		Impurity	AQ-TR-C-269	4-((8S,11R,13S,14S,17R)-17-acetoxy-17-acetyl-13-methyl-3-oxo-2,3,6,7,8,11,12,13,14,15,16,17-dodecahydro-1H-cyclopenta[a]phenanthren-11-yl)-N,N-dimethylaniline oxide	1927850-00-7	NA	C30H37NO5	491.63
1167		Diketal intermediate-1		Impurity	AQ-TR-C-671	(13S)-17-hydroxy-13-methyl-1,2,4,6,7,8,12,13,14,15,16,17-dodecahydrospiro[cyclopenta[a]phenanthrene-3,2'-[1,3]dioxolane]-17-carbonitrile	NA	NA	C21H27NO3	341.45
1168		Diketal intermediate-2		Impurity	AQ-TR-C-672	(13S)-17-(((chloromethyl)dimethylsilyl)oxy)-13-methyl-1,2,4,6,7,8,12,13,14,15,16,17-dodecahydrospiro[cyclopenta[a]phenanthrene-3,2'-[1,3]dioxolane]-17-carbonitrile	NA	NA	C24H34ClNO3Si	448.08
1169		Diketal intermediate-3		Impurity	AQ-TR-C-673	1-((13S)-17-(((chloromethyl)dimethylsilyl)oxy)-13-methyl-1,2,4,6,7,8,12,13,14,15,16,17-dodecahydrospiro[cyclopenta[a]phenanthrene-3,2'-[1,3]dioxolan]-17-yl)ethan-1-one	NA	NA	C25H37ClO4Si	465.1
1170		Diketal intermediate-4		Impurity	AQ-TR-C-674	1-((13S)-17-hydroxy-13-methyl-1,2,4,6,7,8,12,13,14,15,16,17-dodecahydrospiro[cyclopenta[a]phenanthrene-3,2'-[1,3]dioxolan]-17-yl)ethan-1-one	NA	NA	C22H30O4	358.48
1171	Valacyclovir	Bis Valacyclovir		impurity	AQ-TR-C-1115	((((methylenebis(azanediyl))bis(6-oxo-1,6-dihydro-9H-purine-2,9-diyl))bis(methylene))bis(oxy))bis(ethane-2,1-diyl) bis(2-amino-3-methylbutanoate)	NA	Valacyclovir Impurity P (EP), Valaciclovir EP Impurity P, Valaciclovir Dimer	C27H40N12O8	660.69
1172		Isovalganciclovir		impurity	AQ-TR-C-1071	3-((2-amino-6-oxo-1,6-dihydro-9H-purin-9-yl)methoxy)-2-hydroxypropyl L-valinate hydrochloride	NA	NA	C14H22N6O5 (Free Base) C14H23ClN6O5 (HCl Salt)	354.37 (Free Base) 390.82 (HCl Salt)
1173		2-amino-9-(methoxymethyl)-1,9-dihydro-6H-purin-6-one		impurity	AQ-TR-C-1099	2-amino-9-(methoxymethyl)-1,9-dihydro-6H-purin-6-one	1202645-50-8	2-Amino-1,9-dihydro-9-(methoxymethyl)-6H-purin-6-one 2-Amino-9-(methoxymethyl)-9H-purin-6-ol	C7H9N5O2	195.18

S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
1174	Valganciclovir	Mono des valine valganciclovir dimer		impurity	AQ-TR-C-1100	2-((2-((((9-(((1,3-dihydroxypropan-2-yl)oxy)methyl)-6-oxo-6,9-dihydro-1H-purin-2-yl)amino)methyl)amino)-6-oxo-1,6-dihydro-9H-purin-9-yl)methoxy)-3-hydroxypropyl valinate	Na	Mono des valine valganciclovir dimer	C24H35N11O9	621.61
1175		Valganciclovir Dimer Impurity (Mixture of stereoisomers A, B & C)		impurity	AQ-TR-C-1128	((((methylenebis(azanediyl))bis(6-oxo-1,6 dihydro-9H-purine-2,9-diyl))bis(methylene))bis(oxy))bis(3-hydroxypropane-2,1-diyl) bis(2-amino-3-methylbutanoate)	NA	NA	C29H44N12O10	720.75
1176	Valsartan	R-Valsartan		Impurity	AQ-TR-C-037	N-((2'-(1H-tetrazol-5-yl)-[1,1'-biphenyl]-4-yl)methyl)-N-pentanoyl-D-valine	137862-87-4	USP Valsartan Related Compound A; Valsartan USP Related Compound A; CGP 49309	C24H29N5O3	435.53
1177		Valsartan Related Compound-D		Impurity	AQ-TR-C-051	((2'-(1H-tetrazol-5-yl)-[1,1'-biphenyl]-4-yl)methyl)-L-valine	676129-92-3	NA	C19H21N5O2	351.41
1178		Valsartan Related compound B		Impurity	AQ-TR-C-250	N-((2'-(1H-tetrazol-5-yl)-[1,1'-biphenyl]-4-yl)methyl)-N-butyryl-L-valine	952652-79-8	Valsartan USP Related Compound B	C23H27N5O3	421.5
1179		Valsartan Impurity F Methyl ester		Impurity	AQ-TR-C-403	methyl N-(2-(1H-tetrazol-5-yl)-[1,1'-biphenyl]-4-yl)-N-methyl-L-valinate	NA	NA	C20H23N5O2	365.44
1180	Valsartan	Valsartan Impurity F		Impurity	AQ-TR-C-404	N-(2-(1H-tetrazol-5-yl)-[1,1'-biphenyl]-4-yl)-N-methyl-L-valine	NA	NA	C19H21N5O2	351.41
1181		S-Valsartan		Impurity	AQ-TR-C-637	N-((2'-(1H-tetrazol-5-yl)-[1,1'-biphenyl]-4-yl)methyl)-N-pentanoyl-L-valine	137862-53-4	CGP 48933; Cardopan; Diovan; Nisis; Tareg	C24H29N5O3	435.53
1182		5-(4'-(azidomethyl)-[1,1'-biphenyl]-2-yl)-1H-tetrazole		impurity	AQ-TR-C-1216	5-(4'-(azidomethyl)-[1,1'-biphenyl]-2-yl)-1H-tetrazole	152708-24-2	Valsartan Impurity 13; Irbesartan azido impurity	C14H11N7	277.29
1183		5-(4'-(bromomethyl)-[1,1'-biphenyl]-2-yl)-1-trityl-1H-tetrazole		impurity	AQ-TR-C-1302	5-(4'-(bromomethyl)-[1,1'-biphenyl]-2-yl)-1-trityl-1H-tetrazole	124750-51-2	Irbesartan Bromo Impurity; Losartan Bromo N1 Trityl Impurity ; Valsartan Bromo Impurity; TTBB	C33H25BrN4	557.50
1184		5-(4'-(dibromomethyl)[1,1'-biphenyl]-2-yl)-1-trityl-1H-tetrazole		impurity	AQ-TR-C-1304	5-(4'-(dibromomethyl)-[1,1'-biphenyl]-2-yl)-1-trityl-1H-tetrazole	358685-13-9	Candesartan Dibromo Impurity; Olmesertan Dibromo Derivative Impurity; Dibromo TTBB; Irbesartan Dibromo Impurity; Losartan Dibromo Impurity; Valsartan Dibromo Impurity	C33H24Br2N4	636.39
1185	Venlafaxine	O-Desmethyl venlafaxine N-Oxide		Impurity	AQ-TR-C-329	2-(1-hydroxycyclohexyl)-2-(4-hydroxyphenyl)-N,N-dimethylethan-1-amine oxide	1021933-95-8	NA	C16H25NO3	279.38
1186		Des Venlafaxine Impurity-II		Impurity	AQ-TR-C-330	4-(1-(cyclohex-1-en-1-yl)-2-(dimethylamino)ethyl)phenol	1346600-38-1	NA	C16H23NO	245.37
1187		Verapamil EP Impurity I		Impurity	AQ-TR-C-165	4-((3,4-dimethoxyphenethyl)(methyl)amino)-2-(3,4-dimethoxyphenyl)-2-isopropylbutanenitrile hydrochloride	1794-55-4	Verapamil EP Impurity I; Verapamil USP Related Compound B	C26H37ClN2O4 (HCl Salt) C26H36N2O4 (Free base)	477.04 (HCl Salt) 440.58 (Free base)

S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
1188	Verapamil	Verapamil EP Impurity A		Impurity	AQ-TR-C-166	N1,N3-bis(3,4-dimethoxyphenethyl)-N1,N3-dimethylpropane-1,3-diamine	141991-88-0	NA	C25H38N2O4	430.59
1189		Verapamil EP Impurity B		Impurity	AQ-TR-C-167	2-(3,4-dimethoxyphenyl)-N-methylethan-1-amine	3490-06-0	NSC 187772	C11H17NO2	195.26
1190		Verapamil EP Impurity C		Impurity	AQ-TR-C-168	2-(3,4-dimethoxyphenyl)-N,N-dimethylethan-1-amine	3490-05-9	NA	C12H19NO2	209.29
1191		Verapamil EP Impurity E		Impurity	AQ-TR-C-169	(3,4-dimethoxyphenyl)methanol	93-03-8	Veratralcohol; USP Verapamil Related Compound F; Verapamil EP Impurity E; Verapamil USP Related Compound F	C9H12O3	168.19
1192		Verapamil EP Impurity G		Impurity	AQ-TR-C-229	3,4-dimethoxybenzaldehyde	120-14-9	NSC 24521; NSC 8500; USP Verapamil Related Compound E	C9H10O3	166.18
1193		Verapamil EP Impurity D		Impurity	AQ-TR-C-169	3-chloro-N-(3,4-dimethoxyphenethyl)-N-methylpropan-1-amine	36770-74-8	SR 45813; Verapamil EP Impurity D	C14H22ClNO2	271.79
1194		Verapamil EP Impurity K		Impurity	AQ-TR-C-170	2-(3,4-dimethoxyphenyl)-3-methylbutanenitrile	20850-49-1	NA	C13H17NO2	219.28
1195		Verapamil Metabolite/ rac D 617		Impurity	AQ-TR-C-596	2-(3,4-dimethoxyphenyl)-2-isopropyl-5-(methylamino)pentanenitrile	34245-14-2	NA	C17H26N2O2	290.41
1196		3-bromo-N-(3,4-dimethoxyphenethyl)-N-methylpropan-1-amine		impurity	AQ-TR-C-1050	3-bromo-N-(3,4-dimethoxyphenethyl)-N-methylpropan-1-amine	66618-12-0	NA	C14H22BrNO2	316.24
1197		2-chloro-N-(3,4-dimethoxyphenethyl)-N-methylethan-1-amine		impurity	AQ-TR-C-1051	2-chloro-N-(3,4-dimethoxyphenethyl)-N-methylethan-1-amine.HCl	190850-48-7	NA	C13H21Cl2NO2 (HCl Salt) C13H20ClNO2 (Free base)	294.22 (HCl Salt) 257.76 (Free base)
1198		2-(3,4-dimethoxyphenyl)-2-isopropyl-5-oxopentanenitrile		impurity	AQ-TR-C-1090	2-(3,4-dimethoxyphenyl)-2-isopropyl-5-oxopentanenitrile	27339-25-9	NA	C16H21NO3	275.35
1199		5-((3,4-dimethoxyphenethyl)(methyl)amino)-2-(4-hydroxy-3-methoxyphenyl)-2-isopropylpentanenitrile		impurity	AQ-TR-C-1187	5-((3,4-dimethoxyphenethyl)(methyl)amino)-2-(4-hydroxy-3-methoxyphenyl)-2-isopropylpentanenitrile	67018-80-8	NA	C26H36N2O4	440.58
1200		5-((3,4-dimethoxyphenethyl)(methyl)amino)-2-(3-hydroxy-4-methoxyphenyl)-2-isopropylpentanenitrile		impurity	AQ-TR-C-1188	5-((3,4-dimethoxyphenethyl)(methyl)amino)-2-(3-hydroxy-4-methoxyphenyl)-2-isopropylpentanenitrile	NA	NA	C26H36N2O4	440.58
1201		2-(3,4-dimethoxyphenyl)-5-((4-hydroxy-3-methoxyphenethyl)(methyl)amino)-2-isopropylpentanenitrile		impurity	AQ-TR-C-1189	2-(3,4-dimethoxyphenyl)-5-((4-hydroxy-3-methoxyphenethyl)(methyl)amino)-2-isopropylpentanenitrile	77326-93-3	NA	C26H36N2O4	440.58
1202	Vilanterol	Vilanterol Dimer impurity		Impurity	AQ-TR-C-461	2-(((6-(2-((2,6-dichlorobenzyl)oxy)ethoxy)hexyl)(2-hydroxy-2-(4-hydroxy-3-(hydroxymethyl)phenyl)ethyl)amino)methyl)-4-(2-((6-(2-((2,6-dichlorobenzyl)oxy)ethoxy)hexyl)amino)-1-hydroxyethyl)phenol	2057437-62-2	Vilanterol impurity-11	C48H64Cl4N2O9	954.85
1203		S-Vilanterol		Impurity	AQ-TR-C-799	(S)-4-(2-((6-(2-((2,6-dichlorobenzyl)oxy)ethoxy)hexyl)amino)-1-hydroxyethyl)-2-(hydroxymethyl)phenol	NA	Vilanterol-S-Isomer	C24H33Cl2NO5	486.43
1204		S-Vilanterol trifenatate		Impurity	AQ-TR-C-800	(S)-4-(2-((6-(2-((2,6-dichlorobenzyl)oxy)ethoxy)hexyl)amino)-1-hydroxyethyl)-2-(hydroxymethyl)phenol 2,2,2-triphenylacetate	NA	NA	C44H49Cl2NO7 (Salt) C24H33Cl2NO5 (Free base)	774.78 (Salt) 486.43 (Free base)
1205		VLT Aldehyde Impurity		impurity	AQ-TR-C-1261	(R)-5-(2-((6-(2-((2,6-dichlorobenzyl)oxy)ethoxy)hexyl)amino)-1-hydroxyethyl)-2-hydroxybenzaldehyde	2514696-13-8	Vilanterol aldehyde impurity	C24H31Cl2NO5	484.41
1206		Octahydro-5H,10H-dipyrrolo[1,2-a:1',2'-d]pyrazine-5,10-dione (Vildagliptin Dipyrroloidine Impurity)		Impurity	AQ-TR-C-278	octahydro-5H,10H-dipyrrolo[1,2-a:1',2'-d]pyrazine-5,10-dione	1756239	L-Proline anhydride; Octahydropyrocoll; Proline; bimol. cyclic peptide	C10H14N2O2	194.23
1207		1-(((1R,3S,5S)-3-aminoadamantan-1-yl)glycyl) pyrrolidine-2 carbonitrile HCl / Vildagliptin Amino Adamantane Impurity		Impurity	AQ-TR-C-279	(2S)-1-(((1R,3S,5S)-3-aminoadamantan-1-yl)glycyl)pyrrolidine-2-carbonitrile hydrochloride	875311-29-8 (Free base)	Vildagliptin Amino Adamantane Impurity	C17H27ClN4O (HCl Salt) C17H26N4O (Free base)	338.88 (HCl Salt) 302.42 (Free base)

S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
1208	Vildagliptin	Vildagliptin Mono Keto Impurity		Impurity	AQ-TR-C-280	2-((1R,3S,5R)-3-hydroxyadamantan-1-yl)-1-iminohexahydropyrrolo[1,2-a]pyrazin-4(1H)-one	1789703-37-2	Vildagliptin Related Compound 2; Vildagliptin Cyclo Imidamide	C17H25N3O2	303.41
1209		Vildagliptin Imino Impurity		Impurity	AQ-TR-C-331	(2S)-1-((E)-2-(((1R,3S,5R)-3-hydroxyadamantan-1-yl)imino)acetyl)pyrrolidine-2-carbonitrile	NA	Vildagliptin Impurity-6; Vildagliptin Impurity-E	C17H23N3O2	301.39
1210		Vildagliptin Dimer Impurity		Impurity	AQ-TR-C-332	(2S,2'S)-1,1'-(2,2'-(((1R,3S,5R)-3-hydroxyadamantan-1-yl)azanediyl)bis(acetyl))bis(pyrrolidine-2-carbonitrile)	1036959-23-5	Vildagliptin Impurity B; Vildagliptin Impurity 2	C24H33N5O3	439.56
1211		1-(2-chloro-2-(((1R,3S,5R)-3-hydroxyadamantan-1-yl)amino)acetyl) pyrrolidine-2-carbonitrile		Impurity	AQ-TR-C-333	(2S)-1-(2-chloro-2-(((1R,3S,5R)-3-hydroxyadamantan-1-yl)amino)acetyl)pyrrolidine-2-carbonitrile	NA	Vildagliptin Chloro Impurity	C17H24ClN3O2	337.85
1212		VDN-Dihydroxy Impurity / 1-(((1r,3R,5S)-3,5-dihydroxyadamantan-1-yl)glycyl) pyrrolidine 2-carbonitrile		Impurity	AQ-TR-C-334	(2S)-1-(((1r,3R,5S)-3,5-dihydroxyadamantan-1-yl)glycyl)pyrrolidine-2-carbonitrile	NA	Hydroxy Vildagliptin; V-229	C17H25N3O3	319.41
1213		VDN-Pyrazine Impurity / 3-hydroxyhexahydropyrrolo[1,2-a]pyrazine-1,4-dione		Impurity	AQ-TR-C-335	3-hydroxyhexahydropyrrolo[1,2-a]pyrazine-1,4-dione	NA	Vildagliptin Impurity F	C7H10N2O3	170.17
1214		1-methylpyrrolidine-2-carbonitrile (Vildagliptin Carbonitrile Impurity)		Impurity	AQ-TR-C-336	1-methylpyrrolidine-2-carbonitrile	20297-37-4	NA	C6H10N2	110.16
1215		1-(3-hydroxy-2-((3-hydroxyadamantan-1-yl)amino)-3-methylbutanoyl)pyrrolidine-2-carbonitrile		Impurity	AQ-TR-C-366	1-(3-hydroxy-2-((3-hydroxyadamantan-1-yl)amino)-3-methylbutanoyl)pyrrolidine-2-carbonitrile	NA	Vildagliptin impurity-11	C20H31N3O3	361.49
1216		Vildagliptin N-Oxide		Impurity	AQ-TR-C-405	(2S)-1-(2-((3-hydroxyadamantan-1-yl)(l1-oxidanyl)-l4-azanyl)acetyl)pyrrolidine-2-carbonitrile	NA	NA	C17H25N3O3	319.41
1217		Vildagliptin Impurity		Impurity	AQ-TR-C-486	1-(((1R,3S,5R)-3-hydroxyadamantan-1-yl)glycyl)-4,5-dihydro-1H-pyrrole-2-carboxamide	NA	NA	C17H25N3O3	319.41
1218		Vildagliptin Diketo Impurity		Impurity	AQ-TR-C-638	2-((1R,3S,5R)-3-hydroxyadamantan-1-yl)hexahydropyrrolo[1,2-a]pyrazine-1,4-dione	1789703-36-1	Vildagliptin Lactam	C17H24N2O3	304.39
1219		(2R)-1-(Chloroacetyl)-2-pyrrolidinecarbonitrile		Impurity	AQ-TR-C-839	(R)-1-(2-chloroacetyl)pyrrolidine-2-carbonitrile	565452-98-4	Vildagliptin Chloroacetyl Nitrile(R)-Isomer	C7H9ClN2O	172.61
1220	Vortioxetine	Vortioxetine N-Methyl Impurity		Impurity	AQ-TR-C-013	1-(2-((2,4-dimethylphenyl)thio)phenyl)-4-methylpiperazine hydrochloride	1293489-87-8	NA	C19H25ClN2S (HCl Salt) C19H24N2S (Free base)	348.93 (HCl Salt) 312.48 (Free base)
1221		Vortioxetine N-Formyl Impurity		Impurity	AQ-TR-C-014	4-(2-((2,4-dimethylphenyl)thio)phenyl)piperazine-1 carbaldehyde	2135576-73-5	NA	C19H22N2OS	326.46
1222	Zileuton	2-ABT Impurity		impurity	AQ-TR-C-943	1-(benzo[b]thiophen-2-yl)ethan-1-one	22720-75-8	NA	C10H8OS	176.23
1223		Zileuton impurity-B		impurity	AQ-TRI-C-944	(Z)-1-(benzo[b]thiophen-2-yl)ethan-1-one oxime	147396-08-5	NA	C10H9NOS	191.25
1224		Zileuton impurity-C		impurity	AQ-TR-C-945	(E)-1-(benzo[b]thiophen-2-yl)ethan-1-one oxime	147396-07-4	NA	C10H9NOS	191.25
1225		Zileuton impurity-D		impurity	AQ-TR-C-946	1-(1-(benzo[b]thiophen-2-yl)ethyl)urea	171370-49-3	NA	C11H12N2OS	220.29
1226		Zileuton impurity-A		impurity	AQ-TR-C-1043	N-(1-(benzo[b]thiophen-2-yl)ethyl)hydroxylamine	118564-89-9	NA	C10H11NOS	193.26

S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
1227	**Ziprasidone**	Ziprasidone Related Compound C		impurity	AQ-TR-C-1262	5,5'-bis(2-(4-(benzo[d]isothiazol-3-yl)piperazin-1-yl)ethyl)-6,6'-dichloro-3-hydroxy-[3,3'-biindoline]-2,2'-dione	1303996-68-0	Ziprasidone EP Impurity D; Ziprasidone EP-D (Zipra RC-C)	C42H40Cl2N8O3S2	839.86
1228		4-(dibromomethyl)benzoic acid		Impurity	AQ-TR-C-307	4-(dibromomethyl)benzoic acid	29045-93-0	p-Toluic acid	C8H6Br2O2	293.94
1229		3,5-dinitro-4-hydroxy acetophenone		Impurity	AQ-TR-C-337	1-(4-hydroxy-3,5-dinitrophenyl)ethan-1-one	52129-61-0	NA	C8H6N2O6	226.14
1230		n-propyl trifluoroacetate		Impurity	AQ-TR-C-242	propyl 2,2,2-trifluoroacetate	383-66-4	Propyl perfluoroacetate	C5H7F3O2	156.1
1231		4-Methoxy-3-methylphenylacetone		Impurity	AQ-TR-C-491	1-(4-methoxy-3-methylphenyl)propan-2-one	16882-23-8	NA	C11H14O2	178.23
1232		3-iodo-2,6-dimethylaniline		Impurity	AQ-TR-C-655	3-iodo-2,6-dimethylaniline	784107-79-5	NA	C8H10IN	247.08
1233	**2,4,6-Tribromo methyl benzoate**	2,4,6-Tribromo methyl benzoate		Impurity	AQ-TR-C-342	methyl 2,4,6-tribromobenzoate	14920-88-8	NA	C8H5Br3O2	372.84
1234		Methyl 3-Nitropropanoate		Impurity	AQ-TR-C-597	methyl 3-nitropropanoate	20497-95-4	3-Nitropropanoic acid methyl ester; Methyl β-nitropropionate	C4H7NO4	133.1
1235		2,3-Dinitro phenol		Impurity	AQ-TR-C-621	2,3-dinitrophenol	NA	NA	C6H4N2O5	184.11
1236		2,6-Dinitro phenol		Impurity	AQ-TR-C-624	2,6-dinitrophenol	NA	NA	C6H4N2O5	184.11
1237		4,4-dibromo-3-methyl-2-pyrazolin-5-one		Impurity	AQ-TR-C-625	4,4-dibromo-5-methyl-2,4-dihydro-3H-pyrazol-3-one	33549-66-5	NSC 522042	C4H4Br2N2O	255.9
1238		2-Methylbutyl chloroformate		Impurity	AQ-TR-C-647	2-methylbutyl carbonochloridate	20412-39-9	NA	C6H11ClO2	150.6
1239		2,6-ditert-butyl-4-hydroxy-4-methylcyclohexa-2,5-dien-1-one		Impurity	AQ-TR-C-615	2,6-di-tert-butyl-4-hydroxy-4-methylcyclohexa-2,5-dien-1-one	10396-80-2	NA	C15H24O2	236.36
1240		2,6-ditert-butyl-4-hydroxyperoxy-4-methylcyclohexa-2,5-dien-1-one		Impurity	AQ-TR-C-620	2,6-di-tert-butyl-4-hydroperoxy-4-methylcyclohexa-2,5-dien-1-one	6485-57-0	NA	C15H24O3	252.35
1241		1H-imidazol-1-yl-methanol		Impurity	AQ-TR-C-662	(1H-imidazol-1-yl) methanol	51505-76-1	NA	C4H6N2O	98.11
1242		5-nitroisophthalic acid (Impurity-O)		Impurity	AQ-TR-C-719	5-nitroisophthalic acid	NA	NA	C8H5NO6	211.13
1243		3-bromo-4-fluoro-N-methylbenzamide		Impurity	AQ-TR-C-778	3-bromo-4-fluoro-N-methylbenzamide	337536-22-8	NA	C8H7BrFNO	232.05
1244		5-bromo-3-(bromomethyl)-1-tosyl-1H-indole		Impurity	AQ-TR-C-785	5-bromo-3-(bromomethyl)-1-tosyl-1H-indole	NA	NA	C16H13Br2NO2S	443.15

S.No.	API NAME	NAME OF COMPOUND	STRUCTURE	CATEGORY	CAT No	IUPAC NAME	CAS NUMBER	SYNONYMS	MOLECULAR FORMULA	MOLECULAR WEIGHT
1245		(5-Bromo-1-Tosyl-1H-Indole-3yl) Methanol		Impurity	AQ-TR-C-788	(5-bromo-1-tosyl-1H-indol-3-yl)methanol	NA	NA	C16H14BrNO3S	380.26
1246		2-Bromo 4-fluoro N-methyl benzamide		Impurity	AQ-TR-C-789	2-bromo-4-fluoro-N-methylbenzamide	923138-87-8	NA	C8H7BrFNO	232.05
1247	3-quinuclidinyl benzilate	3-quinuclidinyl benzilate		impurity	AQ-TR-C-1140	quinuclidin-3-yl 2-hydroxy-2,2-diphenylacetate	02-06-6581	NA	C21H23NO3	337.42
1248	Chloro Methyl propionate	Chloro Methyl propionate		impurity	AQ-TR-C-1141	chloromethyl propionate	5402-53-9	NA	C4H7ClO2	122.55
1249	5-Pyrimidine Carboxamide	5-Pyrimidine Carboxamide (OCID 2287)		impurity	AQ-TR-C-1142	N-(4-methoxyphenyl)-4-(methylamino)-6-(methylthio)-2-(pyridin-3-yl)pyrimidine-5-carboxamide	929090-16-4	NA	C19H19N5O2S	381.45
1250	2,4-Dibromo methyl benzoate	2,4-Dibromo methyl benzoate		impurity	AQ-TR-C-1143	methyl 2,4-dibromobenzoate	54335-33-0	NA	C8H6Br2O2	293.94
1251	4-isobutoxy benzaldehyde	4-isobutoxy benzaldehyde		impurity	AQ-TR-C-1144	4-isobutoxybenzaldehyde	18962-07-7	NSC 68517	C11H14O2	178.23