



**List of API's Impurities
Metabolites / Intermediates**

	Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
A	ABACAVIR				
	Abacavir EP Impurity A	(1R,4S)-Abacavir ; ent-Abacavir ; [(1R,4S)-4-[2-Amino-6-(cyclopropylamino)-9H-purin-9-yl]cyclopent-2-enyl]methanol	136470-79-6	C14H18N6O	286.33
	Abacavir EP Impurity B	Abacavir USP RC D ; O-Pyrimidine Derivative Abacavir (USP) ; 6-(Cyclopropylamino)-9-[(1R,4S)-4-[[2,5-diamino-6-chloropyrimidin-4-yl]oxy]methyl]cyclopent-2-enyl]-9H-purine-2-amine ;	1443421-69-9	C18H21ClN10O	428.88
	Abacavir EP Impurity C	Abacavir USP RC A ; Descyclopropyl Abacavir (USP) ; [(1S,4R)-4-(2,6-Diamino-9H-purin-9-yl)cyclopent-2-enyl]methanol.	124752-25-6	C11H14N6O	246.27
	Abacavir EP Impurity D	trans-Abacavir Dihydrochloride ; [(1R,4R)-4-[2-Amino-6-(cyclopropylamino)-9H-purin-9-yl]cyclopent-2-enyl]methanol dihydrochloride ;	783292-37-5	C14H20Cl2N6O	359.25
	Abacavir EP Impurity E	Dihydro Abacavir ; [(1R,3S)-3-[2-Amino-6-(cyclopropylamino)-9H-purin-9-yl]cyclopentyl] methanol.	208762-35-0	C14H20N6O	288.35
	Abacavir EP Impurity F	O-t-Butyl Derivative Abacavir (USP) ; Abacavir t-Butyl Ether ; 6-(Cyclopropylamino)-9-[(1R,4S)-4-[[1,1-dimethylethyl]oxy]methyl]cyclopent-2-enyl]-9H-purine-2-amine.	1443421-68-8	C18H26N6O	342.44
	Abacavir USB RC B	[4-(2,5-Diamino-6-chloropyrimidin-4-ylamino)cyclopent-2-enyl]methanol ;	141271-12-7	C19H14ClN5O	255.70
	Abacavir Cyclopropyl	N6-Cyclopropyl-9H-purine-2,6-diamine.	120503-69-7	C8H10N6	190.21
	3-Hydroxy Abacavir	(1R,2R,4S)-2-(2-amino-6-(cyclopropylamino)-9H-purin-9-yl)-4-(hydroxymethyl)cyclopentanol	NA	C14H20N6O2	304.35
	Abacavir Enantiomer Impurity	(1R,4R)-4-[2-Amino-6-(cyclopropyl amino)-9H-purin-9-yl]-2-cyclopentene-1-methanol.	NA	C14H18N6O	286.3
	ACEBUTOLOL				
	Acebutolol HCl	Acebutolol Hydrochloride ; N-[3-Acetyl-4-[(2RS)-2-hydroxy-3-[(1-methylethyl)amino]propoxy] phenyl]butanamide hydrochloride ;	34381-68-5	C18H29ClN2O4	372.89
	Acebutolol EP Impurity A	Acebutolol EP Impurity A ; 3'-Acetyl-4'-(2,3-epoxypropoxy)-butyranilide ;	28197-66-2	C15H19NO4	277.32
	Acebutolol EP Impurity C	N-(3-Acetyl-4-hydroxyphenyl)butanamide ;	40188-45-2	C12H15NO3	221.25
	Acebutolol EP Impurity J	N-[3-Acetyl-4-[(2RS)-2-hydroxy-3-[(1-methylethyl) amino] propoxy] phenyl] propanamide hydrochloride ;	57898-79-0	C17H27ClN2O4	358.86
	Acebutolol EP Impurity B	Acebutolol USP RC B ; Diacetolol Hydrochloride ; N-[3-acetyl-4-[(2RS)-2-hydroxy-3-[(1-methylethyl) amino] propoxy] phenyl] acetamide hydrochloride ; 73899-76-0 (HCl salt) ; 22568-64-5 (base) ;	NA	C16H25ClN2O4	344.83
	Acebutolol EP Impurity D	Acebutolol EP Impurity D ; 1-[5-Amino-2-[(2RS)-2-hydroxy-3-[(1-methylethyl)amino]propoxy]phenyl]ethanone ;	57898-80-3	C14H22N2O3	266.34

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Acebutolol EP Impurity E	Acebutolol EP Impurity E ; Acebutolol Desacetyl Impurity ; N- [4-[(2RS)-2-Hydroxy-3-[(1-methylethyl)amino]propoxy]phenyl]butanamide hydrochloride ;	NA	C16H27ClN2O3	330.85
Acebutolol EP Impurity F	Acebutolol EP Impurity F ; Acebutolol Diol ; N-[3-Acetyl-4- [(2RS)-2,3-dihydroxypropoxy] phenyl]butanamide ;	96480-91-0	C15H21NO5	295.33
Acebutolol EP Impurity G	N,N?-[[(1-Methylethyl)imino]bis[(2-hydroxypropane-1,3- diyl)oxy(3-acetyl-1,4-phenylene)]]dibutanamide ;	1330165-98-4	C33H47N3O8	613.74
Acebutolol EP Impurity H	N,N[(2-Hydroxypropane-1,3-diyl)bis[oxy(3-acetyl-1,4-phenylene)]]dibutanamide	1329613-31-1	1329613-31-1	498.57
Acebutolol EP Impurity I	N-[3-Acetyl-4-[(2RS)-3-(ethylamino)-2-hydroxypropoxy]phenyl]butanamide ;	441019-91-6	C17H26N2O4	322.40
Acebutolol EP Impurity K	3-Deacetyl-3-Butanoyl Acebutolol Hydrochloride ; N-[3- Butanoyl-4-[(2RS)-2-hydroxy-3-[(1-methylethyl) amino] propoxy] phenyl] butanamide HCl ;	57898-71-2	C20H33ClN2O4	400.94
ACECLOFENAC				
Aceclofenac EP Impurity A	[2-[(2,6-Dichlorophenyl)amino]phenyl]acetic acid sodium salt ;	15307-79-6	C14H11Cl2NO2	296.15
Aceclofenac	[[[2-[(2,6-Dichlorophenyl)amino]phenyl]acetyl]oxy]acetic acid ;	89796-99-6	C16H13Cl2NO4	354.18
Aceclofenac EP Impurity B	Methyl [2-[(2,6-dichlorophenyl)amino]phenyl]acetate ;	15307-78-5	C15H13Cl2NO2	310.18
Aceclofenac EP Impurity C	Ethyl [2-[(2,6-dichlorophenyl)amino]phenyl]acetate ;	15307-77-4	C16H15Cl2NO2	324.20
Aceclofenac EP Impurity D	Methyl [[[2-[(2,6-dichlorophenyl)amino]phenyl] acetyl]oxy]acetate ;	139272-66-5	C17H15Cl2NO4	368.21
Aceclofenac EP Impurity F	Benzyl [[[2-[(2,6-dichlorophenyl)amino]phenyl] acetyl]oxy]acetate ;	100499-89-6	C23H19Cl2NO4	444.31
Aceclofenac EP Impurity G	[[[[[2-[(2,6-Dichlorophenyl)amino]phenyl] acetyl]oxy]acetyl]oxy]acetic acid ;	1215709-75-3	C18H15Cl2NO6	412.22
Aceclofenac EP Impurity I	1-(2,6-Dichlorophenyl)-1,3-dihydro-2H-indol-2-one ;	15362-40-0	C14H9Cl2NO	278.13
Aceclofenac	[[[2-[(2,6-Dichlorophenyl)amino]phenyl]acetyl]oxy]acetic acid ;	89796-99-6	C16H13Cl2NO4	354.18
Aceclofenac EP Impurity H	Diacetic Aceclofenac ; [[[[[[[2-[(2,6-Dichlorophenyl)amino]phenyl]acetyl]oxy]acetyl]oxy]acetyl]oxy]acetic acid ;	NA	C20H17Cl2NO8	470.26

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Aceclofenac EP	Ethyl [[[2-[(2,6-dichlorophenyl) amino] phenyl] acetyl] oxy]	139272-67-6	C18H17Cl2NO4	382.2
Impurity E	acetate ;			4
ACETYL-CYSTEINE				
Acetylcysteine EP Impurity A	L-Cystine ;	56-89-3	C6H12N2O4S2	240.30
Acetylcysteine EP Impurity B	L-Cysteine ;	52-90-4	C3H7NO2S	121.16
Acetylcysteine EP Impurity C	N,N'-Diacetyl-L-cystine ;	5545-17-5	C10H16N2O6S2	324.37
Acetylcysteine EP Impurity D	N,S-Diacetyl-L-cysteine ;	18725-37-6	C7H11NO4S	205.23
ACETAZOLAMIDE				
Acetazolamide EP Impurity A	N-(5-Chloro-1,3,4-thiadiazol-2-yl)acetamide ;	60320-32-3	C4H4ClN3OS	177.61
Acetazolamide	N-(5-Sulfamoyl-1,3,4-thiadiazol-2-yl)acetamide ;	59-66-5	C4H6N4O3S2	222.25
Acetazolamide EP Impurity B	N-(1,3,4-Thiadiazol-2-yl)acetamide ;	5393-55-5	C4H5N3OS	143.17
Acetazolamide EP Impurity E	5-Acetamido-1,3,4-thiadiazole-2-sulfonic acid potassium salt ;	NA	C4H4KN3O4S2	261.32
Acetazolamide EP Impurity G	5-Amino-1,3,4-thiadiazole-2-thiol ;	2349-67-9	C2H3N3S2	133.2
ACICLOVIR				
Aciclovir	Valaciclovir EP Impurity B ; 2-Amino-9-[(2-hydroxyethoxy)methyl]-1,9-dihydro-6H-purin-6-one ;	59277-89-3	C8H11N5O3	225.20
Aciclovir EP Impurity A	2-[(2-Amino-6-oxo-1,6-dihydro-9H-purin-9-yl)methoxy]ethyl acetate ;	102728-64-3	C10H13N5O4	267.24
Aciclovir EP Impurity B	2-Amino-1,9-dihydro-6H-purin-6-one ;	73-40-5	C5H5N5O	151.13
Aciclovir EP Impurity C	2-Amino-7-[(2-hydroxyethoxy)methyl]-1,7-dihydro-6H-purin-6-one	91702-61-3	C8H11N5O3	225.20

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Aciclovir Impurity E	NA	NA	C8H11N5O3	225.21
Aciclovir EP Impurity D	NA	59277-91-7	C15H15N5O4	329.32
Aciclovir EP	N-[9-[(2-Hydroxyethoxy)methyl]-6-oxo-6,9-dihydro-1H-purin-	110104-37-5	C10H13N5O4	267.2
Impurity F	2-yl]acetamide ;			4
Aciclovir EP Impurity G	2-[[2-(Acetylamino)-6-oxo-1,6-dihydro-9H-purin-9-yl]methoxy]ethyl acetate ;	75128-73-3	C12H15N5O5	309.28
Aciclovir EP Impurity H	2-((2-acetamido-6-oxo-1H-purin-9(6H)-yl)methoxy)ethyl benzoate	133186-23-9	C17H17N5O5	371.36
Aciclovir EP Impurity I	2-Amino-7-[[2-[(2-amino-6-oxo-1,6-dihydro-9H-purin-9-yl)methoxy]ethoxy] methyl]-1,7-dihydro-6H-purin-6-one ;	1797832-75-7	C14H16N10O4	388.34
Aciclovir EP Impurity J	9,9'-[Ethylenebis(oxymethylene)]bis(2-amino-1,9-dihydro-6H-purin-6-one) ;	166762-90-9	C14H16N10O4	388.34
Aciclovir EP	2,2'-[Methylenediimino]bis[9-[(2-hydroxyethoxy)methyl]1,9-	1797131-64-6	C17H22N10O6	462.4
Impurity K	dihydro-6H-purin-6-one] ;			2
Aciclovir	Valaciclovir EP Impurity B ; 2-Amino-9-[(2-hydroxyethoxy)methyl]-1,9-dihydro-6H-purin-6-one ;	59277-89-3	C8H11N5O3	225.20
Aciclovir EP Impurity P	2-Amino-9-(2-hydroxyethyl)1,9-dihydro-6H-purin-6-one ;	23169-33-7	C7H9N5O2	195.18
ACETAMINOPHEN				
Acetaminophen Related Compound B	N-(4-hydroxyphenyl)propionamide, Acetaminophen Impurity B, Paracetamol EP Impurity B	1693-37-4	C9H11NO2	165.19
Acetaminophen Related Compound C	2'-Hydroxyacetanilide, 2-Acetamidophenol, N-(2-Hydroxyphenyl)acetamide,	614-80-2	CH3CONHC6H4 OH	151.16
ALFUZOSIN				
Alfuzosin HCl	Alfuzosin Hydrochloride working standard	81403-68-1	C19H28ClN5O4	425.91
Alfuzosin EP Impurity A	Alfuzosin EP Impurity A ; Alfuzosin USP Related Compound A ; Alfuzosin Tetradehydro Impurity ; N-[3-[[4-Amino-6,7-dimethoxyquinazolin-2-yl](methyl)amino]propyl]furan-2-carboxamide hydrochloride	98902-29-5	C19H24ClN5O4	421.88

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Alfuzosin EP Impurity B	Alfuzosin EP Impurity B ; 2-chloro-6,7-dimethoxyquinazolin-4- amine ; 4-Amino-2-chloro-6,7-dimethoxyquinazoline ; 2- Chloro-6,7-dimethoxy-4-quinazolinamine	23680-84-4	C10H10ClN3O2	239.66
Alfuzosin EP Impurity C	N-(3-(4-amino-6,7-dimethoxyquinazolin-2-ylamino)propyl)-tetrahydrofuran-2-carboxamide; N-Desmethyl impurity of Alfuzosin	NA	C18H26ClN5O4 (HCl Salt)	411.17 (HCl salt)
Alfuzosin EP Impurity D	Alfuzosin EP Impurity D ; Alfuzosin Aminopropyl Impurity ; Alfuzosin USP Related Compound D	81403-69-2	C14H22ClN5O2	327.81
Alfuzosin EP	N-Formyl Alfuzosin ; N-[3-[(4-Amino-6,7-dimethoxyquinazolin-	1026411-59-5	C15H22ClN5O3	355.8
Impurity E	2-yl)(methyl)amino]propyl]formamide hydrochloride			2
Alfuzosin EP Impurity F	6,7-dimethoxy-N2,N2-dimethylquinazoline-2,4-diamine	19216-68-3	C12H16N4O2	248.28
Alfuzosin EP Impurity G	N2-(3-(4-amino-6,7-dimethoxyquinazolin-2-ylamino)propyl)- 6,7-dimethoxy-N2-methylquinazoline-2,4-diamine	928780-95-4	C24H30N8O4	494.56
ATORVASTATIN				
Atorvastatin EP Impurity I	(4R,6R)-6-[2-[2-(4-Fluorophenyl)-5-(1-methylethyl)-3-phenyl- 4-[(phenylamino)carbonyl]-1H-pyrrol-1-yl]ethyl]-2,2-dimethyl- 1,3-dioxane-4-acetic acid t-butyl ester.	125971-95	C40H47FN2O5	654.81
ALBENDAZOLE				
Albendazole EP Impurity A	5-(Propylsulphonyl)-1H-benzimidazol-2-amine ;	80983-36-4	C10H13N3S	207.3
Albendazole EP Impurity B	Methyl [5-(propylsulphonyl)-1Hbenzimidazol-2-yl]carbamate ;	54029-12-8	C12H15N3O3S	281.33
Albendazole EP Impurity C	Methyl [5-(propylsulphonyl)-1Hbenzimidazol-2-yl]carbamate ;	75184-71-3	C12H15N3O4S	297.33
Albendazole EP Impurity D	Desmethoxycarbonyl Albendazole Sulfone ; 5- (Propylsulphonyl)-1Hbenzimidazol-2-amine	80983-34-2	C10H13N3O2S	239.29
Albendazole EP Impurity E	Methyl (1H-benzimidazol-2-yl)carbamate ;	10605-21-7	C9H9N3O2	191.19
AMOXICILLIN				
Amoxicillin EP Impurity A	(+)-6-Aminopenicillanic acid ; (2S,5R,6R)-6-Amino-3,3- dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2- carboxylic acid ;	551-16-6	C8H12N2O3S	216.26
AMIODARONE				
Amiodarone EP Impurity D	2-Butyl-3-(3,5-diiodo-4-hydroxybenzoyl)benzofuran ;	1951-26-4	C19H16I2O3	546.14

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Amiodarone Hydrochloride	(2-Butyl-3-benzofuranyl)[4-[2-(diethylamino)ethoxy]-3,5-diiodophenyl]methanone Hydrochloride; 4-[2-(Diethylamino)ethoxy]-3,5-diiodophenyl 2-butyl-3-benzofuranyl Ketone Hydrochloride;	19774-82-4	C25H30ClI2NO3	681.77
Amiodarone	N,N-Di-desethyl Amiodarone ; (2-Butylbenzofuran-3-yl)[4-[2-	757220-04-5	C21H21I2NO3	589.2
Didesethyl Impurity	aminoethoxy]-3,5-diiodophenyl]methanone ;			1
AMITRAZ				
Amitraz Impurity B	Amitraz Imp. B (BP): Form-2',4'-xylylide	60397-77-5	C9H11NO	149.1897
AMISULPRIDE				
Amisulpride EP Impurity B	4-Amino-N-[[[(2RS)-1-ethylpyrrolidin-2-yl]methyl]-5- (ethylsulfonyl)-2-hydroxybenzamide HBr ;	NA	C16H26BrN3O4S	436.36
Amisulpride EP Impurity C	4-Amino-N-[[[(2RS)-1-ethylpyrrolidin-2-yl]methyl]-5-iodo-2-methoxybenzamide ;	176849-91-5	C15H22IN3O2	403.26
AMLODIPINE				
Amlodipine EP Impurity A	NA	88150-62-3	C28H27ClN2O7	538.98
Amlodipine EP Impurity D	Amlodipine EP Impurity D ; Amlodipine USP Related Compound A ; Dehydro Amlodipine Oxalate ; 3-Ethyl 5- methyl 2-[(2-aminoethoxy)methyl]-4-(2- chlorophenyl)-6- methylpyridine-3,5-dicarboxylate oxalate salt	1216406-90-4	C22H25ClN2O9	496.89
Amlodipine EP Impurity B	Amlodipine EP Impurity B ; 3-Ethyl 5-methyl 4-(2- chlorophenyl)-6-methyl-2-[[2- [[2- (methylcarbamoyl)benzoyl]amino]ethoxy]methyl]-1,4- dihydropyridine-3,5-dicarboxylate	721958-72-1	C29H32ClN3O7	570.03
Amlodipine EP Impurity E	Amlodipine USP RC E ; Amlodipine Diethyl Ester ; 3-Ethyl 5- ethyl 4-(2-chlorophenyl)-6-methyl-2-[[2- [(2- aminoethoxy)methyl]-1,4-dihydropyridine-3,5-dicarboxylate	140171-65-9	C21H27ClN2O5	422.9
Amlodipine EP Impurity F	Amlodipine USP RC F ; Amlodipine Dimethyl Ester ; 3-Methyl 5-methyl 4-(2-chlorophenyl)-6-methyl-2-[[2- [(2- aminoethoxy)methyl]-1,4-dihydropyridine-3,5-dicarboxylate	140171-66-0	C19H23ClN2O5	394.85
Amlodipine EP Impurity G	Amlodipine USP RC C ; 3-Methyl 5-methyl 4-(2- chlorophenyl)-2,6-dimethyl-1,4-dihydropyridine-3,5- dicarboxylate ;	43067-01-2	C17H18ClN4	335.78
Amlodipine EP Impurity H	Amlodipine EP Impurity H ; 3-Ethyl 5-methyl 4-(2- chlorophenyl)-6-methyl-2-[2-[(2-carboxybenzoyl) amino ethoxy]methyl]-1,4-dihydropyridine-3,5-dicarboxylate ;	318465-73-5	C28H29ClN2O8	556.99
Amlodipine EP Impurity 1	4-(2-Chlorophenyl)-2-[[2-(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)ethoxy]methyl]-1,4-dihydro-6-methyl-3,5- pyridinedicarboxylic Acid 3,5-Dimethyl Ester	140171-50-2	C??H??ClN?O?	524.95
P-Cl-Amlodipine	3-Ethyl 5-methyl Ester 2-[(2-Aminoethoxy)methyl]-4-(4-chlorophenyl)-1,4-dihydro-6-methyl-3,5-pyridinedicarboxylic Acid;	90445-02-6	C20H25ClN2O2	408.88

Impurity name		Chemical Name	CAS Number	Molecular formula	Molecular weight
	Benzenesulfonic Acid Ethyl Ester	Benzenesulfonic Acid Ethyl Ester ; Ethyl Benzenesulfonate ; Ethyl Besylate ;	515-46-8	C8H10O3S	186.23
	Amlodipine EP Impurity 2	Ethyl 4-(2-Phthalimidoethoxy)acetoacetate; 4-[2-(1,3-Dioxo-1,3-dihydroisoindol-2-yl)ethoxy]-3-oxobutanoic Acid Ethyl Ester; 4-[2-(1,3-Dihydro-1,3-dioxo-2H-isoindol-2-yl)ethoxy]-3-oxobutanoic Acid Ethyl Ester.	88150-75-8	C16H17NO6	319.31
	Amlodipine EP Impurity C	Amlodipine EP Impurity C ; Bis(aminoethoxy) Amlodipine ; Ethyl methyl 2,6-bis[(2-aminoethoxy)methyl]-4-(2-chlorophenyl)-1,4-dihydropyridine-3,5-dicarboxylate ;	721958-74-3	C22H30ClN3O6	467.94
	AMlodypine Aspartic Acid Impurity	AMlodypine Aspartic Acid Impurity	400602-35-9	C30H38ClN3O12 S	700.16
AMBROXOL					
	Ambroxol EP Impurity A	Ambroxol EP Impurity A ; Bromhexine EP Impurity A ; 2- Amino-3,5-dibromobenzenemethanol ; (2-Amino-3,5- dibromophenyl)methanol ; (2-Amino-3,5-dibromo-1- hydroxymethyl)benzene ; (2,4-dibromo-6-hydroxymethyl)aniline ;	50739-76-9	C7H7Br2NO	280.94
	Ambroxol EP Impurity B	trans-4-(6,8-Dibromo-1,4-dihydroquinazolin-3(2H)- yl)cyclohexanol hydrochloride ;	15942-08-2	C14H18Br2N2O	390.11
	Ambroxol EP Impurity C	Dehydro Ambroxol ; trans-4-[[[E]-2-Amino-3,5-dibromobenzylidene]amino]cyclohexanol ;	50910-53-7	C13H16Br2N2O	376.09
	Ambroxol EP Impurity D	cebrophylline Impurity D ; cis-Ambroxol HCl ; cis-4-[(2-Amino- 3,5-dibromobenzyl)amino]cyclohexanol HCl ;	107814-37-9	C13H19Br2ClN2 O	414.56
	Ambroxol EP Impurity E	Bromhexine EP Impurity B ; 2-Amino-3,5- dibromobenzaldehyde ;	50910-55-9	C7H5Br2NO	278.9 3
AMPICILLIN					
	Ampicillin Impurity K	(2R)-2-[(2,2-Dimethylpropanoyl)amino]-2-phenylacetic acid	40610-41-1	C13H17NO3	235.28
	2,4-Dichlorobenzoyl Cyanide	2,4-Dichlorophenylglyoxylonitrile; 2,4-Dichloro-?-oxo-benzeneacetonitrile.	35022-43-6	C8H3Cl2NO	200.02
ANAGRELIDE					
	Anagrelide Impurity C	2-Amino-5,6-dichloro-3(4H)-quinazoline Acetic Acid Ethyl Ester Hydrobromide; USP Anagrelide Related Compound C;	70381-75-8	C12H14BrCl2N3 O2	383.07
	Anagrelide Impurity D	1-Hydroxy Anagrelide;6,7-Dichloro-3,5-dihydro-1-hydroxyimidazo[1,2-a]quinazolin-2(1H)-one; Anagrelide Impurity.	875467-41-7	C10H7Cl2N3O2	272.09
ANASTROZOLE					
	Anastrozole EP Impurity A	Anastrozole USP RC B ; ?-Desmethyl Anastrozole ; 2-[3- [(1RS)-1-Cyanoethyl]-5-(1H-1,2,4-triazol-1-ylmethyl)phenyl]- 2-methylpropanenitrile ;	1215780-15-6	C16H17N5	279.34
	Anastrozole USP Impurity B	NA	1215780-15-6	C16H17N5	279.34

Impurity name		Chemical Name	CAS Number	Molecular formula	Molecular weight
Anastrozole USP Impurity D	NA		120511-84-4	C15H17BrN2	305.21
Anastrozole USP Impurity E	NA		1027160-12-8	C15H16Br2N2	384.11
Anastrozole EP Impurity G	Anastrozole regio isomer; 2,2?-[5-(4H-1,2,4-triazol-4-ylmethyl)benzene-1,3-diyl]bis(2-methylpropanenitrile).		120511-92-4	C17H19N5	293.37
Anastrozole EP Impurity H	2,2'-(5-methylbenzene-1,3-diyl)bis(2-methylpropanenitrile)		120511-72-0	C15H18N2	226.32
Anastrozole Impurity 1	Anastrozole 1,3-Dicyanomethyl Impurity; 1,3- Bis(cyanomethyl)-5-methylbenzene ; (3-Cyanomethyl-5- methylphenyl)acetonitrile ; 5-Methylbenzene-1,3-diacetonitrile		120511-74-2	C11H10N2	170.21
Anastrozole Impurity 2	2,2'-(5-((1H-1,2,4-triazole-4-yl)(4H-1,2,4-triazole-4-yl)methyl)- 1,3-phenylene)bis(2-methylpropanenitrile)		NA	C19H20N8	360.42
APREPITANT					
Aprepitant EP Impurity D	3-[[[(2S,3R)-2-((S)-1-[3,5-Bis(trifluoromethyl)phenyl]ethoxy)-3- (4-fluoro phenyl)morpholino]methyl]-1H-1,2,4-triazol-5(4H)- one.		172822-29-6	C23H21F7N4O3	534.43
Aprepitant (S,R,S)- Isomer	5-[[[(2R,3S)-2-((S)-1-[3,5-bis(trifluoromethyl)phenyl]ethoxy)-3- (4-fluoro phenyl)morpholino]methyl]-1H-1,2,4-triazol-3(2H)- one ;		NA	C23H21F7N4O3	534.43
ARIPIRAZOLE					
Aripiprazole EP Impurity A	Aripiprazole Dihydro Quinolinone Impurity (USP) ; 3,4- Dihydro-7-hydroxy-2(1H)-quinolinone ; 7-Hydroxy-3,4- dihydroquinolin-2(1H)-one.		22246-18-0	C9H9NO2	163.17
Aripiprazole EP Impurity B	Aripiprazole USP Related Compound C ; 1-(2,3-Dichlorophenyl)piperazine hydrochloride.		119532-26-2	C10H13Cl3N2	267.58
Aripiprazole EP Impurity C	Aripiprazole 3-Deschloro Impurity ; 7-[4-[4-(2-Chlorophenyl)- 1-piperazinyl]butoxy]-3,4-dihydro-2(1H)-quinolinone.		203395-81-7	C23H28ClN3O2	413.94
Aripiprazole EP Impurity D	Aripiprazole 2-Deschloro Impurity ; 7-[4-[4-(3-Chlorophenyl)- 1-piperazinyl]butoxy]-3,4-dihydro-2(1H)-quinolinone.		203395-82-8	C23H28ClN3O2	413.94
Aripiprazole EP Impurity E	Aripiprazole USP RC G ; Dehydro Aripiprazole ; 7-[4-[4-(2,3-Dichlorophenyl)-1-piperazinyl]butoxy]-2(1H)-quinolinone.		129722-25-4	C23H25Cl2N3O2	482.83
Aripiprazole EP Impurity F	Aripiprazole USP RC F ; Aripiprazole N-Oxide ; 4-(2,3-Dichlorophenyl)-1-(4-(2-oxo-1,2,3,4-tetrahydroquinolin-7-yloxy)butyl) piperazine 1-oxide.		573691-09-5	C23H27Cl2N3O3	464.38
Aripiprazole Bromo	Aripiprazole Bromobutoxyquinoline Impurity ; 7-(4- Bromobutoxy)-3,4-dihydroquinolin-2-one.		129722-34-5	C13H16BrN2O2	298.18
Aripiprazole-2	NA		882880-12-8	C22H24N2O4	380.44

Impurity name		Chemical Name	CAS Number	Molecular formula	Molecular weight
Aripiprazole Impurity 3	NA		203395-59-9	C??H??BrNO?	296.16
Aripiprazole	NA		1006607-63-1	C36H42Cl2N4O4	664.2
Impurity 4					6
Aripiprazole 3,4- Dichloro	7-(4-(4-(3,4-Dichlorophenyl)piperazin-1-yl)butoxy)-3,4-dihydroquinolin-2(1H)-one ;		NA	C23H27Cl2N3O2	448.39
Aripiprazole Quinolinone Impurity	7-Hydroxy-2(1H)-quinolinone ; 7-Hydroxyquinoline-(1H)-2- one ;		70500-72-0	C9H7NO2	161.16
Aripiprazole USP RC			889443-20-3	C13H17NO3	235.2
B	Aripiprazole Hydroxybutoxyquinoline Impurity ; 7-(4-Hydroxy-butoxy)-3,4-dihydroquinolin-2(1H)-one ;				8
Aripiprazole 4 4 Dimer	Aripiprazole EP Impurity G ;Aripiprazole Dimer ;		1797986-18-5	C48H56Cl4N6O4	922.81
Aripiprazole Diquinoline	1,4-bis[[3,4-Dihydro-2(1H)-quinolinone-7-yl]oxy]-butane ;		882880-12-8	C22H24N2O4	380.44
Aripiprazole N- Oxide	USP Aripiprazole Related Compound F; 7-[4-[4-(2,3- Dichlorophenyl)-1-oxido-1-piperazinyl]butoxy]-3,4-dihydro- 2(1H)-quinolinone;		573691-09-5	C23H2Cl2N3O3	464.38
ARMODAFINIL					
Armodafinil Sulfone	2-[(Diphenylmethyl)sulfonyl]acetamide ;		NA	C15H15NO3S	289.35
Armodafinil S- Isomer	NA		NA	C15H15NO2S	273.35
ASPARTAM					
Aspartam Impurity C	Phenylalanine;L-Phenylalanine ; (S)-2-Amino-3- phenylpropionic acid;2-amino-3-phenylpropanoic acid		63-91-2	C9H11NO2	165.19
Tetradhydro Asenapine	5-Chloro-2-methyl-2H-dibenz[2,3:6,7]oxepino[4,5-c]pyrrole; 5-Chloro-2-methyl-2H-dibenzo[2,3:6,7]oxepino[4,5-c]pyrrole		129385-60-0	C??H??ClNO	281.74
ASPIRIN					
Aspirin Impurity A	4-hydroxybenzoic acid.		99-96-7	C7H6O3	138.12

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Aspirin Impurity B	4-Hydroxyisophthalic Acid; 4-Hydroxy-1,3- benzenedicarboxylic Acid; 4-Hydroxy-m-phthalic Acid; Eupirina; NSC 2445; USP Salicylic Acid Related Compound B;	636-46-4	C8H6O5	182.13
Aspirin Impurity C	Salicylic Acid; 2-Hydroxybenzoic Acid; 2-Carboxyphenol; 2-Hydroxybenzenecarboxylic Acid; 2-Hydroxybenzoic Acid; o-Carboxyphenol; o-Hydroxybenzoic Acid; Rutranex; Saligel; Salonil; Salvona Nanosal; Stri-Dex; Trans-Ver-Sal; Verrugon;	69-72-7	C7H6O3	138.12
Aspirin Impurity E	Salsalate; Aspirin Impurity E, 2-Hydroxybenzoic Acid 2-Carboxyphenyl Ester; Salicylic Acid Salicylate; 2- Hydroxybenzoic Acid 2-Carboxyphenyl Ester; Diacesal; Diplosal; Disalcid; Disalgescic; Disalicylic Acid; Disalyl; Mono- Gescic; NSC 49171; Nobacid; Salflex;	552-94-3	C14H10O5	258.23
Aspirin Impurity D	Acetylsalicylic Acid; 2-(Acetyloxy)benzoic Acid 2-Carboxyphenyl Ester; Acesalum; Diplosal Acetate; Diplosalacetat; Salicylacetylsalicylic Acid;	530-75-6	C16H12O6	300.27
Aspirin Impurity F	Acetylsalicylic Anhydride; Aspirin Impurity F, 2-(Acetyloxy)benzoic Acid 1,1-Anhydride; Salicylic Acid Acetate Anhydride; 2-Acetoxybenzoic Anhydride; Aspirin anhydride; Contraflu; NSC 63848; NSC 80056; Pircan; Vigal; Acetylsalicylic Acid Impurity D;	1466-82-6	C18H14O7	342.3
ATENOLOL				
Atenolol EP Impurity H	Atenolol USP RC B ; 2-[4-[(2RS)-2-hydroxy-3-[(1-methylethyl)amino]propoxy]phenyl]acetonitrile ;	NA	C14H20N2O2	248.32
Atenolol EP Impurity I	Atenolol Desmethyl Impurity ; Atenolol Ethylamino Analog ; 2-(4-(3-(Ethylamino)-2-hydroxypropoxy)phenyl)acetamide ;	1797116-92-7	C13H20N2O3	252.31
ATOMOXETINE				
Atomoxetine EP Impurity A	Atomoxetine EP Impurity A ; N-Methyl-3-phenoxy-3- phenylpropan-1-amine hydrochloride	873310-33-9	C16H20CINO	277.79
Atomoxetine EP Impurity B	Atomoxetine S-Isomer; Atomoxetine EP Impurity B ; (S)-Atomoxetine HCl ; (3S)-N-Methyl-3-(2-methylphenoxy)-3-phenylpropan-1-amine hydrochloride ;	82857-39-4	C17H22CINO	291.82
Atomoxetine EP Impurity C	Atomoxetine EP Impurity C ; Atomoxetine USP RC C ; p- Methyl Atomoxetine HCl ; (3R)-N-Methyl-3-(4- methylphenoxy)-3-phenylpropan-1-amine hydrochloride	873310-31-7	C17H22CINO	291.82
Atomoxetine EP Impurity D	Atomoxetine EP Impurity D ; Atomoxetine USP RC B ; m- Methyl Atomoxetine HCl ; (3R)-N-Methyl-3-(3- methylphenoxy)-3-phenylpropan-1-amine hydrochloride.	873310-28-2	C17H22CINO	291.82
Atomoxetine EP Impurity E	Atomoxetine EP Impurity E ; L-Mandelic Acid ; (S)-(+)- Mandelic Acid ; (2S)-2-Hydroxy-2-phenylacetic acid.	17199-29-0	C8H8O3	152.15
Atomoxetine EP Impurity H	Atomoxetine EP Impurity H ; Atomoxetine USP RC A ; 3-(Methylamino)-1-phenylpropan-1-ol	115290-81-8	C10H15NO	165.23
Atomoxetine Related Compound B	Atomoxetine Related Compound B (10 mg) (N-Methyl-3- phenyl-3-(m-tolyloxy)propan-1-amine hydrochloride);M- Methyl AtoMoxetine Hydrochloride;AtoMoxetine Related CoMpound B;N-Methyl-gamma-(3- methylphenoxy)benzenepropanamine	873310-28-2	C17H22CINO	291.82
Atomoxetine N- Desmethyl	N-Desmethyl Atomoxetine Hydrochloride ; (3RS)-3-(2-Methylphenoxy)-3-phenylpropan-1-amine hydrochloride ;	881995-46-6	C16H20CINO	277.79
Atomoxetine HCl Racemate	(3RS)-N-Methyl-3-(2-methylphenoxy)-3-phenylpropan-1- amine hydrochloride ;	82857-40-7	C17H22CINO	291.82

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
ATORVASTATIN				
Atorvastatin EP Impurity A	Atorvastatin EP Impurity A (Sodium Salt) ; Atorvastatin USP Related Compound A ; Desfluoro Atorvastatin Sodium ; (3R,5R)-7-[3-(Phenylcarbamoyl)-5-phenyl-2-isopropyl-4-phenyl-1H-pyrrol-1-yl]-3,5-dihydroxyheptanoic acid sodium salt.	433289-83-9	C33H35N2NaO5	562.63
Atorvastatin EP Impurity B	Atorvastatin EP Impurity B (Calcium Salt) ; (3R,5SR)- Atorvastatin Calcium ; (3R,5SR)-7-[3-(Phenylcarbamoyl)-5-(4-fluorophenyl)-2-isopropyl-4-phenyl-1H-pyrrol-1-yl]-3,5-dihydroxyheptanoic acid calcium salt.	NA	C33H34FN2O5	557.63
Atorvastatin EP Impurity C	Atorvastatin EP Impurity C ; Atorvastatin USP Related Compound C ; Fluoro Atorvastatin Sodium ; Atorvastatin Difluoro Analog ; (3R,5R)-7-[3-(Phenylcarbamoyl)-4,5-bis(4-fluorophenyl)-2-isopropyl-1H-pyrrol-1-yl]-3,5-dihydroxyheptanoic acid sodium salt.	693793-53-2	C33H33F2N2Na O5	598.61
Atorvastatin EP Impurity E	Atorvastatin USP RC E ; ent-Atorvastatin Sodium ; (3S, 5S)-Atorvastatin Sodium ; (3S,5S)-7-[3-(Phenylcarbamoyl)-5-(4-fluorophenyl)-2-isopropyl-4-phenyl-1H-pyrrol-1-yl]-3,5-dihydroxyheptanoic acid sodium salt	501121-34-2	C33H34FN2NaO 5	580.24
Atorvastatin EP Impurity F	Atorvastatin EP Impurity F ; Atorvastatin USP Related Compound F ; Atorvastatin Amide Impurity ; Atorvastatin Amide Acid Sodium Salt ; Atorvastatin Di-Amide Acid Sodium Salt ; Atorvastatin Diamino Impurity Sodium Salt ; (3R,5R)-7-	887196-24-9 (acid) ; 1105067-87-5	C40H47FN3NaO 8	739.80
Atorvastatin Acid Methyl Ester	(3R,5R)-7-[3-(Phenylcarbamoyl)-5-(4-fluorophenyl)-2-isopropyl-4-phenyl-1H-pyrrol-1-yl]-3,5-dihydroxyheptanoic acid methyl ester.	345891-62-5	C34H37FN2O5	572.67
Atorvastatin Acid Ethyl Ester	(3R,5R)-7-[3-(Phenylcarbamoyl)-5-(4-fluorophenyl)-2-isopropyl-4-phenyl-1H-pyrrol-1-yl]-3,5-dihydroxyheptanoic acid ethyl ester.	1146977-93-6	C35H39FN2O5	586.69
Atorvastatin EP Impurity H	Atorvastatin EP Impurity H ; Atorvastatin USP Related Compound H ; Atorvastatin Lactone ; PD-130694 ;5-(4-Fluorophenyl)-2-(1-methylethyl)-N,4-diphenyl-1-[2-[(2R,4R)- tetrahydro-4-hydroxy-6-oxo-2H-pyran-2-yl]ethyl]-1H-pyrrole-3-carboxamide.	125995-03-1	C33H33FN2O4	540.62
Atorvastatin EP Impurity I	(4R,6R)-6-[2-[2-(4-Fluorophenyl)-5-(1-methylethyl)-3-phenyl-4-[(phenylamino)carbonyl]-1H-pyrrol-1-yl]ethyl]-2,2-dimethyl-1,3-dioxane-4-acetic acid t-butyl ester .	125971-95-1	C40H47FN2O5	654.81
Atorvastatin Diketo Amide	2-(2-(4-Fluorophenyl)-2-oxo-1-phenylethyl)-4-methyl-3-oxo-N-phenyl pentanamide .	125971-96-2	C26H24FN03	417.47
Atorvastatin Acid T- Butyl Ester	(3R,5R)-7-[3-(Phenylcarbamoyl)-5-(4-fluorophenyl)-2-isopropyl-4-phenyl-1H-pyrrol-1-yl]-3,5-dihydroxyheptanoic acid t-butyl ester	134395-00-9	C37H43FN2O5	614.75
Atorvastatin Impurity	NA	693793-82-7	C26H23F2NO3	435.47
Atorvastatin (3R,5S)-Isomer	(3R,5S)-7-[3-(Phenylcarbamoyl)-5-(4-fluorophenyl)-2-isopropyl-4-phenyl-1H-pyrrol-1-yl]-3,5-dihydroxyheptanoic acid calcium salt	131275-93-9	C33H34FN2O5	557.63
Difluoro Atorvastatin	(4R,6R)-6-[2-[2,3-Bis(4-fluorophenyl)-5-(1-methylethyl)-4-[(phenylamino)carbonyl]-1H-pyrrol-1-yl]ethyl]-2,2-dimethyl-1,3-Dioxane-4-acetic Acid 1,1-Dimethylethyl Ester.	693793-87-2	C40H46F2N2O5	672.8
Defluoro Atorvastatin Acetonide Tert-Butyl Ester	Defluoro Atorvastatin Acetonide tert-Butyl Ester;(4R,6R)-2,2-DiMethyl-6-[2-[2-(1-Methylethyl)-4,5-diphenyl-3-[(phenylamino)carbonyl]-1H-pyrrol-1-yl]ethyl]-1,3-dioxane-4-acetic Acid 1,1-DiMethylethyl Ester.	1105067-91-1	C40H48N2O5	636.82
Atorvastatin EP Impurity G	(3R,5R)-7-[3-(Phenylcarbamoyl)-5-(4-fluorophenyl)-2-isopropyl-4-phenyl-1H-pyrrol-1-yl]-5-hydroxy-3-methoxy- heptanoic acid sodium salt .	887196-29-4	C34H36FN2NaO 5	594.65

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Atorvastatin 3- Deoxy	Atorvastatin 3-Deoxy-Hept-2-Enoic Acid (Sodium Salt) (USP) ; 2,3-Anhydro Atorvastatin Sodium ; Dehydro Atorvastatin Acid Sodium Salt ; (S)-7-[2-(4-Fluorophenyl)-5-isopropyl-3- phenyl-4-(phenylcarbamoyl)-1H- pyrrol-1-yl]-5-hydroxyhept-2- enoic acid	1105067-93-3	C33H32FN2NaO 4	562.6 1
Atorvastatin 5-Oxo	(3R)-7-[3-(Phenylcarbamoyl)-5-(4-fluorophenyl)-2-isopropyl-	1391052-82-6	C33H33FN2O5	556.6
Acid	4-phenyl-1H-pyrrol-1-yl]-3-hydroxy-5-oxo-heptanoic acid ;			2
Atorvastatin Epoxy Tetrahydrofuran Analog	Atorvastatin Epoxy Tetrahydrofuran Analog (USP) ; Atorvastatin Dihydroxy Epoxy Impurity ; Atorvastatin Photo Degradation Product - ATV-FXA2 ; 4-(4-Fluorophenyl)-2,4- dihydroxy-2-isopropyl-N,5-diphenyl-3,6-dioxabicyclo [3.1.0]hexane-1-carboxamide ;	873950-19-7	C26H24FNO5	449.47
Atorvastatin Calcium Trihydrate	(3R,5R)-7-[3-(Phenylcarbamoyl)-5-(4-fluorophenyl)-2- isopropyl-4-phenyl-1H-pyrrol-1-yl]-3,5-dihydroxyheptanoic acid calcium salt trihydrate ;	134523-03-8	C33H34FN2O5	557.63
Atorvastatin Cyclic	4-(1b-(4-fluorophenyl)-7-hydroxy-7-isopropyl-1a-phenyl-7a-(phenylcarbamoyl)hexahydro-1aH- oxireno[2',3':3,4]pyrrolo[2,1-b][1,3]oxazin-3-yl)-3- hydroxybutanoic acid;1b-(4-Fluorophenyl)hexahydro-?,7- dihydroxy-7-(1-methylethyl)-1a-phenyl-	1315629-79-8	C33H35FN2O7	590.64
Atorvastatin EP Impurity D	Atorvastatin EP Impurity D ; Atorvastatin USP Related Compound D ; Atorvastatin Diketo Epoxide Impurity ; Atorvastatin Degradation Product - ATV-FXA1 ; 3-(4- Fluorobenzoyl)-2-isobutyryl-3-phenyloxirane-2-carboxylic acid phenylamide ;	148146-51-4	C26H22FNO4	431.46
Atorvastatin Diepoxide Calcium Salt	7-[N-Phenyl-2-[4-(4-fluorophenyl)-6-methylethyl]-3,7-dioxa-5-azatricyclo [4.1.0.02,4]-4-[[phenylamino]carboxamide]- (3R,5R)-3,5-dihydroxyheptanoic acid calcium salt	887470-43-1	C33H34FN2O7	589.63
Atorvastatin Cyclic Sodium Salt (Isopropyl) Impurity	(4S)-4-Cyclohexyl-1-[(RS)-1-hydroxy-2-methylpropoxy](4-phenylbutyl) phosphinyl]-acetyl-L-proline propionate (ester), sodium salt ;	1316291-19-6	C33H34FN2NaO 7	612.62
Atorvastatin BHA Impurity	2-tert-Butyl-4-methoxyphenol	121-00-6	C11H16O2	180.24
AZILSARTAN				
Azilsartan Impurity- 1	2-ethoxy-1-((2,5-oxo-4,5-dihydro-1,2,4-oxadiazol-3-yl)- [1,1'-biphenyl]-4-yl)methyl)-1H-benzo[d]imidazole-7- carboxylic acid	147403-03-0	C25H20N4O5	456.45
Azilsartan Impurity- 5	Azilsartan Impurity Q; (5-methyl-2-oxo-1,3-dioxol-4-yl)methyl 1-((2'-carbamoyl-[1,1'-biphenyl]-4-yl)methyl)-2-ethoxy-1H-benzo[d]imidazole-7-carboxylate	NA	C29H25N3O7	527.54
Azelastine EP	Benzohydrazide ; Benzoyldiazane ;	613-94-5	C7H8N2O	136.1
Impurity A				5
BAZEDOXIFENE				
B Bazedoxifene N- Oxide	1-[[4-[2-(Hexahydro-1-oxido-1H-azepin-1- yl)ethoxy]phenyl]methyl]-2-(4-hydroxyphenyl)-3-methyl-1H- indol-5-ol;	1174289-22-5	C??H??N?O?	486.6
Benzothiadiazine	3-Chloroaniline-4,6-disulfonamide, 4-Amino-6-	121-30-2	C6H8ClN3O4S2	285.7

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
USP RC A	chlorobenzene-1,3-disulfonamide			3
BEZAFIBRATE				
Bezafibrate Impurity A	4-Chloro-N-[2-(4-hydroxyphenyl)ethyl]benzamide ; N-(4-Chlorobenzoyl)tyramine ;	41859-57-8	C15H14ClNO2	275.73
Bezafibrate EP Impurity B	4-Chlorobenzoic acid	74-11-3	C7H5ClO2	156.57
Bezafibrate Impurity C	Methyl 2-[4-[2-[(4-Chlorobenzoyl)amino]ethyl]phenoxy]-2-methylpropanoate ;	NA	C20H22ClNO4	375.85
Bezafibrate EP Impurity D	Ethyl 2-[4-[2-[(4-Chlorobenzoyl)amino]ethyl]phenoxy]-2-methylpropanoate ;	41859-58-9	C21H24ClNO4	389.87
Bezafibrate EP Impurity E	Butyl 2-[4-[2-[(4-Chlorobenzoyl)amino]ethyl]phenoxy]-2-methylpropanoate ;	NA	C23H28ClNO4	417.93
4-Hydroxy-1-Butanesulfonic Acid	Busulfan Impurity; NSC 71873; 4-Hydroxybutanesulfonic Acid;	26978-64-3	C4H10O4S	154.18
Bis(4- Sulfobutyl)Ether Disodium	4,4'-Oxybis-1-butanesulfonic Acid Disodium Salt; WAS-18;	183278-30-0	C8H16Na2O7S2	334.32
BENDROFLUMETHIAZIDE				
Bendroflumethiazide Impurity A	4-amino-6-(trifluoromethyl)benzene-1,3-disulphonamide.	654-62-6	C7H8F3N3O4S2	318.28
BETAXOLOL				
Betaxolol EP Impurity A	(2RS)-1-(4-Ethylphenoxy)-3-[(1-methylethyl)amino] propan- 2-ol hydrochloride;	464877-45-0 (HCl)	C14H24ClNO2	273.8
Betaxolol EP	(2RS)-1-[4-(2-Hydroxyethyl)phenoxy]-3-[(1-	62572-94-5	C14H23NO3	253.3
Impurity B	methylethyl)amino]propan-2-ol ;			4
BECLOMETASONE				
Beclometasone Dipropionate EP Impurity G	9-Fluoro-16?-methyl-3,20-dioxopregna-1,4-diene-11?,17,21- triyl tripropanoate ;	1186048-33-8	C31H41FO8	560.65
Beclometasone Dipropionate EP	9,11?-Epoxy-17,21-dihydroxy-16?-methyl-9?- pregna-1,4-diene-3,20-dione ;	981-34-0	C22H28O5	372.45
Impurity R				

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Beclometasone Dipropionate EP	9,11?-Epoxy-17-hydroxy-16?-methyl-3,20-dioxo- 9?-pregna-1,4-dien-21-yl propanoate ;	205105-83-5	C25H32O6	428.52
Impurity V				
Benzonitrile Impurity 1	(Hydroxymethyl)-2-?-cyanobiphenyl; 4-?- Hydroxymethyl-2-cyano-1,1-?-biphenyl	154709-19-0	C14H11NO	209.24
BENDAMUSTINE				
Bendamustine USP RC A	Bendamustine Dihydroxy Impurity ; 4-[5-[Bis(2- hydroxyethyl)amino]-1-methylbenzimidazol-2- yl]butanoic acid HCl ;	109882-30-6	C16H23N3O4	321.37
Bendamustine USP RC C	Bendamustine Dihydroxy Acid Ethyl Ester ; 4-(5- (Bis(2-hydroxyethyl)amino)-1-methyl-1H- benzo[d]imidazol-2-yl)butanoic acid ethyl ester ;	3543-74-6	C18H27N3O4	349.42
Bendamustine Methyl Ester	4-[5-[Bis(2-chloroethyl)amino]-1- methylbenzimidazol-2-yl]butanoic acid methyl ester ;	NA	C17H23Cl2N3 O2	372.29
Bendamustine HCl	Bendamustine Hydrochloride ; 4-[5-[Bis(2- chloroethyl)amino]-1-methylbenzimidazol-2-yl]butanoic acid hydrochloride ;	3543-75-7	C16H22Cl3N3O 2	394.72
Bendamustine Ben- 2A	4-[5-[Bis-(2-Chloro-ethyl)-amino]-1-methyl-1H- benzoimidazol-2-yl]-butyric acid isopropyl ester	NA	C19H27Cl2N3O 2	400.34
Bendamustine USP RC E	Hydroxy Bendamustine HCl ; 5-[(2-Chloroethyl)(2-hydroxyethyl)amino]-1-methyl-1H-benzimidazole-2- butanoic acid hydrochloride ;	109882-27-1	C16H22ClN3O3	339.82
Bendamustine HP-I	4-[5-[(2-Chloro-ethyl)-(2-hydroxy-ethyl)-amino]-1-methyl- 1H-benzoimidazol-2-yl]-butyric acid isopropyl ester	NA	C19H28ClN3O3	381.90
BETAHISTINE				
Betahistine EP Impurity A	2-Vinylpyridine (stabilized with 0.1% 4-tert-butylcatechol); 2-Ethenylpyridine; 2-Pyridylethylene; NSC 18255; ?- Vinylpyridine; Betahistine Impurity A;	100-69-6	C7H7N	105.14
Betahistine EP Impurity B	2-Pyridineethanol; 2-(2-Hydroxyethyl)pyridine; 2-(2-Pyridinyl)ethanol; 2-(2-Pyridyl)ethanol; 2-(2-Pyridyl)ethyl alcohol; 2-(?-Pyridyl)ethanol; 2-(?-Hydroxyethyl)pyridine; 2-Pyridylethanol; NSC 2144; NSC 77979; ?-(2- Pyridyl)ethanol; Betahistine Impurity B;	103-74-2	C7H9NO	123.16
Betahistine EP Impurity C	N-methyl-2(pyridine-2-yl)-[2-pyridine-2-yl)ethyl]ethanamine trihydrochloride;N-Methyl-N-[2-(2-pyridinyl)ethyl]-2-pyridineethanamine; Methylbis(2-pyridylethyl)amine; N-Methylbis[2-(2-pyridylethyl)]amine;lethyl)amin.	5452-87-9	C15H19N3	241.33
BIMATOPROST				
Bimatoprost	(5Z)-7-[(1R,2R,3R,5S)-3,5-Dihydroxy-2-[(1E,3S)-3-hydroxy-5-phenyl-1-penten-1-yl]cyclopentyl]-N-ethyl-5-	155206-00-1	C25H37NO4	415.5
				7

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
	heptenamide; AGN-192024; Lumigan; Prostaglandin H synthase inhibitor;			
Bimatoprost Acid	(5Z)-7-[(1R,2R,3R,5S)-3,5-Dihydroxy-2-[(1E,3S)-3-hydroxy-5-phenyl-1-penten-1-yl]cyclopentyl]-5-heptenoic Acid; 17-Phenyl-18,19,20-trinor-PGF ₂ ?; PhXA 70; (5Z)-7-[(1R,2R,3R,5S)-3,5-dihydroxy-2-[(1E,3S)-3-hydroxy-5-phenyl-1-	38344-08-0	C23H32O5	388.5
Trans Bimatoprost	(E)-7-[(1R,2R,3R,5S)-3,5-dihydroxy-2-[(3S)-3-hydroxy-5-phenylpent-1-enyl]cyclopentyl]-N-ethylhept-5-enamide;(5E)-Bimatoprost.	1163135-95-	C25H37NO4	415.56
		2		
Bimatoprost Acid	(5Z)-7-[(1R,2R,3R,5S)-3,5-Dihydroxy-2-[(1E,3S)-3-hydroxy-5-phenyl-1-penten-1-yl] Ester.	38315-47-8	C24H34O5	402.5
Methyl Ester				2
BISOPROLOL				
Bisoprolol EP	Bisoprolol EP Impurity A ; (RS)-1-(4- Hydroxymethylphenoxy)-3-isopropylaminopropan-2-ol ;	62572-93-4	C13H21NO3	239.3
Impurity A				1
Bisoprolol EP Impurity B	Bisoprolol EP Impurity B ; Bisoprolol Propyl Analog ; (RS)-1-Isopropylamino-3-[4-(2-propoxyethoxymethyl) phenoxy] propan-2-ol ;	1447715-44-7	C18H31NO4	325.44
Bisoprolol EP Impurity G	(2RS)-1-[4-(((2-Isopropoxy-ethoxy)methoxy)methyl)phenoxy]-3-(isopropyl-amino)-2- propanol ;	1215342-36-1	C19H33NO5	355.47
Bisoprolol EP Impurity L	Bisoprolol EP Impurity L ; 4-(((2RS)-2-Hydroxy-3- (isopropylamino)-propyl)oxy)benzaldehyde hydrochloride ;	29122-74-5	C13H20ClNO3	273.76
Bisoprolol EP Impurity S	Bisoprolol EP Impurity S ; 4-Hydroxybenzaldehyde ;	123-08-0	C7H6O2	122.12
Bisoprolol EP Impurity Q	Bisoprolol EP Impurity Q ; (2RS)-1-Isopropylamino-3-[4-(2-methoxyethoxy)methyl]-phenoxy-2-propanol fumarate ;	1346604-00-9	C16H27NO4	297.39
Bisoprolol EP Impurity K	Bisoprolol EP Impurity K ; Bisoprolol Ester Impurity ; 2-Isopropoxyethyl 4-(((2RS)-2-Hydroxy-3- (isopropylamino)propyl)-oxy]benzoate fumarate ;	864544-37-6	C18H29NO5	339.43
Bisoprolol EP Impurity R	Bisoprolol EP Impurity R ; (2RS)-1-(Isopropylamino)-3-(4-methylphenoxy)propan-2-ol fumarate ;	5790-46-5	C13H21NO2	223.31
BICALUTAMIDE				
Bicalutamide EP Impurity A	Desfluoro Bicalutamide ; (RS)-N-[4-Cyano-3- (trifluoromethyl)phenyl]-3-phenyl sulfonyl-2-hydroxy-2- methyl-propanamide ;	90357-05-4	C18H15F3N2O4 S	412.38

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Bicalutamide EP Impurity C	Bicalutamide Deshydroxy Impurity ; (RS)-N-[4-Cyano-3-(trifluoromethyl)phenyl]-3-[(4-fluorophenyl) sulfonyl]-2- methylpropanamide ;	906008-94-4	C18H14F4N2O 3S	414.37
Bicalutamide EP Impurity D	4-Amino-2-(trifluoromethyl)benzotrile ;	654-70-6	C8H5F3N2	186.13
BISACODYL				
Bisacodyl EP Impurity A	4,4'-(Pyridin-2-ylmethylene)diphenol ;	603-41-8	C18H15NO2	277.32
BORTEZOMIB				
Bortezomib	(1R, 2S)-Bortezomib ; [(1R)-3-Methyl-1-((2S)-3-phenyl-2- [(pyrazin-2-ylcarbonyl)amino]propanoyl) amino)butyl]boronic acid ;	179324-69-7	C19H25BN4O4	384.24
Bortezomib Impurity A	Bortezomib Amide Impurity ; (2S)-3-Phenyl-2-[(pyrazin-2-ylcarbonyl)amino]propanamide ;	289472-80-6	C14H14N4O2	270.29
Bortezomib Impurity B	Bortezomib Acid Impurity ; (2S)-3-Phenyl-2-[(pyrazin-2-ylcarbonyl)amino]propanoic acid ; N-(2-Pyrazinyl carbonyl)-L-phenylalanine ;	114457-94-2	C14H13N3O3	271.27
Bortezomib Impurity C	1-[[[(2S)-1-oxo-3-phenyl-2- [(pyrazinylcarbonyl)amino]propyl]amino]pentyl]boronic acid.	NA	C19H25BN4O4	384.25
Bortezomib Impurity D	Bortezomib (1R, 2R)-Isomer ; [(1R)-3-Methyl-1-((2R)-3- phenyl-2- [(pyrazin-2-ylcarbonyl)amino]propanoyl) amino)butyl]boronic acid ;	1132709-15-9	C19H25BN4O4	384.24
Bortezomib Impurity E	(R)-Hydroxy Des(boric Acid) Bortezomib	289472-78-2	C19H24N4O3	356.42
Bortezomib Impurity F	Bortezomib Acid Methyl Ester ; (2S)-3-Phenyl-2-[(pyrazin- 2-ylcarbonyl)amino]propanoic acid methyl ester ;	73058-37-4	C15H15N3O3	285.3
Bortezomib Impurity G	Bortezomib Hydroxy Impurity (1S, 2S)-Isomer ; N-[[[(2S)-1-[[[(1S)-1-Hydroxy-3-methyl butyl]amino]-1-oxo-3- phenylpropan-2-yl]pyrazine-2-carboxamide ;	289472-81-7	C19H24N4O3	356.42
Bortezomib (1S, 2S)-Isomer	Bortezomib (1S, 2S)-Isomer ; [(1S)-3-Methyl-1-((2S)-3- phenyl-2- [(pyrazin-2-ylcarbonyl)amino]propanoyl) amino)butyl]boronic acid ;	1132709-14-8	C19H25BN4O4	384.24
Bortezomib (1S, 2R)-Isomer	Bortezomib (1S, 2R)-Isomer ; [(1S)-3-Methyl-1-((2R)-3- phenyl-2- [(pyrazin-2-ylcarbonyl)amino]propanoyl) amino)butyl]boronic acid ;	1132709-16-0	C19H25BN4O4	384.24
BRIMONIDINE				
Brimonidine EP Impurity A	N-(Imidazolidin-2-ylidene)quinoxalin-6-amine ;	91147-43-2	C11H11N5	213.24
Brimonidine EP Impurity E	2-(5-Bromoquinoxalin-6-yl)guanidine HCl ;	168329-48-4 (base)	C9H8BrN5	266.10

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Brimonidine Carbamothioate Impurity	O-Ethyl (5-Bromoquinoxalin-6-yl)carbamothioate ; (5- Bromo-6-quinoxaliny)carbamothioic acid O-ethyl ester ;	842138-75-4	C11H10BrN3OS	312.19
BROMAZEPAM				
Bromazepam EP Impurity A	2-Amino-5-bromophenyl 2-pyridyl Ketone; 2-Amino-5- bromophenyl-2-pyridylmethanone.	1563-56-0	1563-56-0	277.1
Bromazepam EP Impurity B	N-(4-Bromo-2-picolinoylphenyl)-2-chloroacetamide, 2-(2-Chloroacetamido-5-bromobenzoyl)pyridine; 2-[2-(2-Chloroacetamido)-5-bromobenzoyl]pyridine.	41526-21-0	C14H10BrClN2 O2	353.6
Bromazepam EP Impurity C	6-Methyl bromazepam, 7-bromo-1,3-dihydro-5-(6-methyl- 2-pyridinyl)-2H-1,4-benzodiazepin-2-one.	868350-97-4	C15H12BrN3O	330.2
Bromazepam EP Impurity D	3-Amino-6-bromo-4-(2-pyridinyl)-2(1H)-quinolinone, Bromazepam Impurity B	77616-97-8	C14H10BrN3O	316.2
Bromazepam EP Impurity E	2-Bromo-N-[4-bromo-2-(2-pyridinylcarbonyl)phenyl]- acetamide, 2,4-Dibromo-2-picolinoyl-acetanilide.	1694-64-0	C14H10Br2N2O 2	398.0 5
BRINZOLAMIDE				
Brinzolamide Impurity A	Brinzolamide USP RC A ;Brinzolamide (S)-Isomer ; (S)-4- (Ethylamino)-3,4-dihydro-2-(3-methoxypropyl)-2H- thieno[3,2-e]-1,2-thiazine-6-sulfonamide 1,1-Dioxide ;	154127-19-2	C12H21N3O5S3	383.51
Brinzolamide Impurity B	Brinzolamide USP RC B ;Brinzolamide N-Desethyl Impurity ; (4R)-4-Amino-3,4-dihydro-2-(3-methoxypropyl)- 2H-thieno[3,2-e]-1,2-thiazine-6-sulfonamide 1,1-Dioxide ;	404034-55-5	C10H17N3O5S 3	355.45
Brinzolamide Impurity C HBr	NA	186377-56-0	C11H19N3O5S3	369.48
Brinzolamide Impurity D	4-hydroxy-2-(3-methoxypropyl)-3,4-dihydro-2H-thieno[3,2-e][1,2]thiazine-6-sulfonamide 1,1-dioxide.	NA	C10H16N2O6S3	356.44
BREXPIRAZOLE				
Brexpirazole Impurity 5	1-(1-benzofuran-4-yl)piperazine hydrochloride	105684-85-3	C12H14N2O.	202.2 6
BUPIVACAINE				
Bupivacaine EP Impurity A	N-(2,6-dimethylphenyl)pyridine-2-carboxamide;2',6'-Picolinoylidide.	39627-98-0	C14H14N2O	226.27
Bupivacaine EP Impurity B	(RS)-N-(2,6-Dimethylphenyl)piperidine-2-carboxamide Hydrochloride;Bupivacaine Related Compound B.	15883-20-2	C14H20N2O	232.32
Bupivacaine Impurity F	2,6-Dimethylaniline, 2,6-Xylidine, 2-Amino-1,3- dimethylbenzene, 2-Amino-m-xylene.	87-62-7	(CH3)2C6H3NH 2	121.1 8
BUPROPION				

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Bupropion USP RC B	Bupropion USP Related Compound B (HCl Salt) ; 2-(tert- Butylamino)-3'-bromopropiophenone hydrochloride ; 2- (tert-Butylamino)-1-(3-bromophenyl)propan-1-one hydrochloride ;	1049718-43-5	C13H19BrClNO	320.65
Bupropion USP RC- C	USP Bupropion Related Compound C; Bupropion USP Related Compound C	152943-33-4	C?H?ClO?	184.62
Bupropion 2-Amino Impurity	2-amino-1-(3-chlorophenyl)propan-1-one.	119802-69-6	C9H10ClNO	183.63
Bupropion USP RC- D	2-[(1,1-Dimethylethyl)amino]-1-phenyl-1-propanone Hydrochloride; 2-(tert-Butylamino)propiofenone Hydrochloride; Bupropion USP Related Compound D	63199-74-6	C13H20ClNO	241.76
Bupropion Impurity 1	2-Bromo-1-(3-chlorophenyl)-1-propanone; ?-Bromo-3-chloropropiophenone;	34911-51-8	C9H8BrClO	247.52
BUCLIZINE				
Buclizine Impurity A	1,4-Bis[(4-chlorophenyl)phenylmethyl]piperazine dihydrochloride	346451-15-8	C30H30Cl4N2	560.38
BUDESONIDE				
Budesonide Impurity A	11?,16?,17,21-Tetrahydroxypregna-1,4-diene-3,20-dione	13951-70-7	C21H28O6	376.44
Budesonide Impurity B	16?,17-[(1RS)-Ethylidenebis(oxy)]-11?,21- dihydroxypregna-1,4-diene-3,20-dione ;	1040085-98-0	C23H30O6	402.48
Budesonide EP Impurity C	16?,17-[(1RS)-Butylidenebis(oxy)]-11?-hydroxy-17- (hydroxymethyl)-D-homoandrosta-1,4-diene-3,17a-dione	1040085-99-1	C25H34O6	430.43
Budesonide Impurity D	16?,17-[(1RS)-Butylidenebis(oxy)]-11?-hydroxy-3,20- dioxopregna-1,4-dien-21-aldehyde ;	85234-63-5	C25H32O6	428.52
Budesonide Impurity E	16?,17-[(1RS)-Butylidenebis(oxy)]-11?,21- dihydroxypregna-1,4,14-triene-3,20-dione ;	131918-64-4	C25H32O6	428.52
Budesonide Impurity F	16?,17-[1-Methylethylidenebis(oxy)]-11?,21- dihydroxypregna-1,4-diene-3,20-dione ;	638-94-8	C24H32O6	416.51
Budesonide Impurity G	NA	137174-25-5	C25H36O6	432.55
Budesonide Impurity I	11?,17,21-Trihydroxy-3,20-dioxopregna-1,4-dien-16?-yl butanoate ;	113930-13-5	C25H34O7	446.53
Budesonide EP Impurity K	16?,17-[(1RS)-Butylidenebis(oxy)]-11?,21- dihydroxypregna-1,4-diene-3,20-dione-21-acetate ;	51333-05-2	C27H36O7	472.57
Budesonide Impurity L	16?,17-[(1RS)-Butylidenebis(oxy)]-21-hydroxypregna-1,4- diene-3,11,20-trione ;	216453-74-6	C25H32O6	428.52

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
BUSPIRONE				
Buspirone EP Impurity A	1-(2-Pyrimidinyl)piperazine; 2-Piperazinopyrimidine; 4-(2-Pyrimidinyl)piperazine; CM 56324H; MJ 13653; N-2-Pyrimidinylpiperazine; PmP; 1-PP; Buspirone EP Impurity A	20980-22-7	C8H12N4	164.21
Buspirone EP Impurity C	2,2?-[Butane-1,4-diylbis(piperazine-1,4-diyl)]dipyrimidine ;	257877-45-5	C20H30N8	382.51
Buspirone EP Impurity E	[1-[2-Oxo-2-[[4-[4-(pyrimidin-2-yl)piperazin-1-yl]butyl]amino]ethyl]cyclopentyl]acetic acid ;	257877-46-6	C21H33N5O3	403.52
Buspirone EP Impurity K	8-Azaspiro[4.5]decane-7,9-dione; 1,1- Cyclopentanediacetimide; 3-Spirocyclopentaneglutaramide; NSC 400092; Buspirone EP Impurity K	1075-89-4	C9H13NO2	167.21
Buspirone EP Impurity L	N-(4-Chlorobutyl)-1,1-cyclopentanediacetimide; Buspirone EP Impurity L	21098-11-3	C13H20ClNO2	257.76
Buspirone Impurity N	8,8-(1,4-Butanediy)bis-8-azaspiro[4.5]decane-7,9-dione	257877-44-4	C22H32N2O4	388.5
CARFILZOMIB				
Carfilzomib N- Oxide Impurity	4-(((1S)-1-(((1S)-3-methyl-1-(((1S)-1-(((2R)-4-methyl-1-((2R)-2-methyloxiran-2-yl)-1-oxopentan-2-yl]carbamoyl)-2-phenylethyl]carbamoyl)butyl]carbamoyl)-3-phenylpropyl]carbamoyl)methyl)morpholin-4-ium-4-olate.	NA	C40H57N5O8	735.93
CAFFEINE				
Caffeine Impurity B	NA	7597-60-6	C7H10N4O3	198.18
Caffeine Impurity C	NA	519-32-4	C8H10N4O2	194.19
Caffeine Impurity E	NA	107605-95-8	C7H12N4O. HCl	168.20
Caffeine Impurity F	NA	611-59-6	C7H8N4O2	180.17
CARBIDOPA				
Carbidopa Methyl Ester	Hydrazinyl-3,4-dihydroxy-?-methylbenzenepropanoic Acid Methyl Ester; ?-Hydrazino-3,4-dihydroxy-?- methylhydrocinnamic Acid Methyl Ester;	91431-01-5	C11H16N2O4	240.26
Carbidopa Ethyl Ester	Hydrazinyl-3,4-dihydroxy-?-methylbenzenepropanoic Acid Ethyl Ester Hydrochloride; ?-Hydrazino-3,4-dihydroxy-?- methylhydrocinnamic Acid Ethyl Ester Hydrochloride	96115-88-7	C12H19ClN2O4	290.74
CAPECITABINE				
Capecitabine EP Impurity A	Capecitabine USP RC A ;5'-Deoxy-5-fluorocytidine ;	66335-38-4	C9H12FN3O4	245.21

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Capecitabine RC B	Capecitabine EP Impurity B ;5'dFUrd, 5-Fluoro-5?- deoxyuridine, Doxifluridine.	3094-09-5	C9H11FN2O5	246.19
Capecitabine EP Impurity C	2?,3?-Di-O-acetyl-5?-deoxy-5-fluorocytidine ;	161599-46-8	C13H16FN3O6	329.28
Capecitabine RC C	2',3'-O-carbonyl-5'-deoxy-5-fluoro-N4- (pentyloxycarbonyl)cytidine.	921769-65-5	C16H20FN3O7	385.34
Capecitabine EP Impurity E	Capecitabine 3-Methylbutyloxy Impurity (USP) ; 5?-Deoxy- 5-fluoro-N4-(3-methylbutyloxycarbonyl)cytidine ;	162204-30-0	C15H22FN3O6	359.35
CANDESARTAN				
Candesartan Cilexetil EP Impurity A	2-Ethoxy-1-[[2-[1-(triphenylmethyl)-1H-tetrazol-5-yl][1,1'-biphenyl]-4-yl]methyl]-1H-benzimidazole-7-carboxylic Acid ethyl ester.	139481-58-6	C26H24N6O3	468.51
Candesartan Cilexetil EP Impurity B	Candesartan Cilexetil O-Desethyl Analog ; (1RS)-1-[[[(Cyclohexyloxy)carbonyl]oxy]ethyl 2-oxo-3-[[2?-(1H- tetrazol-5-yl)biphenyl-4-yl]methyl]-2,3dihydro-1H- benzimidazole-4-carboxylate ; 1-	869631-11-8	C31H30N6O6	582.61
	7-carboxylate.			
Candesartan Cilexetil EP Impurity C	Candesartan Cilexetil N1-Ethyl Amide ; Candesartan Cilexetil O-Desethyl N1-Ethyl Impurity ; 2-Desethoxy-2- Hydroxy-1H-N1-Ethyl Candesartan Cilexetil ; (1RS)-1- [[[(Cyclohexyloxy)carbonyl]oxy]ethyl 3-[[2?-(1-ethyl-1H- tetrazol-5-yl)biphenyl-4-yl]methyl]-2-oxo-2,3-	1185255-99-5	C33H34N6O6	610.66
Candesartan Cilexetil EP Impurity D	Candesartan Cilexetil N2-Ethyl Amide ; Candesartan Cilexetil O-Desethyl N2-Ethyl Analog ; 2-Desethoxy-2- Hydroxy-2H-N2-Ethyl Candesartan Cilexetil ; (1RS)-1- [[[(Cyclohexyloxy)carbonyl]oxy]ethyl 3-[[2?-(2-ethyl-2H- tetrazol-5-yl)biphenyl-4-yl]methyl]-2-oxo-2,3-	1185256-03-4	C33H34N6O6	610.66
Candesartan Cilexetil EP Impurity E	1H-N1-Ethyl Candesartan Cilexetil ; 2-Ethoxy-1-[[2'-[1- ethyl-1H-tetrazol-5-yl][1,1'-biphenyl]-4-yl]methyl]-1H- benzimidazole-7-carboxylic acid 1-[[[(cyclohexyloxy) carbonyl]oxy]ethyl ester.	914613-35-7	C35H38N6O6	638.71
Candesartan Cilexetil EP Impurity F	Candesartan Cilexetil N2-Ethyl Impurity ; 2H-N2-Ethyl Candesartan Cilexetil ; 2-Ethoxy-1-[[2'-[2-ethyl-1H-tetrazol- 5-yl][1,1'-biphenyl]-4-yl]methyl]-1H-benzimidazole-7- carboxylic acid 1-[[[(cyclohexyloxy) carbonyl]oxy]ethyl ester	914613-36-8	C35H38N6O6	638.71
Candesartan Cilexetil EP Impurity G	1 Candesartan (Acid) ; 2-Ethoxy-3-[[[4-[2-(1H-tetrazol-5-yl)phenyl]phenyl]methyl]-3H-benzoimidazole-4-carboxylic acid.	139481-59-7	C24H20N6O3	440.45
Candesartan Cilexetil EP Impurity H	Candesartan Cilexetil EP Impurity H ; Candesartan Cilexetil N1-Trityl Analog ; N1-Trityl Candesartan Cilexetil ; 2-Ethoxy-1-[[2'-[1-(triphenylmethyl)-1H-tetrazol-5-yl][1,1'-biphenyl]-4-yl]methyl]-1H-benzimidazole-7-carboxylic acid	170791-09-0	C52H48N6O6	852.97
	1-[[[(cyclohexyloxy) carbonyl]oxy]ethyl ester ;			
Trityl Candesartan	TRITYL CANDESARTAN;N-Trityl Candesartan;Triphenyl Candesartan;CANDESARTAN INTERMEDIATE A;Candesartan N1-Trityl Impurity;(1H)-Benzimidazole-7-carboxylicacid;TritylCandesartan,CandesartanCilexetil;TRI TYL	139481-72-4	C43H34N6O3	682.77
CARBAMAZEPINE				
Carbamazepine EP Impurity A	10,11-Dihydro-5H-dibenzo[b,f]azepine-5-carboxamide ; 10,11-Dihydro carbamazepine ;	3564-73-6	C15H14N2O	238.28

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Carbamazepine EP Impurity B	9-Methylacridine ;	611-64-3	C14H11N	193.24
Carbamazepine EP Impurity C	Carbamazepine USP Impurity C ; 5H-Dibenzo[b,f]azepin- 5-ylcarbonyl)urea ; N-Carbamoyl Carbamazepine ;	1219170-51-0	C16H13N3O2	279.29
Carbamazepine EP Impurity D	Carbamazepine EP Impurity D ; 5H-Dibenzo[b,f]azepine ; Iminostilbene ;	256-96-2	C14H11N	193.24
Carbamazepine EP Impurity E	10,11-Dihydro-5H-dibenzo[b,f]azepine ; Iminodibenzyl ;	494-19-9	C14H13N	195.26
Carbamazepine EP Impurity F	5H-Dibenzo[b,f]azepine-5-carbonyl chloride ;	33948-22-0	C15H10ClNO	255.70
Carbamazepine EP Impurity G	10-Bromo-5H-dibenzo[b,f]azepine-5-carboxamide ; 10-Bromocarbamazepine ;	59690-97-0	C15H11BrN2O	315.16
CANAGLIFLOZIN				
Canagliflozin Enantiomer Impurity	(2R,3S,4S,5R,6S)-2-(3-((5-(4-fluorophenyl)thiophen-2-yl)methyl)-4-methylphenyl)-6-(hydroxymethyl)tetrahydro-2H-pyran-3,4,5-triol.	NA	C24H25FO5S	444.51
CAPTOPRIL				
Captopril EP Impurity C	3-Mercaptoisobutyric Acid; 3-Mercapto-2-methyl-propionic Acid; ?-Mercapto-isobutyric Acid; Captopril EP Impurity C	26473-47-2	C4H8O2S	120.17
Captopril EP Impurity N	3,3'-Disulfanediybis[(2S)-2-methylpropanoic] acid ;	65134-74-9	C8H14O4S2	238.32
CARVEDILOL				
Carvedilol Impurity API	Carbazole analytical standard	86-74-8	C12H9N	167.21
Carvedilol EP Impurity A	1-(4-(2-Hydroxy-3-(2-(2-methoxyphenoxy)ethylamino)propoxy)-9H-carbazol-9-yl)- 3-(2-(2-methoxyphenoxy)ethylamino)propan-2-ol ;	1198090-73-1	C36H43N3O7	629.74
Carvedilol Impurity 1	4-[2-[[3-(9H-Carbazol-4-yloxy)-2- hydroxypropyl]amino]ethoxy]-3-methoxyphenol ;	142227-49-4	C24H26N2O5	422.47
Carvedilol EP Impurity D	Carvedilol USP RC D ; Carvedilol Epoxy Impurity ; 4-(2,3-Epoxypropoxy)carbazole ;	51997-51-4	C15H13NO2	239.27
Carvedilol Impurity USP	1,3-Bis(9H-carbazol-4-yloxy)-2-propanol (Carvedilol Impurity)	1276477-91-8	C27H22N2O3	422.48
Amino Propanol	1-Amino-3-(9H-carbazol-4-yloxy)-2-propanol	72955-96-5	C15H16N2O2	256.3

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Carvedilol Diol	3-(9H-Carbazol-4-yloxy)-1,2-propanediol	123119-89-1	C15H15NO3	257.28
Carvedilol Impurity 2	2-(9H-Carbazol-4-yloxy)ethanol	NA	C14H13NO2	227.26
Carvedilol Impurity 3	N-[2-(2-methoxyphenoxy)ethyl]acetamide	293738-17-7	C11H15NO3	209.24
Carvedilol Impurity 4	Dihydro-1,3-benzenediol; 1,3-Dioxocyclohexane; Dihydroresorcinol; Hydroresorcinol; NSC 57477	504-02-9	C6H8O2	112.13
Carvedilol Impurity 5	1,2,3,4-Tetrahydro-4-oxocarbazole; 1,2,3,4- Tetrahydrocarbazol-4-one; 1,2-Dihydro-4(3H)- carbazolone; 2,3-Dihydrocarbazol-4(1H)-one; 4-Oxo- 1,2,3,4-tetrahydrocarbazole;	15128-52-6	C12H11NO	185.22
Carvedilol Impurity API	Carbazole analytical standard	86-74-8	C12H9N	167.21
Carvedilol N- Isopropyl	1-(9H-Carbazol-4-yloxy)-3-[[2-(2-methoxyphenoxy)ethyl]-(1-methylethyl)amino]-2-propanol;	1246819-01-1	C??H??N?O?	448.55
Carvedilol Impurity 6	2-[2-(2-methoxy-phenoxy)-ethylamino]-ethanol	10587-65-2	C11H17NO3	211.25
Carvedilol Impurity 7	1-(9H-carbazol-4-yloxy)-3-chloropropan-2-ol	1187921-93-2	C15H14ClNO2	275.73
Carvedilol Impurity 8	1-(9H-Carbazol-4-yloxy)-3-[[2-(2-methoxyphenoxy)ethyl]methylamino]-2-propanol;	72956-35-5	C25H28N2O4	420.5
Carvedilol Impurity 9	1-[[2-(2-Methoxyphenoxy)ethyl]amino]-3-[(9-methyl-9H- carbazol-4-oxo)-2-prpoanol	933442-47-8	C25H28N2O2	420.5
CEFAZOLIN				
Cefazolin EP Impurity B	Cefazolin EP Impurity B ; (6R,7R)-7-[[2,2- Dimethylpropanoyl]amino]-3-[[[5-methyl-1,3,4-thiadiazol-2- yl)sulfanyl]methyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid sodium salt ;Cefazolin Pivaloyl;	NA	C16H19N4NaO4 S3	450.53
CEFUROXIME				
Cefuroxime Sodium EP Impurity C	(6R,7R)-7-[[[(Z)-(Furan-2-yl)(methoxyimino)acetyl]amino]- 3-methyl-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2- carboxylic acid ;	NA	C15H15N3O6S	365.36
Cefuroxime Sodium EP Impurity H	(5aR,6R)-6-[[[(Z)-(Furan-2-yl)(methoxyimino)acetyl]- amino]-5a,6-dihydro-3H,7H-azeto[2,1-b]furo[3,4- d][1,3]thiazine-1,7(4H)-dione ;	947723-87-7	C15H15N3O6S	363.35
CELECOXIB				
Celecoxib EP Impurity A	4-[5-(3-Methylphenyl)-3-trifluoromethyl-1H-pyrazol-1-yl]benzenesulfonamide ;	170570-01-1	C17H14F3N3O2 S	381.37

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Celecoxib EP Impurity B	4-[3-(4-Methylphenyl)-5-trifluoromethyl-1H-pyrazol-1-yl]benzenesulfonamide ;	331943-04-5	C17H14F3N3O2 S	381.37
4,4,4-Trifluorobutane	4,4,4-trifluoro-1-(p-tolyl)butane-1,3-dione; 4,4,4-trifluoro-1-(4-methylphenyl)butane-1,3-dione; L-(4-Methylphenyl)- 4,4,4-trifluorobutane-1,3-dione.	720-94-5	C11H9F3O2	230.55
CETIRIZINE				
Cetirizine Dihydrochloride IMP A	1-[(4-CHLOROPHENYL)PHENYLMETHYL]-PIPERAZINE DIHYDROCHLORIDE.	18719-22-7	C17H19ClN2.2ClH	359.73
Cetirizine EP Impurity A	(RS)-1-[(4-Chlorophenyl)phenylmethyl]piperazine ;	303-26-4	C17H19ClN2	286.8
Cetirizine EP Impurity B	Cetirizine EP impurity B; Levocetirizine EP Impurity B ; 2-[4-[azin-1-yrboxymethoxy] Cetirizine Acetic Acid.; Levocetirizine - Impurity B; Levocetirizine EP Impurity B.	113740-61-7	C19H21ClN2O2	344.84
Cetirizine EP Impurity C	(RS)-2-[2-[4-[(2-Chlorophenyl)phenylmethyl]piperazin-1-yl]ethoxy] acetic acid dihydrochloride.	83881-59-8	C21H27Cl3N2O3	461.81
Cetirizine EP Impurity D	1,4-bis[(4-Chlorophenyl)phenylmethyl]piperazine dihydrochloride.	346451-15-8	C30H30Cl4N2	560.38
Cetirizine EP Impurity E	(RS)-2-[2-[2-[4-[(4-Chlorophenyl)phenylmethyl]piperazin-1-yl]ethoxy] ethoxy] acetic acid	682323-77-9	C23H29ClN2O4	432.94
Cetirizine EP Impurity G	2-[4-[(RS)-(4-Chlorophenyl)phenylmethyl]piperazin-1-yl]ethanol dihydrochloride.	728948-88-7	C19H25Cl3N2O	403.77
Cetirizine 3-Chloro Impurity	(RS)-2-[2-[4-[(3-Chlorophenyl)phenylmethyl]piperazin-1-yl]ethoxy] acetic acid dihydrochloride.	1232460-29-5	C21H27Cl3N2O3	461.81
Cetirizine Methyl Ester (USP)	(RS)-2-[2-[4-[(4-Chlorophenyl)phenylmethyl]piperazin-1-yl]ethoxy]acetic acid methyl ester dihydrochloride.	83881-46-3	C22H29Cl3N2O3	475.84
Cetirizine N-Oxide	(RS)-2-[2-[4-[(4-Chlorophenyl)phenylmethyl]-1-oxido- piperazin-1-yl]ethoxy] acetic acid ;	1076199-80-8	C21H25ClN2O4	404.89
Cetirizine Ethyl Ester (USP RC A)	Cetirizine USP RC A; Cetirizine Ethyl Ester; Cetirizine Related CoMpoUND A; Cetirizine Ethyl Ester (USP RC A); Cetirizine ethyl ester dihydrochloride; Levocetirizine IMPurity: IMPurity A (USP); Acetic acid, 2-[2-[4-[(4-chlorophenyl)phenylMethyl]-1- piperazinyl]ethoxy]-, ethyl ester; (RS)-2-[2-[4-[(4-Chlorophenyl)phenylmethyl]piperazin-1-yl]ethoxy]acetic a	246870-46-2	C23H29ClN2O3	416.
Cetirizine S-Isomer	(S)-Cetirizine DiHydrochloride ; (S)-2-[2-[4-[(4-Chlorophenyl)phenylmethyl]piperazin-1-yl]ethoxy]acetic acid dihydrochloride ;	163837-48-7	C21H27Cl3N2O3	461.81
Cetirizine Polyethylene Glycol (PEG) Ester	NA	1509941-93-8	C21H25ClN2O3[C2H4O]n	432.94
Cetirizine Glycerol Ester	2,3-dihydroxypropyl 2-(2-[4-[(azin-1-yl)ethoxy]acetate.	1243652-36-9	C24H31ClN2O5	462.97

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Cetirizine Sorbitol Ester Impurity	(2R,3R,4R,5R)-2,3,4,5,6-pentahydroxyhexyl 2-(2-(4-(4-chlorophenyl)(phenyl)methyl)piperazin-1-yl)ethoxy)acetate hydrochloride;	13848888-64-5	C27H37ClN2O8	553.04
Cetirizine EP Impurity F	Cetirizine EP Impurity F ; Deschloro Cetirizine Dihydrochloride (USP) ; [2-[4-(Diphenylmethyl)piperazin-1-yl]ethoxy]acetic acid dihydrochloride ;	83881-54-3	C21H28Cl2N2O 3	427.36
CEFPODOXIME				
Cefpodoxime Proxetil EP Impurity A	Cefpodoxime ; Cefpodoxime Acid ; (6R,7R)-7-[[[(2Z)-2-(2-Aminothiazol-4-yl)-2(methoxyimino)acetyl]amino]-3-(methoxymethyl)-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid ;	80210-62-4	C15H17N5O6S2	427.46
Cefpodoxime Proxetil EP Impurity B	ADCA-Analogue of Cefpodoxime Proxetil ; 3-Methyl 3-De(methoxymethyl) Cefpodoxime ; (1RS)-1-[[[1-Methylethoxy)carbonyl]oxy]ethyl (6R,7R)-7-[[[(2Z)-2-(2-aminothiazol-4-yl)-2(methoxyimino)acetyl]amino]-3-methyl-8-oxo-5-thia-	947692-14-0	C20H25N5O8S2	527.57
Cefpodoxime Proxetil EP Impurity C	Delta-2-Cefpodoxime Proxetil ; (1RS)-1-[[[1-Methylethoxy)carbonyl]oxy]ethyl (6R,7R)-7-[[[(2Z)-2-(2-aminothiazol-4-yl)-2(methoxyimino)acetyl]amino]-3-(methoxymethyl)-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-3-ene-	339528-86-8	C21H27N5O9S2	557.6
Cefpodoxime Proxetil EP Impurity D	Anti-Cefpodoxime Proxetil ; (1RS)-1-[[[1-Methylethoxy)carbonyl]oxy]ethyl (6R,7R)-7-[[[(2E)-2-(2-aminothiazol-4-yl)-2(methoxyimino)acetyl]amino]-3-(methoxymethyl)-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylate ;	947692-13-9	C21H27N5O9S2	557.60
Cefpodoxime Proxetil EP Impurity E	ACA-Analogue of Cefpodoxime Proxetil ; (1RS)-1-[[[1-Methylethoxy)carbonyl]oxy]ethyl (6R,7R)-3-(acetoxymethyl)-7-[[[(2Z)-2-(2-aminothiazol-4-yl)-2-(methoxyimino)acetyl]amino]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylate ;	217803-89-9	C22H27N5O10S 2	585.61
Cefpodoxime Proxetil EP Impurity F	N-Formyl Cefpodoxime Proxetil ; (1RS)-1-[[[1-Methylethoxy)carbonyl]oxy]ethyl (6R,7R)-7-[[[(2Z)-2-[(2-formylamino)thiazol-4-yl)-2(methoxyimino)acetyl]amino]-3-(methoxymethyl)-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-	96680-30-7	C22H27N5O10S 2	585.61
	ene-2-carboxylate ;			
Cefpodoxime	R-3746;R 3746;Ru 51746;Cefpodoxime sodium salt;5- Thia-1-azabicyclo(4.2.0)oct-2-ene-2-carboxylic acid, 7-(((2-amino-4-thiazolyl)(methoxyimino)acetyl)amino)-3-(methoxymethyl)-8-oxo-, monosodium salt, (6R-(6alpha,7beta(Z)))-	82619-04-3	C15H16N5O6S2	449.442
CHLORMADINONE				
Chlormadinone	6-Chloro-17-hydroxypregna-4,6-diene-3,20-dione ;	1961-77-9	C21H27ClO3	362.89
Chlormadinone Acetate EP Impurity H	3-Methoxy-20-oxopregna-3,5-dien-17-yl acetate ;	1054-64-4	C24H34O4	386.52
CHLORPROMAZINE				
Chlorpromazine EP Impurity A	3-(2-Chloro-10H-phenothiazin-10-yl)-N,N-dimethylpropan-1-amine S-oxide ;	969-99-3	C17H19ClN2OS	334.86
CHLORTHALIDONE				

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Chlorthalidone Impurity A	2-(4-Chloro-3-sulfobenzoyl)benzoic acid ;	NA	C14H9ClO6S	340.74
Chlorthalidone Impurity B	2-[3-(Aminosulfonyl)-4-chlorobenzoyl]-benzoic acid ;	5270-74-6	C14H10ClNO5S	339.75
Chlorthalidone Impurity C	2-[3-(Aminosulfonyl)-4-chlorobenzoyl]-benzoic acid ethyl ester ;	92874-73-2	C16H14ClNO5S	367.8
Chlorthalidone Impurity D	2-Chloro-5[[1RS)-1-ethoxy-3-oxo-2,3-dihydro-1H-isoindol-1-yl]benzene sulfonamide ;	1369588-00-0	C16H15ClN2O4 S	366.82
Chlorthalidone Impurity G	(3RS)-3-(3,4-Dichlorophenyl)-3-hydroxy-2,3-dihydro-1H-isoindol-1-one ;	16289-13-7	C14H9Cl2NO2	294.13
Chlorthalidone Impurity H	2-Chloro-5[[1RS)-1-(1-methylethoxy)-3-oxo-2,3-dihydro-1H-isoindol-1-yl] benzenesulfonamide ;	NA	C17H17ClN2O4 S	380.85
CINACALCET				
Cinacalcet Impurity 1	3-(3-Trifluoromethylphenyl)-2-propenoic Acid; 3-(3-Trifluoromethylphenyl)acrylic Acid; m- (Trifluoromethyl)cinnamic Acid	779-89-5	C??H?F?O?	216.16
Cinacalcet Diastereo	(2S)-2-(3-(Trifluoromethyl)phenyl)-N-((R)-1-(naphthalen-1-yl)ethyl)propan-1-amine hydrochloride	2059891-97-1	C22H23ClF3N	393.87
Cinacalcet Diastereo Isomer 2	(2R)-2-(3-(Trifluoromethyl)phenyl)-N-((R)-1-(naphthalen-1-yl)ethyl)propan-1-amine hydrochloride	2059891-96-0	C22H23ClF3N	393.87
CIPROFLOXACIN				
Ciprofloxacin EP Impurity A	Ciprofloxacin EP Impurity A ; Enrofloxacin EP Impurity A ; 7-Chloro-1-cyclopropyl-6-fluoro-4-oxo-1,4- dihydroquinoline-3-carboxylic acid ;	86393-33-1	C13H9ClFN3O3	281.67
Ciprofloxacin	1-Cyclopropyl-6-fluoro-4-oxo-7-(piperazin-1-yl)-1,4-dihydroquinoline-3-carboxylic acid ;	85721-33-1	C17H18FN3O3	331.34
Ciprofloxacin EP Impurity C	Ciprofloxacin EP Impurity C ; Enrofloxacin EP Impurity G ; 7-[(2-Aminoethyl)amino]-1-cyclopropyl-6-fluoro-4-oxo-1,4-dihydroquinoline-3-carboxylic acid hydrochloride ; Desethylene Ciprofloxacin.	103222-12-4	C15H16FN3O3	305.3
Ciprofloxacin EP Impurity D	7-Chloro-1-cyclopropyl-4-oxo-6-(piperazin-1-yl)-1,4-dihydroquinoline-3-carboxylic acid hydrochloride ;Ciprofloxacin USP Related Compound A ;	133210-96-5	C17H18ClN3O3	347.80
Ciprofloxacin Chloroanalog	3-Quinolinecarboxylic acid,6-chloro-1-cyclopropyl-1,4- dihydro-4-oxo-7-(1-piperazinyl).	93106-58-2	C17H18ClN3O3	347.80
Ciprofloxacin EP Impurity B	Desfluoro Ciprofloxacin HCl ;1-Cyclopropyl-4-oxo-7- (piperazin-1-yl)-1,4-dihydroquinoline-3-carboxylic acid hydrochloride.	93107-11-0	C17H20ClN3O3	349.81
Ciprofloxacin EP Impurity E	1-Cyclopropyl-6-fluoro-7-(piperazin-1-yl)quinolin-4(1H)-one ;	105394-83-0	C16H18FN3O	287.33

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Ciprofloxacin EP Impurity F	Ciprofloxacin 6-Hydroxy Analog ; 1-Cyclopropyl-6-hydroxy- 4-oxo-7-(piperazin-1-yl)-1,4-dihydroquinoline-3-carboxylic acid hydrochloride ;	226903-07-7	C17H19N3O4	329.35
Ciprofloxacin Impurity 1	6-((2-aminoethyl)amino)-1-cyclopropyl-7-fluoro-4-oxo-1,4-dihydroquinoline-3-carboxylic acid hydrochloride	528851-30-1	C15H17ClFN3O3	341.77
Ciprofloxacin HCl	1-cyclopropyl-6-fluoro-4-oxo-7-piperazin-1-ylquinoline-3-carboxylic acid hydrochloride.	93107-08-5	C17H18FN3O3	367.80
CLOBETASOL				
Clobetasol Impurity A	9-Fluoro-11 β ,21-dihydroxy-16 β -methyl-3,20-dioxopregna- 1,4-dien-17-yl propanoate ;	5534-13-4	C25H33FO6	448.52
Clobetasol Impurity C	21-Chloro-9 β -hydroxy-16 β -methyl-3,20-dioxopregna-1,4-dien-17-yl propanoate ;	25122-52-5	C25H32ClFO5	466.97
CLOBAZAM				
Clobazam Impurity B	1-methyl-5-phenyl-1,5-dihydro-3H-1,5-benzodiazepine-2,4-dione	22316-24-1	C16H14N2O2	266.3
Clobazam Impurity C	(3RS)-7-chloro-1,3-dimethyl-5-phenyl-1,5-dihydro-3H-1,5-benzodiazepine-2,4-dione	22316-16-1	C17H15ClN2O2	314.77
Clobazam Impurity D	7-chloro-1,3,3-trimethyl-5-phenyl-1,5-dihydro-3H-1,5-benzodiazepine-2,4-dione	NA	C18H17ClN2O2	328.8
Clobazam Impurity E	N[4chloro2(phenylamino)phenyl]Nmethylacetamide	75524-13-9	C15H15ClN2O	274.75
Clobazam Impurity F	methyl-3[[4-chloro-2(phenylamino)phenyl]methylamino]3-oxopropanoate	NA	C17H17ClN2O3	332.8
CLONAZEPAM				
Clonazepam Impurity B	3-Amino-4-(2-chlorophenyl)-6-nitroquinolin-2(1H)-one; USP Clonazepam Related Impurity A; Clonazepam EP Impurity B	55198-89-5	C15H10ClN3O3	315.7112
CLINDAMYCIN				
Clindamycin HCl EP Impurity A	Clindamycin Phosphate EP Impurity A ; Lincomycin (USP) ; Methyl 6,8-dideoxy-6-[[[(2S,4R)-1-methyl-4-propylpyrrolidin-2-yl]carbonyl] amino]-1-thio-D-erythro- β -D-galacto-octopyranoside ;	154-21-2	C18H34N2O6S	406.54
Clindamycin Sulfoxide	7-Chloro-1,6,7,8-tetradecyloxy-6-[[[(2S,4R)-1-methyl-4-propyl-2-pyrrolidinyl] carbonyl]amino]-1-(methylsulfinyl)-L-threo- β -D-galactooctopyranose ;	22431-46-5	C18H33ClN2O6S	440.98
Clindamycin Impurity (Sulfone)	NA	887402-22-4	C18H33ClN2O7S	456.99
CLARITHROMYCIN				

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Clarithromycin	6-O-Methylerythromycin A ; (3R,4S,5S,6R,7R,9R,11R,12R,13S,14R)-4-[[2,6-Dideoxy-3-C-methyl-3-O-methyl-?-L-ribo-hexopyranosyl]oxy]-14-ethyl-12,13-dihydroxy-7-methoxy-3,5,7,9,11,13-hexamethyl-6-[[3,4,6-trideoxy-3-	81103-11-9	C38H69NO13	747.95
Clarithromycin EP Impurity C	6-O-Methylerythromycin A (E)-9-oxime ;	103450-87-9	C38H70N2O13	762.97
Clarithromycin EP Impurity D	3?-N-Demethyl-6-O-methylerythromycin A ;	101666-68-6	C37H67NO13	733.93
Clarithromycin EP Impurity E	6,11-Di-O-methylerythromycin A ;	81103-14-2	C39H71NO13	761.98
Clarithromycin EP Impurity H	3?-N-Demethyl-3?-N-formyl-6-O-methylerythromycin A ;	127140-69-6	C38H67NO14	761.94
Clarithromycin EP	3-O-Decladinosyl-6-O-methylerythromycin A ;	118058-74-5	C30H55NO10	589.7
Impurity I				6
Clarithromycin EP Impurity J	Erythromycin A (E)-9-oxime ;	13127-18-9	C37H68N2O13	748.94
Clarithromycin EP Impurity K	(1S,2R,5R,6S,7S,8R,9R,11Z)-2-Ethyl-6-hydroxy-9-methoxy-1,5,7,9,11,13-hexamethyl-8-[[3,4,6-trideoxy-3-(dimethylamino)-?-D-xyllo-hexopyranosyl]oxy]-3,15-dioxabicyclo[10.2.1]pentadeca-11,13-dien-4-one ;	127157-35-1	C30H51NO8	553.73
Clarithromycin EP Impurity L	(3R,4S,5S,6R,7R,9R,10Z,11S,12R,13S,14R)-6-[[{(2S,3R,4S,6R)-4-(dimethylamino)-3-hydroxy-6-methyloxan-2-yl]oxy]-14-ethyl-12,13-dihydroxy-4-[[{(2R,4R,5S,6S)-5-hydroxy-4-methoxy-4,6-dimethyloxan-2-yl]oxy]-10-(hydroxyimino)-7-methoxy-3,5,7,9,11,13-hexamethyl-1-ne.	127253-05-8	C38H70N2O13	762.99
Clarithromycin EP Impurity M	3-N-demethyl-6-O-methylerythromycin A (E)-9-Oxime	NA	C38H70N2O13	762.99
Clarithromycin EP Impurity N	(10E)-10,11-Didehydro-11-deoxy-6-O-methylerythromycin A ;	144604-03-5	C38H67NO12	729.94
Clarithromycin EP Impurity P	rivative; 4'-O-Methylclarithromycin.	123967-58-8	C39H71NO13	761.98
(14R)-14-Hydroxy Clarithromycin	14-OH Clarithromycin; (14-OH)Clarithromycin; AC1L9UMU; (3R,4S,5S,6R,7R,9R,11R,12R,13S,14R)-6-[[2S,3R,4S,6R)-4-(dimethylamino)-3-hydroxy-6-methyl-tetrahydropyran-2-yl]oxy-14-ethyl-12,13,14-trihydroxy-4-[[2R,4R,5S,6S)-5-hydroxy-4-methoxy-4,6-dimethyl-tetrahydropyran-2-yl]oxy-7-methoxy-3,5,7,9,11,13-hexamethyl-oxacyclotetradecane-2,10-dione; (3R,4S,5S	116836-41-0	C38H69NO14	763.95
CLOPIDOGREL				
Clopidogrel EP Impurity A	Clopidogrel USP Related Compound A ; (S)-Clopidogrel Acid Hydrochloride ; Clopidogrel Acid S-Isomer HCl ; (+)- (S)-(2-Chlorophenyl)[6,7-dihydrothieno [3,2-c]pyridine- 5(4H)-yl]acetic acid hydrochloride.	144750-42-5	C15H15Cl2NO2 S	344.26

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Clopidogrel USP RC B	Methyl (◆)-(o-chlorophenyl)[4,5-dihydrothieno[2,3- c]pyridine-6(7H)-yl]acetate hydrochloride ; Methyl (2RS)- (o-chlorophenyl)[4,5-dihydrothieno[2,3-c]pyridine-6(7H)- yl]acetate hydrochloride.	144750-52-7	C16H17Cl2NO2 S	358.28
Clopidogrel Thienylethyl Impurity	Clopidogrel Thienylethyl Impurity (HCl salt) ; (S)-2-Chloro- alpha-[[2-(2-thienyl)ethyl]amino]benzeneacetic acid methyl ester HCl ;	141109-20-8	C15H16ClNO2S	309.81
Clopidogrel Thienopyridine Impurity	4,5,6,7-Tetrahydrothieno[3,2-c] pyridine hydrochloride ;	28783-41-7	C7H10ClNS	175.68
Clopidogrel Bisulfate	Clopidogrel Hydrogen Sulfate ; Methyl (2S)-(2- chlorophenyl)[6,7-dihydro thieno [3,2-c]pyridin-5(4H)- yl]acetate sulfate ;	120202-66-6	C16H16ClNO2S	321.81
Clopidogrel Impurity 1	Ticlopidine Related CoMpoUND A;6,7- dihydrothieno[3.2.c]pyridin-4(5H)-one;Ticlopidine Related Compound A (20 mg) (4-oxo-4,5,6,7-tetrahydrothieno-[3,2- c]pyridine).	68559-60-4	C7H7NOS	153.20
S-Clopidogril Acid Impurity	Clopidogrel Acid Racemate HCl ; Clopidogrel Metabolite "SR26334" HCl ; rac-Clopidogrel Carboxylic Acid HCl ; (2RS)-(2-Chlorophenyl)[6,7-dihydrothieno [3,2-c]pyridin- 5(4H)-yl]acetic acid HCl ;	1015247-88-7	C15H15Cl2NO2 S	344.26
Chlorophenylglycine Methyl Ester	S-(+)-2-Chlorophenylglycine methyl ester of Methyl (+)- Tartrate CaMino(2-chlorophenyl) METHYL S-(+)-2- CHLORO PHENYLGLYCINATE;L(+)-2-Chlorophenylglycine Methyl HCL;Chemical intermediate for Clopidogrel;	141109-14-0	C9H10ClNO2	199.63
Clopidogrel Acid Racemate	rac-Clopidogrel Carboxylic Acid ; Clopidogrel Metabolite "SR26334" ; (2R)-(2-Chlorophenyl)[6,7-dihydro thieno [3,2- c]pyridin-5(4H)-yl]acetic acid ;	90055-55-3	C15H14ClNO2S	307.8
CLOTRIMAZOLE				
Clotrimazole	Clotrimazole Impurity API	23593-75-1	C22H17ClN2	344.85
Clotrimazole EP Impurity A	(2-Chlorophenyl)diphenylmethanol ;	66774-02-5	C19H15ClO	294.77
Clotrimazole EP Impurity E	(2-Chlorophenyl)phenylmethanone ;	5162-03-8	C13H9ClO	216.66
CLOMIPRAMINE				
Clomipramine Hydrochloride Impurity G	N-Allyl-3-chloro-10,11-dihydro-5H-dibenzo[b,f]azepine; 3- Chloro-10,11-dihydro-5-(2-propen-1-yl)-5H- dibenz[b,f]azepine;	1425793-87-8	C17H16ClN	269.78
Clomipramine EP Impurity F	3-Chloro-10,11-dihydro-5H-dibenzo[b,f]azepine ;	32943-25-2	C14H12ClN	229.7
CLOZAPINE				
Clozapine EP Impurity A	8-Chloro-5,10-dihydro-11H-dibenzo[b,e][1,4]-diazepin-11- one; ;drodebenzo[b,e][1,4]diazepin-11-one;8-Chloro-5,10- dihydro-11H-dibenzo[b,e][1,4]-diazepin-11-one; ,4]diazepin-11-one; drodebenzo[b,e][1,4]diazepin-11-one; 3-chloro-5,11-dihydrobenzo[b][1,4]benzodiazepin-6-one;8- Chloro-11-oxo-5H-dibenzo[b,e][1,4]diazepine;8-Chloro-5,10-dihydrodibenzo[b,f]	50892-62-1	C13H9ClN2O	244.67

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Clozapine EP Impurity B	11,11'-(Piperazine-1,4-diyl)-bispine; hloro-5H-benzo[b][1,4]benzodiazepin-6-yl)piperazin-1-yl]-5H-benzo[b][1,4]benzodiazepine;	263366-81-0	C30H24Cl2N6	538.14
Clozapine EP Impurity C	NA	6104-71-8	C17H17ClN4	312.8
Clozapine EP Impurity D	Clozapine EP IMPurity D;[2-[(2-Amino-4-chlorophenyl)amino]phenyl](4-Methyl-1-piperazinyl)Methanone.	65514-71-8	C18H21ClN4O	344.84
Clozapine N-Oxide	8-Chloro-11-(4-methyl-1-piperazinyl)-5H-dibenzo[b,e][1,4]diazepine N-Oxide, CNO.	34233-69-7	C18H19ClN4O	342.82
AMINOQUAT				
Dihexyl Aminoquat	6,6'-azanediybis(N,N,N-trimethylhexan-1-aminium) bromide hydrobromide	NA	C18H43N3 2Br HBr	301.5
Aminoquat	1-?Hexanaminium, 6-?amino-?N,?N,?N-?trimethyl-?, bromide, hydrobromide; (6- Aminoethyl)trimethylammonium bromide, hydrobromide (6Cl) 1-Hexanaminium, 6-amino-N,N,N-trimethyl-, bromide, hydrobromide (9Cl); Ammonium, (6-aminoethyl)trimethyl-, bromide, hydrobromide (8Cl)	33968-67-1	C9H23N2 Br HBr	159.3
Decyl Aminoquat	6-(decylamino)-N,N,N-trimethylhexan-1-aminium bromide hydrobromide	NA	C19H43N2 Br HBr	299.6
Bromquat Impurity	1-?Hexanaminium, 6-?bromo-?N,?N,?N-?trimethyl-?, bromide, compd. with 1-?bromodecane and (chloromethyl)oxirane polymer with 2-?propen-?1-?amine	475503-55-0	C9H21Br2N	303
	(9Cl); Polyamine; Polyamine formed; Polyvinyl			
Colchicine EP Impurity E	N-[(7S,12aRa)-3-Hydroxy-1,2,10-trimethoxy-9-oxo-5,6,7,9-tetrahydrobenzo[a]heptalen-7-yl]acetamide ;	7336-33-6	C21H23NO6	385.4
Cotinine	(S)-1-Methyl-5-(3-pyridyl)-2-pyrrolidinone, S(?)-1-Methyl-5-(3-pyridyl)-2-pyrrolidone.	486-56-6	C10H12N2O	176.22
Cyproheptadine RC A	1,2:5,6-Dibenzocycloheptatriene; 1,2:5,6-Dibenzotropilidene; 2,3:6,7-Dibenzo-4-suberene; 2,3:6,7-Dibenzocycloheptatriene; Dibenzo[a,d]cycloheptatriene; Dibenzo[a,e]cycloheptatriene; Suberene; USP Cyproheptadine Related Compound A;	256-81-5	C15H12	192.26
6-Cyanoindole	1H-Indole-6-carbonitrile;	15861-36-6	C9H6N2	142.1 6
CYCLOPHOSPHAMIDE				
Cyclophosphamide USP RC A	Bis(2-Chloroethyl)amine hydrochloride	821-48-7	C4H10Cl3N	178.49
Cyclophosphamide USP RC B	3-(2-Chloroethyl)-2-oxo-2-hydroxy-1,3,6,2- oxadiazaphosponane ;	158401-52-6	C7H16ClN2O3P	242.64

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Cyclophosphamide USP RC C	3-Aminopropyl dihydrogen phosphate ; 3-Aminopropyl- phosphoric acid ester ;	1071-28-9	C3H10NO4P	155.09
Cyclophosphamide USP RC D	3-[2-(2-chloroethylamino)ethylamino]propyl dihydrogen phosphate dihydrochloride ; 9-Chloro-4,7-diazanonyl dihydrogenphosphate dihydrochloride ;	158401-51-5	C7H20Cl3N2O4 P	333.58
Cyclophosphamide Impurity C	NA	NA	C7H15ClN2	162.66
Cyclophosphamide Impurity E	3-Amino-1-propanol; 3-Aminopropyl alcohol; 1-Propanol, 3-amino-; 3-Aminopropan-1-ol; 3-Amino-1-propanol,3- Aminopropyl alcohol;	156-87-6	C3H9NO	75.11
CYCLOBENZAPRINE				
Cyclobenzaprine USP RC A	3-(5-Hydroxy-5H-dibenzo[a,d]cyclohepten-5-yl)-N,N- dimethyl-propylamine ; 5-[3-(N,N-Dimethylamino)propyl]- 5H-dibenzo[a,d]cyclohepten-5-ol ; 5-[3-(N,N- Dimethylamino)propyl]-dibenzosuberene-5-ol ;	18029-54-4	C20H23NO	293.40
DABIGATRAN				
Dabigatran Impurity 1	N-[[2-[[[4-[[[(Hexyloxy)carbonyl]amino]carbonyl]phenyl]amino]methyl]-1-methyl-1H-benzimidazol-5-yl]carbonyl]-N-2-pyridinyl-?- alanine Ethyl Ester.	1408238-40-3	C34H40N6O6	628.72
Dabigatran Impurity 2	Des-(N-2-pyridyl-?-alanine Ethyl Ester) Dabigatran Etxilate 5-Ethyl Carboxylate (Dabigatran Impurity);2-[[[4-[[[(Hexyloxy)carbonyl]amino]iminomethyl]phenyl]amino]methyl]-1-methyl-1H-benzimidazole-5-carboxylic Acid Ethyl Ester	1408238-36-7	C26H33N5O4	479.57
Dabigatran Impurity 3	O-Desethyl Dabigatran Etxilate;3-(2-[[4-(N-(hexyloxy)carbonyl)carbamimidoyl]phenylamino)methyl]-1- methyl-N-(pyridin-2-yl)-1H-benzo[d]imidazole-5-carboxamido)propanoic acid;	212321-78-3	C32H37N7O5	599.68
Dabigatran Impurity 4	Dabigatran JPBA Impurity 4(Mesylate Salt) ; Dabigatran Ethyl Ester Mesylate Salt ; 3-{{2-[[4-Carbamimidoyl- phenylamino)-methyl]-1-methyl-1H-benzoimidazole-5- carbonyl]-pyridin-2-yl-amino)-propionic acid ethyl ester mesylate ; ethyl 3-(2-[[[4-	429658-95-7	C27H29N7O3	499.58
Dabigatran Methylamino Impurity	3-[(3-Amino-4-methyl amino-benzoyl)-pyridin-2-yl-amino] propanoic acid ethyl ester ;	212322-56-0	C18H22N4O3	342.39
Dabigatran Ethyl Ester Cyano Analog	3-{{2-[[4-Cyanophenylamino)-methyl]-1-methyl-1H- benzoimidazole-5-carbonyl]-pyridin-2-yl-amino)-propionic acid ethyl ester ;	211915-84-3	C27H26N6O3	482.53
DARIFENACIN				
Darifenacin Impurity A	2-((R)-1-(2-(2,3-dihydrobenzofuran-5-yl)ethyl)pyrrolidin-3- yl)-2,2-diphenylacetic acid	1048979-16-3	C28H29NO3	427.55
Darifenacin Oxidized Impurity	3-?Pyrrolidineacetamide?, 1-?[2-?(5-?benzofuranyl)?ethyl]?-??,??-?diphenyl-?, (3S)?-; 3-Pyrrolidineacetamide, 1-[2-(5-benzofuranyl)ethyl]-?,?- diphenyl-, (S)-(9Cl); (3S)-1-[2-(5-Benzofuranyl)ethyl]-?,?- diphenyl-3-pyrrolidineacetamide; (S)-2-[1-[2-(Benzofuran- 5-yl)ethyl]-3-pyrrolidinyl]-2,2-diphenylacetamide;	133033-99-5	C28H28N2O2	424.55
DACARBAZINE				
Dacarbazine Related Compound A	5-aminoimidazole-4-carboxamide hydrochloride.	72-40-2	C4H7ClN4O	162.58
DEXTROMETHORPHAN				

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Dextromethorphan Hydrobromide	(9S,13S,14S)-3-Methoxy-17-methylmorphinan hydrobromide.	125-69-9	C18H25NO	352.31
DEXTRORPHAN				
Dextrorphan	(+)-3-Hydroxy-17-methylmorphinan, 1,3,4,9,10,10a-Hexahydro-6-hydroxy-2H-10,4a-(iminoethano)-11-methylphenanthrene.	125-73-5	C17H23NO	257.37
DECITABINE				
Decitabine Triazinone	4-Amino-1,3,5-triazin-2(5H)-one ;	931-86-2	C3H4N4O	112.09
Desvenlafaxine N- Oxide	4-[2-(Dimethylamino)-1-(1-hydroxycyclohexyl)ethyl]phenol N-oxide ;	NA	C16H25NO3	279.37
DES LorATADINE				
Desloratadine EP Impurity A	4-[[[11RS)-8-chloro-11-fluoro-6,11-dihydro-5H-benzo [5,6]cyclohepta [1,2-b]pyridin-11-yl]piperidine ;	298220-99-2	C19H20ClFN2	330.83
Desloratadine EP Impurity B	8-Chloro-6,11-dihydro-11-(1,2,3,6-tetrahydro-4-pyridinyl)- 5H-benzo[5,6]cyclohepta[1,2-b]pyridine ;	183198-49-4	C19H19ClN2	310.82
Desloratadine USP RC F	8-Chloro-6,11-dihydro-11-(1-formyl-4-piperidin ylidene)- 5H-benzo[5,6]cyclohepta[1,2-b] pyridine ;	117810-61-4	C20H19ClN2O	338.83
Desloratadine N- Acetyl Impurity	Desloratadine N-Acetyl Impurity ; N-Acetyl Desloratadine ;	117796-52-8	C21H21ClN2O	352.13
Desloratadine Deschloro Impurity	Desloratadine Deschloro Impurity ; 4-(5,6-Dihydro-11H-benzo[5,6]cyclohepta[1,2-b]pyridin-11-ylidene)-piperidine HCl ;	38092-95-4	C19H20N2	276.4
N-Methyl Desloratadine	8-Bromo-6,11-dihydro-11-(1-methyl-4-piperidinylidene)-5H-benzo[5,6] cyclohepta [1,2-b]pyridine ;	130642-57-8	C20H21BrN2	369.3
Desloratadine N- Hydroxy	8-Chloro-6,11-dihydro-11-(1-hydroxy-4-piperidinylidene)- 5H-benzo[5,6]cyclohepta[1,2-b]pyridine;	1193725-73-3	C??H??ClN?O	326.82
DICLOFENAC				
Diclofenac EP Impurity A	Diclofenac EP Impurity A ; Diclofenac USP Related Compound A ; Aceclofenac EP Impurity I ; Diclofenac Amide ; 1-(2,6-Dichlorophenyl)-1,3-dihydro-2H-indol-2-one ;	15362-40-0	C14H9Cl2NO	278.13
Diclofenac EP Impurity B	Diclofenac USP RC B ; 2-[(2,6- Dichlorophenyl)amino]benzaldehyde ;	22121-58-0	C13H9Cl2NO	266.12
Diclofenac EP Impurity C	Diclofenac USP RC C ; [2-[(2,6-Dichlorophenyl)amino]phenyl]methanol ;	27204-57-5	C13H11Cl2NO	268.14
Diclofenac EP Impurity E	Diclofenac USP RC E ; 1,3-Dihydro-2H-indol-2-one ;	59-48-3	C8H7NO	133.15
Diclofenac Methyl Ester	2-[(2,6-Dichlorophenyl)amino]benzeneacetic Acid Methyl Ester; [o-(2,6-Dichloroanilino)phenyl]acetic Acid Methyl Ester; Methyl 2-(2,6-Dichloroanilino)phenylacetate;	15307-78-5	C15H13Cl2NO2	310.18

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Diclofenac Ethyl Ester	2-[(2,6-Dichlorophenyl)amino]benzeneacetic Acid Ethyl Ester; [o-(2,6-Dichloroanilino)phenyl]acetic Acid Ethyl Ester; Ethyl 2-(2,6-Dichloroanilino)phenylacetate;	15307-77-4	C16H15Cl2NO2	324.2
Diclofenac Potassium	Diclofenac Potassium ; Potassium [2-[(2,6-dichlorophenyl)amino]phenyl]acetate ;	15307-81-0	C14H10Cl2KNO 2	334.24
Diclofenac Sodium	Diclofenac Sodium ; Aceclofenac EP Impurity A ; Sodium 2-[(2,6-dichlorophenyl)amino]phenyl]acetate ;	15307-79-6	C14H10Cl2NNa O2	318.13
Diclofenac EP Impurity F	Diclofenac USP RC F ; N-(4-Chlorophenyl)-2-(2,6-dichlorophenyl)acetamide ;	560075-65-2	C14H10Cl3NO	314.59
Diclofenac Isopropyl Ester	Isopropyl [2-[(2,6 dichloro phenyl amino)phenyl]acetate; propan-2-yl 2-[(2,6- dichlorophenyl)amino]phenyl]acetate	66370-79-4	C17H17Cl2NO2	338.24
DILTIAZEM				
Diltiazem EP Impurity F	O-Desacetyl Diltiazem HCl; (2S,3S)-5-[2-(Dimethylamino)ethyl]-2-(4-methoxyphenyl)-4-oxo-2,3,4,5- tetrahydro-1,5-benzothiazepin-3-ol HCl ;	42399-40-6	C20H24N2O3S	372.48
DIAVERIDINE				
Diaveridine	2,4-Diamino-5-veratryl-pyrimidine; 2,4-Diamino-5-(3,4-dimethoxybenzyl)pyrimidine; 2,4-Diamino-5- veratrylpyrimidine; 5-[(3,4-Dimethoxyphenyl)methyl]-2,4-pyrimidinediamine; BW 49-210; Diaveridin;	5355-16-8	C13H16N4O2	260.29
DIMETHINDENE				
Dimethindene Impurity F	2-(3-butyl-1H-inden-2-yl)-N,N-dimethylethanamine	NA	C17H25N	243.39
Dimethindene Impurity G	Dimethyl[2-(3-phenyl-1H-inden-2-yl)ethyl]amine	NA	C19H21N	263.39
2-[2-(Dimethylamino)Et hyl]-1-Indanone	2-[2-(Dimethylamino)ethyl]-2,3-dihydro-1H-inden-1-one;2-(2-(dimethylamino)ethyl)-2,3-dihydro-1H-inden-1-one	3409-21-0	C13H17NO	203.28
N,N-Dimethyl-1H- Indene-2-Ethanamine Hydrochloride	N,N-Dimethylindene-2-ethylamine hydrochloride 2-(1H- Inden-2yl)-N,N-dimethylethanamine	92039-35-5	C13H18ClN	223.74
DIPHENHYDRAMINE				
Diphenhydramine Related Compound A	Nordiphenhydramine Hydrochloride;	53499-40-4	C16H19NOClH	277.79
DIPYRIDAMOLE				
Dipyridamole EP Impurity A	2,2'-[[4,6,8-Tri(piperidin-1-yl) pyrimido [5,4-d] pyrimidin-2-yl]nitrilo]diethanol ;	16982-40-4	C25H40N8O2	484.64
Dipyridamole EP Impurity B	Dipyridamole EP Impurity B ; Dipyridamole USP RC B ; 2,2',2'',2''',2''''-[8-(Piperidin-1-yl)pyrimido[5,4- d]pyrimidine-2,4,6-triyl]trinitrilo]hexaethanol ;	16908-47-7	C23H40N8O6	524.61

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Dipyridamole EP Impurity C	Dipyridamole USP RC C ; 2,2'-[[2-Chloro-4,8-di(piperidin-1-yl)pyrimido[5,4-d]pyrimidin-6-yl]nitrido]diethanol ;	54093-92-4	C20H30ClN7O2	435.95
Dipyridamole EP Impurity D	Dipyridamole USP RC D ; 2,2'-[[2-(2-Hydroxyethyl)amino-4,8-di(piperidin-1-yl)pyrimido[5,4-d]pyrimidin-6-yl]nitrido]diethanol ;	1176886-12-6	C24H40N8O4	504.63
Dipyridamole EP Impurity E	Dipyridamole EP Impurity E ; Dipyridamole USP RC E ; 2,4-Di[[di(2-hydroxyethyl)amino]-6,8-di(piperidin-1-yl)-pyrimido[5,4-d]pyrimidine ;	NA	C24H40N8O4	504.63
Dipyridamole EP Impurity F	Dipyridamole USP RC F ; 2,6-Di[[di(2-hydroxyethyl)amino]-4-(2-hydroxyethyl)amino-8-(piperidin-1-yl)-pyrimido[5,4-d]pyrimidine ;	60286-30-8	C21H36N8O5	480.56
Dipyridamole EP Impurity G	Dipyridamole EP Impurity G ; 2,6-Dichloro-4,8-di(piperidin-1-yl)-pyrimido[5,4-d]pyrimidine ;	7139-02-8	C16H20Cl2N6	367.28
DIOSMIN				
Diosmin EP Impurity A	1-(3-Hydroxy-4-methoxyphenyl)ethanone ;	6100-74-9	C9H10O3	166.17
Diosmin EP Impurity B	(2S)-7-[[[6-O-(6-Deoxy-?-L-mannopyranosyl)-?-D-glucopyranosyl]oxy]-5-hydroxy-2-(3-hydroxy-4-methoxyphenyl)-2,3-dihydro-4H-1-benzopyran-4-one ;	520-26-3	C28H34O15	610.56
Diosmin EP Impurity C	7-[[[6-O-(6-Deoxy-?-L-mannopyranosyl)-?-D-glucopyranosyl]oxy]-5-hydroxy-2-(4-hydroxyphenyl)-4H-1-benzopyran-4-one ;	552-57-8	C27H30O14	578.52
Diosmin EP Impurity D	7-[[[6-O-(6-Deoxy-?-L-mannopyranosyl)-?-D-glucopyranosyl]oxy]-5-hydroxy-2-(3-hydroxy-4-methoxyphenyl)-6-iodo-4H-1-benzopyran-4-one ;	1431536-92-3	C28H31IO15	734.44
Diosmin EP Impurity E	7-[[[6-O-(6-Deoxy-?-L-mannopyranosyl)-?-D-glucopyranosyl]oxy]-5-hydroxy-2-(4-methoxyphenyl)-4H-1-benzopyran-4-one ;	480-36-4	C28H32O14	592.55
Diosmin EP Impurity F	5,7-Dihydroxy-2-(3-hydroxy-4-methoxyphenyl)-4H-1-benzopyran-4-one ;	520-34-3	C16H12O6	300.26
DIAZEPAM				
Diazepam EP Impurity C	3-Amino-6-chloro-1-methyl-4-phenyl-2(1H)-quinolone; USP Diazepam Related Compound B	5220-02-0	C16H13ClN2O	287.47
DICYCLOMINE				
Dicyclomine Impurity A	[1,1'-Bicyclohexyl]-1-carboxylic Acid;	60263-54-9	C13H22O2	210.31
DORZOLAMIDE				
Dorzolamide EP Impurity A	Dorzolamide EP Impurity A ; Dorzolamide USP RC A ; ent-Dorzolamide HCl ; (4R,6R)-4-(Ethylamino)-6-methyl-5,6-dihydro-4H-thieno[2,3-b]thiopyran-2-sulfonamide 7,7-dioxide HCl ;	120279-95-0	C10H17ClN2O4 S3	360.90
Dorzolamide EP Impurity B	Dorzolamide EP Impurity B ; rac-cis Dorzolamide HCl ; (4RS,6SR)-4-(Ethylamino)-6-methyl-5,6-dihydro-4H-thieno[2,3-b]thiopyran-2-sulfonamide 7,7-dioxide HCl ;	120279-37-0	C10H17ClN2O4 S3	360.90

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Dorzolamide Related Compound D	(4S-trans)-4-Amino-5,6-dihydro-6-methyl-4H-thieno[2,3-b]thiopyran-2-sulfonamide 7,7-Dioxide; USP Dorzolamide Related Compound D; Dorzolamide EP Impurity D	164455-27-0	C8H12N2O4S3	332.8478
DOXYLAMINE				
Doxylamine Succinate	N,N-Dimethyl-2-[1-phenyl-1-(2-pyridinyl)ethoxy]ethanamine Succinate Salt; 2-[-(2-Dimethylaminoethoxy)-?-methylbenzyl]pyridine Succinate; Alsodorm; Decamium; Decapryn Succinate; Gittalun; Hoggar N;	562-10-7	C21H28N2O5	388.46
DOCETAXEL				
Docetaxel EP Impurity F	5?,20-Epoxy-1,7?-dihydroxy-9-oxotax-11-ene-2?,4,10?,13?-tetrayl 4,10-diacetate 2-benzoate 13- [(2R,3S)-3-(benzoylamino)-2-hydroxy-3-phenyl propanoate] ;	33069-62-4	C47H51NO14	853.91
DOMPERIDONE				
Domperidone EP Impurity A	5-Chloro-1-(piperidin-4-yl)-1,3-dihydro-2H-benzimidazol-2-one ;	53786-28-0	C12H14ClN3O	251.71
Domperidone EP Impurity B	4-(5-Chloro-2-oxo-2,3-dihydro-1H-benzimidazol-1-yl)-1-formylpiperidine ;	1346598-11-5	C13H14ClN3O2	279.72
Domperidone EP Impurity F	1,3-bis[3-[4-(5-Chloro-2-oxo-2,3-dihydro-1H-benzimidazol-1-yl)piperidin-1-yl]propyl]-1,3-dihydro-2H-benzimidazol-2-one ;	1391053-55-6	C37H42Cl2N8O3	717.69
DOXAZOSIN				
Doxazosin EP Impurity A	Doxazosin EP Impurity A ; Doxazosin USP Related Compound D ; 1,4-Benzodioxan-2-carboxylic acid ;	3663-80-7	C9H8O4	180.16
Doxazosin EP Impurity B	Doxazosin EP Impurity B ; Doxazosin USP Related Compound A ; N-(1,4-Benzodioxane-2-carbonyl)piperazine hydrochloride ;	70918-74-0	C13H16N2O3	248.28
Doxazosin EP Impurity C	Doxazosin EP Impurity C ; Doxazosin USP Related Compound F ; N,N'-bis(1,4-Benzodioxane-2-carbonyl)piperazine ;	617677-53-9	C22H22N2O6	410.42
Doxazosin EP Impurity D	Doxazosin EP Impurity D ; Doxazosin USP Related Compound B ; 6,7-Dimethoxy-2,4-quinazolinone ;	28888-44-0	C10H10N2O4	222.2
Doxazosin EP Impurity E	Doxazosin EP Impurity E ; Doxazosin USP Related Compound E ; 2,4-Dichloro-6,7-dimethoxyquinazoline ;	27631-29-4	C10H8Cl2N2O2	259.09
Doxazosin EP Impurity F	Doxazosin EP Impurity F ; Doxazosin USP Related Compound C ; 4-Amino-2-chloro-6,7-dimethoxyquinazoline ;	23680-84-4	C10H10ClN3O2	239.66
Doxazosin EP Impurity G	6,7-Dimethoxy-2-(piperazin-1-yl)quinazolin-4-amine ;	60547-97-9	C14H19N5O2	289.33
Doxazosin EP Impurity H	2,2'-(Piperazine-1,4-diyl)bis(6,7-dimethoxyquinazolin-4-amine)	102839-00-9	C24H28N8O4	492.53
DONEPEZIL				

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Donepezil USP RC A	Donepezil Dehydro Impurity ; (E)-Dehydro Donepezil ; (E)-2-[[1-Benzylpiperidin-4-yl)methylene]-5,6- dimethoxyindan-1-one ;	145546-80-1	C24H27NO3	377.48
Donepezil Impurity A	Donepezil Desbenzyl Impurity ; Desbenzyl Donepezil Hydrochloride (USP) ; 5,6-Dimethoxy-2-(piperidin-4- ylmethyl) indan-1-one hydrochloride ;	120013-39-0	C17H24ClNO3	325.83
Donepezil Impurity B	NA	NA	C24H30ClNO2	399.9 5
Donepezil Pyridine Analog (USP)	5,6-Dimethoxy-2-(pyridin-4-ylmethyl)indan-1-one ;	4803-57-0	C17H17NO3	283.32
Donepezil Dehydro Deoxy Impurity	1-Benzyl-4-[[5,6-dimethoxyinden-2-yl)methyl] piperidine ;	120013-45-8	C24H29NO2	363.49
Donepezil impurity 1	1-Benzyl-4-[[5,6-dimethoxy-1-oxoindan-2-ylidene)methyl]piperidine; 1-Benzyl-4-[[5,6-dimethoxy-1- oxoindan-2-ylidene)methyl]piperidine (Donepezil Impurity);	120014-07-5	C24H27NO3	377.48
Donepezil Pyridine N-Oxide	5,6-Dimethoxy-2-(1-oxido-pyridin-4-ylmethyl)indan-1-one ; 4-((5,6-dimethoxy-1-oxo-2,3-dihydro-1H-inden-2- yl)methyl)pyridine 1-oxide.	896134-07-9	C17H17NO4	299.32
Donepezil Hydroxy Impurity	Hydroxy Donepezil (USP) ; 2-[[1-Benzylpiperidin-4-yl](hydroxy)methyl]-5,6-dimethoxyindan-1-one ;Donepezil Hydroxy Keto Impurity.	197010-20-1	C24H29NO4	395.49
Donepezil Benzyl Bromide	1,1-Dibenzyl-4-[[5,6-dimethoxy-1-oxoindan-2-yl)methyl]piperidinium bromide ;	844694-85-5	C31H36BrNO3	550.53
Donepezil Deoxy Impurity	1-Benzyl-4-[[5,6-dimethoxyindan-2-yl)methyl] piperidine ;	844694-84-4	C24H31NO2	365.51
Donepezil Dihydro Impurity	2,3-Dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl)methyl]-1H-inden-1-ol ;	120012-04-6	C24H31NO3	381.51
DROTAVERINE				
Drotaverine N- Oxide	NA	NA	C24H31NO5	413.51
DULOXETINE				
Duloxetine EP Impurity B	(1S)-3-(Methylamino)-1-(thiophen-2-yl)propan-1-ol ;	116539-55-0	C8H13NOS	171.26
Duloxetine EP Impurity C	4-[(1RS)-3-(Methylamino)-1-(thiophen-2- yl)propyl]naphthalen-1-ol HCl ;	949096-01-9	C18H19NOS	297.41
Duloxetine EP Impurity D	Naphthalen-1-ol ;	90-15-3	C10H8O	144.1 7
Duloxetine EP Impurity E	2-[(1RS)-3-(Methylamino)-1-(thiophen-2- yl)propyl]naphthalen-1-ol ;	1033803-59-6	C18H19NOS	297.4 1

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Duloxetine EP Impurity F	Duloxetine USP RC F ; Duloxetine 3-Thiophene Isomer ; (3S)-N-Methyl-3-(naphthalen-1-yloxy)-3-(thiophen-3-yl)propan-1-amine oxalate ;	104890-90-5	C20H21NO5S	387.45
Duloxetine USP RC H	(S)-4-(Methyl[3-(naphthalen-1-yloxy)-3-(thiophen-2-yl)propyl]amino)-4-oxobutanoic acid ;	199191-66-7	C22H23NO4S	397.49
Duloxetine Hydroxy Impurity	(S)-(-)-N,N-Dimethyl-3-hydroxy-3-(2-thienyl) propanamine ;	132335-44-5	C9H15NOS	185.29
DUTASTERIDE				
Dutasteride EP Impurity A	Finasteride Carboxylic Acid ; Dutasteride Carboxylic Acid ; 3-Oxo-4-aza-5?-androst-1-ene-17?-carboxylic acid ;	104239-97-6	C19H27NO3	317.42
Dutasteride EP Impurity C	Ethyl 3-oxo-4-aza-5?-androst-1-ene-17?-carboxylate ;	157307-36-3	C21H31NO3	345.48
Dutasteride Dihydro Impurity	(5?,17?)-[2,5-Bis (trifluoromethyl)phenyl]-3-oxo-4- azaandrostane-17-carboxamide ;	164656-22-8	C27H32F6N2O 2	530.55
Dutasteride Beta Isomer	17?-N-[2,5-bis (Trifluoromethyl)phenyl] Carbamoyl-4-aza- 5? -androst-1-en-3-one	NA	C27H30F6N2O2	528.53
Dutasteride Ester Impurity	3-Oxo-4-aza-5?-?ndrost-1-ene-17?-carboxylic Acid Methyl Ester	NA	C20H29NO3	331.45
Dutasteride Impurity 1	4-Aza-5alpha-androstan-3-one-17beta-carboxylic acid.	103335-55-3	C19H29NO3	319.44
Dutasteride Impurity 2	(4aR,6aS,7R,9bS)-2,4a,4b,5,6,6a,7,8,9,9a,9b,10,11,11a-tetradecahydro-4a,6a-dimethyl-2-oxo-1H-indeno[5,4- f]quinoline-7-carboxamide	NA	C19H28N2O2	316.44
Dutasteride Impurity 3	1,4-Bis(trifluoromethyl)-2-iodobenzene;alpha,alpha,alpha,alpha',alpha',alpha'- Hexafluoro-2-iodo-p-xylene.	328-92-7	C8H3F6I	340
EBASTINE				
Ebastine Impurity A	NA	90-01-0	C13H12O	184.2
Ebastine Impurity B	1-[4-(1,1-Dimethylethyl)phenyl]ethanone;4-tert-Butylacetophenone.	943-27-1	C12H16O	176.25
Ebastine Impurity C	4-(diphenylmethoxy)piperidine	58258-01-8	C18H21NO	267.36
Ebastine Impurity D	1-[4-(1,1-Dimethylethyl)phenyl]-4-(4-hydroxypiperidin-1-yl)butan-1-one, 1-[3-(4-tert-Butylbenzoyl)propyl]-4-hydroxypiperidine.	97928-18-2	C19H29NO2	303.44
Ebastine Impurity E	Ebastine Related Compound E; (1-[4-(1,1- Dimethylpropyl)phenyl]-4-[4-(diphenylmethoxy)piperidin-1- yl]-butan-1-one fumarate).	NA	C37H45NO6	599.77

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Ebastine Impurity F	4-(benzhydryloxy)-1-(4-(4-(tert-butyl)phenyl)-4-oxobutyl)piperidine 1-oxide.	1256285-71-8	C32H39NO3	485.65
Ebastine Impurity G	1-[4-(1,1-dimethylethyl)phenyl]-4-[trans-4-(diphenylmethoxy)-1-oxidopiperidin-1-yl]butan-1-one;Ebastine EP Impurity G; USP Ebastine Related Compound G	1429071-65-7	C32H39NO3	485.67
EFAVIRENZ				
Efavirenz	NA	154598-52-4	C14H9ClF3NO2	315.7
Efavirenz Enantiomer	(R)-6-Chloro-4-(cyclopropylethynyl)-1,4-dihydro-4-(trifluoromethyl)-2H-3,1-benzoxazin-2-one	NA	C14H9ClF3NO2	315.7
Efavirenz Aminoalcohol	Efavirenz USP RC A ; Efavirenz Amino Alcohol (USP) ; (S)-2-(2-Amino-5-chlorophenyl)-4-cyclopropyl-1,1,1-trifluorobut-3-yn-2-ol ;	NA	C13H11ClF3NO	289.7
Efavirenz Ethene Analog	Efavirenz USP RC B Efavirenz Ethene Analog (USP) ; (E)- Dihydro Efavirenz ; (S,E)-6-Chloro-4-(2-cyclopropylvinyl)-4-(trifluoromethyl)-2H-3,1-benzoxazin-2-one ;	440124-96-9	C14H11ClF3NO 2	317.7
Efavirenz Pent-3- Ene-1-Yne (Trans)	(Trans)-6-Chloro-4-(cyclopropylethynyl)-1,4-dihydro-4-(trifluoromethyl)-2H-3,1-benzoxazin-2-one	NA	C14H9ClF3NO2	315.7
Efavirenz Penteneyne	NA	NA	C14H9ClF3NO2	315.7
Efavirenz Pentyne Analog	NA	205755-86-8	C14H11ClF3NO 2	317.7
Methylefavirenz	NA	1217623-65-8	C15H11ClF3NO 2	329.7
Aminoalcohol Methyl Carbamate	NA	211563-40-5	C15H13ClF3NO 3	347.7
N-Benzylefavirenz	NA	NA	C22H17ClF3NO 3	435.8
Quinoline Analog	Efavirenz USP RC C ; Efavirenz Quinoline Analog (USP) ; 6-Chloro-2-cyclopropyl-4-(trifluoromethyl)quinoline ;	391860-73-4	C13H9ClF3N	271.7
Aminoalcohol Ethyl Carbamate	NA	211563-41-6	C16H15ClF3NO 3	361.7
Aminoalcohol Bis(Ethoxycarbonyl)	NA	NA	C19H19ClF3NO 5	433.8
Rac Efavirenz	6-Chloro-4-(cyclopropylethynyl)-1,4-dihydro-4-(trifluoromethyl)-2H-3,1-benzoxazin-2-one;	177530-93-7	C14H9ClF3NO2	315.67

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Emtricitabine	Emtricitabine ; 4-Amino-5-fluoro-1-[(2R,5S)-2-(hydroxymethyl)-1,3-oxathiolan-5-yl]-2-(1H)-pyrimidone ;	143491-57-0	C8H10FN3O3S	247.25
EMTRICITABINE				
Emtricitabine IP Impurity A	Emtricitabine Carboxylic Acid ;(2R,5S)-5-(4-amino-5- fluoro-2-oxopyrimidin-1(2H)-yl)-1,3-oxathiolane-2- carboxylic acid	1238210-10-0	C8H8FN3O4S	261.23
Emtricitabine IP Impurity B	Emtricitabine 5-Epimer ; 4-Amino-5-fluoro-1-[(2R,5R)-2-(hydroxymethyl)-1,3-oxathiolan-5-yl]-2-(1H)-pyrimidone ;	145986-26-1	C8H10FN3O3S	247.25
Emtricitabine IP Impurity D	Emtricitabine Enantiomer ; 4-amino-5-fluoro-1-((2S,5S)-2-(hydroxymethyl)-1,3-oxathiolan-5-yl)pyrimidin-2(1H)-one	137530-41-7	C8H10FN3O3S	247.25
Emtricitabine IP Impurity E	5-Fluoro Cytosine ; 4-Amino-5-fluoropyrimidin-2(1H)-one ;	2022-85-7	C4H4FN3O	129.09
Emtricitabine IP Impurity F	5-Fluoro Uracil ; 5-Fluoropyrimidin-2,4(1H,3H)-dione ;	51-21-8	C4H3FN2O2	130.08
Emtricitabine IP Impurity G	Emtricitabine S-Oxide (S)-Isomer ;4-amino-5-fluoro-1- ((2R,5S)-2-(hydroxymethyl)-3-oxido-1,3-oxathiolan-5- yl)pyrimidin-2(1H)-one	152128-77-3	C8H10FN3O4S	263.25
Emtricitabine IP Impurity H	Emtricitabine S-Oxide (R)-Isomer ; 4-Amino-5-fluoro-1- [(2R,3R,5S)-2-(hydroxymethyl)-3-oxo-1,3-oxa-?4-thiolan-5- yl]pyrimidin-2(1H)-one ;	152128-77-3	C8H10FN3O4S	263.25
Emtricitabine IP Impurity J	4-Amino-5-fluoro-1-[(2S,4S)-2-(hydroxymethyl)-1,3- dioxolan-4-yl]pyrimidin-2(1H)-one ;	NA	C8H10FN3O4	231.18
Emtricitabine Methyl Ester Impurity	L-Menthyl 5-(2R,5S)-[4-amino-5-fluoro-2-oxopyrimidin- 1(2H)-yl]-1,3-oxathiolane-2-carboxylate.	NA	C18H26FN3O4 S	399.48
Emtricitabine Diastereomer	4-amino-5-fluoro-1-[(2R,5R)-2-(hydroxymethyl)-1,3- oxathiolan-5-yl]pyrimidin-2(1H)-one	NA	C8H10FN3O3S	247.25
Emtricitabine 2- Epimer	Emtricitabine 2-Epimer ; 4-Amino-5-fluoro-1-[(2S,5S)-2-(hydroxymethyl)-1,3-oxathiolan-5-yl]-2-(1H)-pyrimidone ;	145416-34-8	C8H10FN3O3S	247.25
Emtricitabine 5- Fluorouracil Analog (USP)	Emtricitabine 4-Hydroxy Analog ; Emtricitabine 2,4-Dione Impurity ; 5-Fluoro-1-[(2R,5S)-2-(hydroxymethyl)-1,3- oxathiolane-5-yl]uracil ; cis-5-Fluoro-1-[2-(hydroxymethyl)- 1,3-oxathiolan-5-yl]-2,4(1H,3H)-pyrimidinedione ;	145986-11-4	C8H9FN2O4S	248.23
Emtricitabine Sulfoxide	Emtricitabine Sulfoxide ; 4-Amino-5-fluoro-1-[(2R,5S)-2-(hydroxymethyl)-3-oxido-1,3-oxathiolan-5-yl]-2-(1H)- pyrimidone ;	152128-77-3	C8H10FN3O4S	263.35
ENROFLOXACIN				
Enrofloxacin EP Impurity E	6-Chloro-1-cyclopropyl-7-(4-ethylpiperazin-1-yl)-4-oxo- 1,4-dihydroquinoline-3-carboxylic acid ;	NA	C19H22CIN3O3	375.85
ENTACAPONE				

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Entacapone EP Impurity A	(2Z)-2-Cyano-3-(3,4-dihydroxy-5-nitrophenyl)-N,N-diethyl-2-propenamide ;	145195-63-7	C14H15N3O5	305.29
ENZALUTAMIDE				
Enzalutamide EP Impurity A	4-Bromo-2-fluorobenzoic Acid ;	112704-79-7	C7H4BrFO2	219.01
Enzalutamide EP Impurity B	4-Bromo-2-fluoro-N-methylbenzamide ;	749927-69-3	C8H7BrFNO	232.05
Enzalutamide EP Impurity C	4-Bromo-2-fluorobenzoic Acid Methyl Ester ;	179232-29-2	C8H6BrFO2	233.03
ENALAPRIL				
Enalapril Impurity A	(2S)-1-[(2S)-2-[[[(1R)-1-(Ethoxycarbonyl)-3-phenylpropyl] amino] propanoyl] pyrrolidine-2-carboxylic acid HCl salt ;	1356932-13-2	C20H29ClN2O5	412.91
Enalapril EP Impurity B	Enalapril EP Impurity B ; Trandolapril ECPA Impurity ; Ramipril EP Impurity F ; (2S)-2-[[[(1S)-1-(Ethoxycarbonyl)-3-phenylpropyl]amino] propanoic acid ;	82717-96-2	C15H21NO4	279.33
Enalapril EP Impurity C	Enalapril EP Impurity C ; Enalaprilate ; Enalapril Diacid ; Enalaprilat Dihydrate ; (2S)-1-[(2S)-2-[[[(1S)-1-Carboxy-3-phenylpropyl]amino]propanoyl]pyrrolidine-2-carboxylic acid ;	84680-54-6	C18H24N2O5	348.39
Enalapril EP Impurity D	Ethyl (2S)-2-[(3S,8aS)-3-methyl-1,4-dioxooctahydropyrrolo [1,2-a]pyrazin-2-yl]-4-phenylbutanoate ;	115729-52-7	C20H26N2O4	358.43
Enalapril EP Impurity G	(2S)-2-[[[(1S)-3-Cyclohexyl-1-(ethoxycarbonyl)propyl]amino] propanoic acid ;	460720-14-3	C15H27NO4	285.38
Enalapril EP Impurity H	Enalapril EP Impurity H ; Enalapril HCl Hexahydro Analog ; Enalapril HCl Cyclohexyl Analog ; (2S)-1-[(2S)-2-[[[(1S)-3-Cyclohexyl-1-(ethoxycarbonyl)propyl] amino]propanoyl]pyrrolidine-2-carboxylic acid HCl ;	NA	C20H34N2O5	382.49
Enalapril Impurity I	1,3-Diaza-2,4-cyclopentadiene, Glyoxaline	288-32-4	C3H4N2	68.08
ERYTHROMYCIN				
Erythromycin	Erythromycin A ; (3R,4S,5S,6R,7R,9R,11R,12R,13S,14R)-4-[[2,6-Dideoxy-3-C-methyl-3-O-methyl-?-L-ribo- hexopyranosyl]oxy]-14-ethyl-7,12,13-trihydroxy- 3,5,7,9,11,13-hexamethyl-6-[[3,4,6-trideoxy-3- dimethylamino-?-D-xylo-hexopyranosyl]-	114-07-8	C37H67NO13	733.93
Erythromycin EP Impurity D	Anhydroerythromycin A ; (1S,2R,3R,4S,5R,8R,9S,10S,11R,12R,14R)-9-[[2,6-Dideoxy-3-C-methyl-3-O-methyl-?-L-ribo- hexopyranosyl]oxy]-5-ethyl-3-hydroxy-2,4,8,10,12,14- hexamethyl-11-[[3,4,6-trideoxy-3-	23893-13-2	C37H65NO12	715.91
Erythromycin EP Impurity E	Erythromycin A Enol Ether ; (2R,3R,4S,5R,8R,9S,10S,11R,12R)-9-[[2,6-Dideoxy-3-C-methyl-3-O-methyl-?-L-ribo-hexopyranosyl]oxy]-5-ethyl- 3,4-dihydroxy-2,4,8,10,12,14-hexamethyl-11-[[3,4,6- trideoxy-3-	33396-29-1	C37H65NO12	715.91
Erythromycin EP Impurity F	Pseudoerythromycin A Enol Ether ; (2R,3R,6R,7S,8S,9R,10R)-7-[[2,6-Dideoxy-3-C-methyl-3-O-methyl-?-L-ribo-hexopyranosyl]oxy]-3-[[1R,2R)-1,2- dihydroxy-1-methylbutyl]-2,6,8,10,12-pentamethyl-9- [[3,4,6-trideoxy-3-	105882-69-7	C37H65NO12	715.91
ESZOPICLONE				

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Eszopiclone Impurity C	6-(5-Chloro-2-pyridinyl)-6,7-dihydro-5H-pyrrolo[3,4- b]pyrazin-5-one;Zopiclone EP Impurity C;	148891-53-6	C11H7ClN4O	246.66
Eszopiclone N- Oxide Impurity	(S)-(+)-Zopiclone N-Oxide;	151851-70-6	C17H17ClN6O4	404.81
Eszopiclone R- Isomer	(R)-6-(3-chloropyridin-2-yl)-6,7-dihydro-5-oxo-5H- pyrrolo[3,4- b]pyrazin-7-yl 4-methylpiperazine-1- carboxylate	NA	NA	NA
Eszopiclone 2,3- Pyrazine Dicarboxylic Acid	2,3-Pyrazine dicarboxylic acid	NA	NA	NA
ESCITALOPRAM				
EsCitalopram EP Impurity H	1-(3-Dimethylaminopropyl)-1-(4-fluorophenyl)-1,3- dihydroisobenzofuran-5-carbonitrile-N-oxide ;	63284-72-0	C20H21FN2O2	340.39
ESMOLOL				
Esmolol Acid	3-(4-(2-Hydroxy-3- (isopropylamino)propoxy)phenyl)propionic Acid; ASL 8123; 4-[2-Hydroxy-3-[(1-methylethyl)amino]propoxy]-benzenepropanoic Acid.	81148-15-4	C15H23NO4	281.35
N-Ethyl Esmolol	Methyl 3-(4-(3-(ethylamino)-2- hydroxypropoxy)phenyl)propanoate.	NA	C15H23NO4	281.35
ESTRADIOL				
Estradiol USP RC C	3,17?-Dihydroxyestra-1,3,5(10)-trien-6-one ;	571-92-6	C18H22O3	286.37
ETOMIDATE				
Etomidate EP Impurity B	Etomidate EP Impurity B;1-(1-Phenylethyl)-1H- imidazoleMethyl Ester;Metomidate;methyl 1-[(1RS)-1- phenylethyl]-1H-imidazole-5-carboxylate;	5377-20-8	C13H14N2O2	230.26
Etomidate EP Impurity C	1-methylethyl 1-[(1RS)-1-phenylethyl]-1H-imidazole-5-carboxylate;Isopropyl 1-(1-phenylethyl)-1H-imidazole-5-carboxylate.	792842-51-4	C15H18N2O2	258.32
ETODOLAC				
Etodolac EP Impurity A	8-Desethyl Etodolac ; 2-[(1RS)-1-Ethyl-1,3,4,9- tetrahydropyrano[3,4-b]indol-1-yl]acetic acid ;	41339-67-7	C15H17NO3	259.30
Etodolac EP Impurity B	8-Methyl Etodolac ; 2-[(1RS)-1-Ethyl-8-methyl-1,3,4,9-tetrahydropyrano[3,4-b]indol-1-yl]acetic acid ;	41340-19-6	C16H19NO3	273.33
Etodolac EP Impurity C	Etodolac USP RC A ; 1-Methyl Etodolac ; 2-[(1RS)-8- Ethyl-1-methyl-1,3,4,9-tetrahydropyrano[3,4-b]indol-1- yl]acetic acid ;	109518-50-5	C16H19NO3	273.33
Etodolac EP Impurity D	8-Isopropyl Etodolac ; 2-[(1RS)-1-Ethyl-8-(1-methylethyl)- 1,3,4,9-tetrahydropyrano[3,4-b]indol-1-yl]acetic acid ;	57917-63-2	C18H23NO3	301.38

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Etodolac EP Impurity E	8-Propyl Etodolac ; 2-[(1RS)-1-Ethyl-8-propyl-1,3,4,9-tetrahydropyrano[3,4-b]indol-1-yl]acetic acid ;	57817-27-3	C18H23NO3	301.38
Etodolac EP Impurity F	1-Isopropyl Etodolac ; 2-[(1RS)-8-Ethyl-1-(1-methylethyl)-1,3,4,9-tetrahydropyrano[3,4-b]indol-1-yl]acetic acid ;	849630-65-5	C18H23NO3	301.38
Etodolac EP Impurity G	1-Propyl Etodolac ; 2-[(1RS)-8-Ethyl-1-propyl-1,3,4,9-tetrahydropyrano[3,4-b]indol-1-yl]acetic acid ;	57816-83-8	C18H23NO3	301.38
Etodolac EP Impurity J	Decarboxy Etodolac ; (1RS)-1,8-Diethyl-1-methyl-1,3,4,9-tetrahydropyrano[3,4-b]indole ;	115066-03-0	C16H21NO	243.34
Etodolac EP Impurity K	Etodolac Methyl Ester ; Methyl 2-[(1RS)-1,8-diethyl-1,3,4,9-tetrahydropyrano[3,4-b]indol-1-yl]acetate ;	122188-02-7	C18H23NO3	301.38
Etodolac EP Impurity L	(EZ)-3-[7-Ethyl-3-(2-hydroxyethyl)-1H-indol-2-yl]pent-3-enoic acid ;	NA	C17H21NO3	287.35
ETORICOXIB				
Etoricoxib Impurity D	Ketosulfone Impurity;1-(6-methylpyridin-3-yl)-2-(4-(methylsulfonyl)phenyl)ethan-1-one	221615-75-4	C15H15NO3S	289.35
Etoricoxib N1	5-Chloro-6-methyl-3-[4-(methylsulfonyl)phenyl]-2,3-bipyridine 1-Oxide;	325855-74-1	C18H15ClN2O3 S	374.84
Etoricoxib Impurity F	2-(4-Methanesulfonyl-phenyl)-1-(6-methyl-pyridin-3-yl)-ethanone;1-(6-Methylpyridin-3-yl)-2-[4-(methylsulfonyl)phenyl]ethanone;	221615-75-4	C15H15NO3S	289.35
ETOPOSIDE				
Etoposide Impurity B	NA	100007-56-5	C29H32O13	588.57
Etoposide Impurity C	NA	100007-53-2	C29H32O13	588.57
Etoposide Impurity D	NA	23363-35-1	C27H30O13	562.53
EZETIMIBE				
Ezetimibe (RRS)- Isomer	(3R,4S)-1-(4-Fluorophenyl)-3-[(3R)-3-(4-fluorophenyl)-3-hydroxypropyl]-4-(4-hydroxyphenyl)azetidin-2-one ;	163380-16-3	C24H21F2NO3	409.43
Ezetimibe (SSS)- Isomer	(3S,4S)-1-(4-Fluorophenyl)-3-[(3S)-3-(4-fluorophenyl)-3-hydroxypropyl]-4-(4-hydroxyphenyl)azetidin-2-one ;		C24H21F2NO3	409.43
Ezetimibe Ketone (USP)	(3R,4S)-1-(4-Fluorophenyl)-3-[3-(4-fluorophenyl)-3-oxopropyl]-4-(4-hydroxyphenyl)-2-azetidinone ;	191330-56-0	C24H19F2NO3	407.41

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Ezetimibe Desfluoroaniline Analog (USP)	(3R,4S)-1-Phenyl-3-[(3S)-3-(4-fluorophenyl)-3-hydroxypropyl]-4-(4-hydroxyphenyl)-2-azetidinone ;	302781-98-2	C24H22FNO3	391.43
Ezetimibe (RRR)- Isomer	Ezetimibe (3'R, 3R, 4R)-Isomer ; (3R,4R)-1-(4- Fluorophenyl)-3-[(3R)-3-(4-fluorophenyl)-3-hydroxypropyl]- 4-(4-hydroxyphenyl)azetidin-2-one ;	1593542-96-1	C24H21F2NO3	409.43
Ezetimibe Anhydro (E)- Isomer	Ezetimibe (E)-Alkene ; (3R,4S)-1-(4-Fluorophenyl)-3-((E)- 3-(4-fluorophenyl)allyl)-4-(4-hydroxyphenyl)azetidin-2-one ;	204589-68-4	C24H19F2NO2	391.41
Ezetimibe Tetrahydropyran Impurity	(2R,3R,6S)-N,6-Bis(4-fluorophenyl)tetrahydro-2-(4- hydroxyphenyl)-2H-pyran-3-carboxamide	1296129-15-1	C24H21F2NO3	409.43
Ezetimibe Benzyl Impurity	(3R,4S)-1-(4-Fluorophenyl)-3-[(3S)-3-(4-fluorophenyl)-3-hydroxypropyl]-4-[4-(phenylmethoxy)phenyl]-2- azetidinone.	163222-32-0	C31H27F2NO3	499.55
Ezetimibe Meta-Fluoroaniline Analog (USP)	Ezetimibe m-Fluoroaniline Analog (USP) ; (3R,4S)-1-(3- Fluorophenyl)-3-[(3S)-3-(4-fluorophenyl)-3-hydroxypropyl]- 4-(4-hydroxyphenyl)azetidin-2-one ;	NA	C24H21F2NO3	409.43
Ezetimibe 3-Fluoro Impurity	Ezetimibe 3-Fluoro Impurity	1700622-06-5	C24H21F2NO3	409.44
EZOGABINE				
Ezogabine Impurity 1	Ethyl(2-amino-4-nitrophenyl)carbamate	1026685-07-3	C9H10N3O4	224.19
FAMOTIDINE				
Famotidine EP Impurity A	Famotidine USP RC A ; 3-[[[2- [(Diaminomethylene)amino]thiazol-4-yl)methyl]sulphonyl]propanimidamide dihydrochloride.	88061-72-7	C8H16Cl2N6S2	331.29
Famotidine EP Impurity B	3,5-bis[2-[[[2-[(Diaminomethylene)amino]thiazol-4-yl)methyl]sulphonyl]ethyl]-4H-1,2,4,6-thiazine 1,1- dioxide.	89268-62-2	C16H23N11O2S 5	561.75
Famotidine EP Impurity C	Famotidine EP Impurity C ; 3-[[[2- [(Diaminomethylene)amino]thiazol-4-yl)methyl]sulphonyl]-N-sulphamoylpropanamide	76824-17-4	C8H14N6O3S3	338.43
Famotidine EP Impurity D	Famotidine USP RC D ; 3-[[[2- [(Diaminomethylene)amino]thiazol-4-yl)methyl]sulphonyl]propanamide.	76824-16-3	C8H13N5OS2	259.35
Famotidine EP Impurity E	Famotidine EP Impurity E ; 2,2'-[Disulphanediylbis(methylenethiazole-4,2-diy)]diguandine.	129083-44-9	C10H14N8S4	374.53
Famotidine EP Impurity F	Famotidine EP Impurity F ; 3-[[[2- [(Diaminomethylene)amino]thiazol-4-yl)methyl]sulphonyl]propanoic acid.	107880-74-0	C8H12N4O2S2	260.34
Famotidine Impurity H	Famotidine Isothiourea Impurity ; 2-((2-(Diaminomethyleneamino)thiazol-4-yl)methyl)isothiourea dihydrochloride ;	88046-01-9	C6H12Cl2N6S2	303.24
Famotidine EP Impurity J	Methyl 3-[[[2-[(diaminomethylidene)amino]thiazol-4-yl)methyl]sulfonyl]propanoate ;	76824-14-1	C9H14N4O2S2	274.36

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Famotidine Sulfoxide	3-[[[2-[(Diaminomethylene)amino]thiazol-4-yl)methyl]sulfinyl]-N'-aminosulfonylpropanimidamide ;	90237-03-9	C8H15N7O3S3	353.44
FELODIPINE				
Felodipine EP Impurity A	Dehydro Felodipine ; Ethyl methyl 4-(2,3-dichlorophenyl)-2,6-dimethylpyridine-3,5-dicarboxylate ;	96382-71-7	C18H17Cl2NO4	382.24
Felodipine EP Impurity B	Felodipine Dimethyl Ester ; Dimethyl 4-(2,3-dichlorophenyl)-2,6-dimethyl-1,4-dihydropyridine-3,5-dicarboxylate ;	91189-59-2	C17H17Cl2NO4	370.23
Felodipine EP Impurity C	Felodipine Diethyl Ester ; Nemapipine B ; Diethyl 4-(2,3-dichlorophenyl)-2,6-dimethyl-1,4-dihydropyridine-3,5-dicarboxylate ;	79925-38-5	C19H21Cl2NO4	398.28
FEBUXOSTAT				
Febuxostat Impurity C	2-[3-Carboxy-4-(2-methylpropoxy)phenyl]-4-methyl-5-thiazolecarboxylic Acid;	1239233-87-4	C16H17NO5S	335.37
FENOFIBRATE				
Fenofibrate EP Impurity A	(4-Chlorophenyl)(4-hydroxyphenyl)methanone ;	42019-78-3	C13H9ClO2	232.66
Fenofibrate EP Impurity B	2-[4-(4-Chlorobenzoyl)phenoxy]-2-methylpropanoic acid ;	42017-89-0	C17H15ClO4	318.75
Fenofibrate EP Impurity C	(3RS)-3-[4-(4-Chlorobenzoyl)phenoxy]butan-2-one ;	217636-47-0	C17H15ClO3	302.75
Fenofibrate EP Impurity D	Fenofibrate Methyl Ester Analog ; Methyl 2-[4-(4-chlorobenzoyl)phenoxy]-2-methylpropanoate ;	42019-07-8	C18H17ClO4	332.78
Fenofibrate EP Impurity F	(4-Chlorophenyl)[4-(1-methylethoxy)phenyl]methanone ;	154356-96-4	C16H15ClO2	274.74
Fenofibrate EP Impurity E	Ethyl 2-[4-(4-chlorobenzoyl)phenoxy]-2-methylpropanoate ; Fenofibrate Ethyl Ester Analog ;	42019-08-9	C19H19ClO4	346.8
Fenofibrate EP Impurity G	1-Methylethyl 2-[[2-[4-(4-chlorobenzoyl)phenoxy]-2-methylpropanoyl]oxy]-2-methylpropanoate ;	217636-48-1	C24H27ClO6	446.92
FEXOFENADINE				
Fexofenadine HCl	2-[4-[(1RS)-1-Hydroxy-4-[4-(hydroxydiphenylmethyl)piperidin-1-yl]butyl]phenyl]-2-methylpropanoic acid hydrochloride ;	153439-40-8	C32H40ClNO4	538.12
Fexofenadine EP Impurity A	Fexofenadine USP RC A ; Fexofenadinone ; 2-[4-[4-(Hydroxydiphenylmethyl)piperidin-1-yl]butanoyl]phenyl]-2-methylpropanoic acid ;	76811-98-8	C32H37NO4	499.64
Fexofenadine EP Impurity B	Fexofenadine USP RC B ; Meta-Fexofenadine ; 2-[3- [(1RS)-1-Hydroxy-4-[4-(hydroxydiphenylmethyl)piperidin-1-yl]butyl]phenyl]-2-methylpropanoic acid	479035-75-1	C32H39NO4	501.66

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Fexofenadine EP Impurity C	Fexofenadine USP RC C ; Decarboxy Fexofenadine ; (1RS)-4-[4-(Hydroxydiphenylmethyl)piperidin-1-yl]-1-[4-(1-methylethyl)phenyl]butan-1-ol ;	185066-37-9	C31H39NO2	457.65
Fexofenadine EP Impurity D	Fexofenadine Methyl Ester ; Methyl 2-[4-[(1RS)-1-hydroxy-4-[4-(hydroxydiphenylmethyl)piperidin-1-yl]butyl]phenyl]-2-methylpropanoate ;	154825-96-4	C33H41NO4	515.68
Fexofenadine EP Impurity E	Diphenyl(piperidin-4-yl)methanol ;	115-46-8	C18H21NO	267.37
FINASTERIDE				
Finasteride EP Impurity A	Finasteride EP Impurity A ; Finasteride USP RC A ; Finasteride Dihydro Impurity ; 1,2-Dihydro Finasteride Impurity ; (5?,17?)-N-(1,1-Dimethylethyl)-3-oxo-4-aza- androstane-17-carboxamide ; 1,2-Dihydro Finasteride ;	98319-24-5	C23H38N2O2	374.56
Finasteride EP Impurity B	Finasteride USP RC D ; Finasteride Methyl Ester Analog ; Dutasteride Methyl Ester Analog ; 3-Oxo-4-aza-5?-?ndrost-1-ene-17?-carboxylic acid methyl ester ;	103335-41-7	C20H29NO3	331.45
Finasteride EP Impurity C	N-(1,1-Dimethylethyl)-3-oxo-4-azaandrost-1,5-diene-17-carboxamide ;	1329611-51-9	C23H34N2O2	370.53
Finasteride Dihydro Carboxylic Acid	(5?,17?)-3-Oxo-4-aza-androstane-17-carboxylic acid ;	103335-55-3	C19H29NO3	319.44
Finasteride	(5a,17b)-N-(1,1-Dimethylethyl)-3-oxo-4-aza-androst-1-ene-17-carboxamide ;	98319-26-7	C23H36N2O2	372.54
FINGOLIMOD				
Fingolimod N,N- Dimethyl Impurity	Fingolimod Dimethylamino Impurity ; 2-Dimethylamino-2-[2-(4-octylphenyl)ethyl]propane-1,3-diol HCl ;	1404433-87-9 (Base)	C21H38ClNO2	371.98
Fingolimod Nitro Impurity	2-Nitro-2-[2-(4-octylphenyl)ethyl]propane-1,3-diol ;	374077-88-0	C19H31NO4	337.45
Fingolimod Decyl Impurity	2-(4-Decylphenethyl)-2-aminopropane-1,3-diol ;	780729-32-0	C21H37NO2	335.52
Fingolimod Impurity 1	1-Hydroxy-3-nitrodeamino Fingolimod;-(Hydroxymethyl)-3- nitro-1-(4-octylphenyl)-1,4-butanediol;	899822-99-2	C19H31NO5	353.45
Fingolimod Hexyl Impurity	2-(4-Hexylphenethyl)-2-aminopropane-1,3-diol ;	1201794-93-5	C17H29NO2	279.42
Fingolimod Triacetylated	2-acetamido-2-(4-octylphenethyl)propane-1,3-diyl diacetate	162358-09-0	C25H39NO5	433.58
Fingolimod Vinylphenyl	1-(4-vinylphenyl)octan-1-one	24993-87-1	C16H22O	230.34
FLUMAZENIL				

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Flumazenil Impurity B	Defluoro 8-Hydroxy Flumazenil (Impurity);5,6-Dihydro-8- hydroxy-5-methyl-6-oxo-4H-imidazo[1,5- a][1,4]benzodiazepine-3-carboxylic Acid Ethyl Ester; USP Flumazenil Related Compound B;	131666-45-0	C15H15N3O4	301.3
FLUVOXAMINE				
Fluvoxamine EP Impurity D	(4-Methoxybutyl)(4-trifluoromethylphenyl)methanone;5- methoxy-1-(4-(trifluoromethyl)phenyl)pentan-1- one;Fluvoxketone;Fluvoxamine Ketone Impurity.	61718-80-7	C13H15F3O2	260.25
FLUTICASONE				
Fluticasone USP RC A	Fluticasone EP Impurity B ;Fluticasone Sulfenic Acid Propionate ; [[6?,9-difluoro-11?-hydroxy-16?-methyl-3-oxo- 17-(propanoyloxy) androsta-1,4-dien-17?- yl]carbonyl]sulphenic acid ;	948566-12-9	C24H30F2O6S	484.55
Fluticasone EP Impurity F	6?,9-Difluoro-17-[[[(fluoromethyl)sulphanyl]carbonyl]-16?- methyl-3,11-dioxoandrosta-1,4-dien-17?-yl] propanoate ;	1219174-94-3	C25H29F3O5S	498.55
Fluticasone EP Impurity H	17,17?-(Disulphanediyl)dicarbonyl]bis(6?,9-difluoro-11?- hydroxy-16?-methyl-3-oxoandrosta-1,4-dien-17?-yl) dipropanoate ;	201812-64-8	C48H58F4O10S 2	935.09
FLUCONAZOLE				
Fluconazole EP Impurity A	Fluconazole Triazole Isomer ; (2RS)-2-(2,4- Difluorophenyl)-1-(1H-1,2,4-triazol-1-yl)-3-(4H-1,2,4- triazol-4-yl)propan-2-ol ;	89429-59-4	C13H12F2N6O	306.27
Fluconazole EP Impurity B	Fluconazole USP RC A ; 2-[2-Fluoro-4-(1H-1,2,4-triazol-1- yl)phenyl]-1,3-bis(1H-1,2,4-triazol-1-yl)propan-2-ol ;	871550-15-1	C15H14FN9O	355.33
Fluconazole EP Impurity C	Fluconazole USP RC C ; 1,1?-(1,3-Phenylene)di-1H-1,2,4- triazole ;	514222-44-7	C10H8N6	212.21
Fluconazole EP Impurity D	Fluconazole USP RC B ; 2-Desfluoro Fluconazole ; 2-(4- Fluorophenyl)-1,3-bis(1H-1,2,4-triazol-1-yl)propan-2-ol ;	81886-51-3	C13H13FN6O	288.28
FLUTAMIDE				
Flutamide Impurity A	4-Nitro-3-(trifluoromethyl)aniline, 4-Nitro-?,?,?-trifluoro-m-toluidine, 5-Amino-2-nitrobenzotrifluoride.	393-11-3	O2NC6H3(CF3) NH2	206.12
O-Flutamide	2-methyl-N-[2-nitro-5-(trifluoromethyl)phenyl]- Propanamide;	151262-93-0	C11H11F3N2O3	276.21
FLUOXETINE				
Fluoxetine EP Impurity A	N-Methyl-3-hydroxy-3-phenylpropylamine; 3- (Methylamino)-1-phenyl-1-propanol; 3-Hydroxy-N-methyl- 3-phenylpropylamine; 3-Methylamino-1-phenylpropanol; N- (3-Hydroxy-3-phenylpropyl)methylamine; N-Methyl-3- hydroxy-3-	42142-52-9	C10H15NO	165.23
Fluoxetine RC- A	(3RS)-N-Methyl-3-phenyl-3-[3- (trifluoromethyl)phenoxy]propan-1-amine Hydrochloride.	79088-29-2	C17H18F3NOCl H	345.79
Fluoxetine - Impurity B	N-Methyl-3-phenylpropan-1-amine hydrochloride Fluoxetine hydrochloride impurity B Methyl-(3-phenylpropyl)amine (3-Phenylpropyl)methylamine	30684-07-2	C10H15NClH	185.69

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Fluoxetine USP RC B	N-Methylbenzenepropanamine; Methyl(3- phenylpropyl)amine; N-(3-Phenylpropyl)methylamine; N- Methyl-N-(3-phenylpropyl)amine.	23580-89-4	C10H15N	149.2
Fluoxetine Impurity C	N-Methyl-?-[3- (trifluoromethyl)phenoxy]benzenepropanamine Hydrochloride; N-Methyl-3-phenyl-3-[(?,?,?-trifluoro-m-tolyl)oxy]propylamine Hydrochloride; USP Fluoxetine Related Compound A	79088-29-2	C17H19ClF3NO	345.79
Fluoxetine Impurity D	Acetamide,N-(3-hydroxy-3-phenylpropyl)-N-methyl.	851878-50-7	C12H17NO2	207.26
FLECAINIDE				
Flecainide Impurity A	3-[2,5-bis(2,2,2-trifluoroethoxy)phenyl] -1,5,6,7,8,8a-hexahydroimidazo-[1,5a]pyridine Hydrochloride	NA	C??H??F?N?O?	396.33
Flecainide EP Impurity C	4-Hydroxy Flecainide;4-Hydroxy-N-(2-piperidinylmethyl)- 2,5-bis(2,2,2-trifluoroethoxy)benzamide; (◆)-4-Hydroxy-N- (2-piperidinylmethyl)-2,5-bis(2,2,2-trifluoroethoxy)benzamide;	152171-74-9	C17H20F6N2O4	430.34
Flecainide Impurity D	2,5-bis(2,2,2-trifluoroethoxy)benzoic acid	35480-52-5	C11H8F6O4	318.17
Flecainide Impurity E	N-(pyridin-2-ylmethyl)-2,5-bis(2,2,2- trifluoroethoxy)benzamide	57415-36-8	C17H14F6N2O3	408.30
FOSINOPRIL				
Fosinopril EP Impurity A	(4S)-4-Cyclohexyl-1-[2-[hydroxy(4- phenylbutyl)phosphinyl]acetyl]-L-proline disodium salt ;	95399-71-6	C23H32NNA2O 5P	479.46
Fosinopril Impurity G	4-Phenylbutyl phosphonic acid ;	46348-61-2	C10H15O3P	214.2
Fosinopril Impurity H	Fosinopril Impurity H Sodium Salt	149760-14-5	C16H24NO4	294.37
Folic Acid Impurity B	2,5,6-triaminopyrimidin-4(1H)-one	1004-75-7	C4H7N5O	141.13
1-(4-(Benzyloxy)-3-Nitrophenyl)-2-Bromoethanone	2-Bromo-1-[3-nitro-4-(phenylmethoxy)phenyl]Ethanone; 1-(Benzyloxy)-2-nitro-4-(2-bromoacetyl)benzene; 2-Bromo-1- (3-nitro-4-benzyloxyphenyl)ethanone;	43229-01-2	C15H12BrNO4	350.16
Formoterolfumarat e	3◆-Nitro-4◆-hydroxyacetophenone; 4-Acetyl-2- nitrophenol; 4-Hydroxy-3-nitroacetophenone; 1-(4- Hydroxy-3-nitrophenyl)ethanone; 2-Nitro-4-acetylphenol;	6322-56-1	C8H7NO4	181.15
FUROSEMIDE				
Furosemide	4-Chloro-2-[(furan-2-ylmethyl)amino]-5-sulfamoylbenzoic acid ; 5-(Aminosulfonyl)-4-chloro-2-[(2-furanyl- methyl)amino]benzoic Acid ;	54-31-9	C12H11ClN2O5 S	330.74
Furosemide EP Impurity B	2,4-Dichloro-5-sulfamoylbenzoic Acid ; 3-Sulfamoyl-4,6-dichlorobenzoic acid ;	2736-23-4	C7H5Cl2NO4S	270.09

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Furosemide EP Impurity C	Saluamine ; 2-Amino-4-chloro-5-sulfamoylbenzoic acid ; 4-Chloro-5-sulfamoyl-anthranilic Acid ;	3086-91-7	C7H7ClN2O4S	250.66
GATIFLOXACIN				
Gatifloxacin USP Impurity B	1-Cyclopropyl-6,7-difluoro-8-hydroxy-4-oxo-1,4-dihydroquinoline-3-carboxylic acid ;	154093-72-8	C13H9F2NO4	281.21
Gatifloxacin Impurity-1	1-Cyclopropyl-6,7-difluoro-1,4-dihydro-8-hydroxy-4-oxo-3-quinoline carboxylic acid	NA	C13H9F2NO4	281.21
Desmethyl Gatifloxacin	1-Cyclopropyl-6-fluoro-1,4-dihydro-8-hydroxy-7-(3-methyl-1-piperazinyl)-4-oxo-3-quinolinecarboxylic Acid; Gatifloxacin Impurity A;	616205-76-6	C18H20FN3O4	361.37
Gatifloxacin Impurity-2	3,4-Dimethyl piperazine derivative	144633-98-7	C20H24FN3O4	389.18
GANCICLOVIR				
Ganciclovir	2-Amino-9-[[2-hydroxy-1-(hydroxymethyl)ethoxy]methyl]-1,9-dihydro-6H-purin-6-one ;	82410-32-0	C9H13N5O4	255.23
GABAPENTIN				
Gabapentin EP Impurity A	3-Azaspiro-[4,5]decan-3-one ; 3,3-Pentamethylene-5-butyrolactam ; 4,4-Pentamethylene-2-pyrrolidinone ;	64744-50-9	C9H15NO	153.22
Gabapentin EP Impurity B	(1-Cyanocyclohexyl)acetic acid	133481-09-1	C9H13NO2	167.21
GALANTAMINE				
Galantamine EP Impurity B	(4aS,6S,8aS)-3-Methoxy-11-methyl-5,6,9,10,11,12-hexahydro-4aH-[1]benzofuro[3a,3,2-ef][2]benzazepin-6-ol ;	1668-85-5	C17H21NO3	287.35
Galantamine EP Impurity D	(4aS,8aS)-3-Methoxy-11-methyl-9,10,11,12-tetrahydro-4aH-[1]benzofuro[3a,3,2-ef][2]benzazepine ;	664995-65-7	C17H19NO2	269.34
Galantamine EP Impurity F	(4aR,6S,8aR)-3-Methoxy-11-methyl-5,6,9,10,11,12-hexahydro-4aH-[1]benzofuro[3a,3,2-ef][2]benzazepin-6-ol ;	60384-53-4	C17H21NO3	287.35
Galantamine O- Desmethyl Impurity	(4aS,6R,8aS)-4a,5,9,10,11,12-Hexahydro-11-methyl-6H-benzofuro[3a,3,2-ef][2]benzazepine-3,6-diol ;	60755-80-8	C16H19NO3	273.33
Galantamine Impurity Racemic Narwedine	(4aRS,6S,8aRS*)-4a,5,9,10,11,12-hexahydro-3-methoxy-11-methyl-6H-benzofuro[3a,3,2-ef][2]benzazepin-6-one	NA	C17H19NO3	285.34
Galantamine N- Oxide	(4aS,6R,8aS,11R)-4a,5,9,10,11,12-Hexahydro-3-methoxy-11-methyl-6H-benzofuro[3a,3,2-ef][2]benzazepin-6-ol 11-Oxide; Nivalin-oxide; Galanthamine 10-Oxide; Galanthamine ?-N-oxide.	134332-50-6	C17H21NO4	303.4
GLICLAZIDE				

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Gliclazide Impurity A	4-Tolylsulfonamide; p-Toluenesulfonamide; 4-Methylbenzene-1-sulfonamide; 4-Methylbenzenesulfonamide	70-55-3	C7H9NO2S	171.22
Gliclazide Impurity B	N-Nitroso-3-azabicyclo[3.3.0]octane; Octahydro-2-nitrosocyclopenta[c]pyrrole	54786-86-6	C7H12N2O	140.18
Gliclazide Impurity C	Tosylurethane; Ethyl (p-?Toluenesulfonyl)?carbamate; Ethyl (p-?Tolylsulfonyl)?carbamate	5577-13-9	C10H13NO4S	243.28
Gliclazide Impurity F	ortho Gliclazide; 1-(3-Azabicyclo[3.3.0]oct-3-yl)-3-ortho-tolylsulphonylurea; ortho Gliclazide Impurity	1076198-18-9	C15H21N3O3S	323.41
GLIMEPIRIDE				
Glimepiride EP Impurity A	Glimepiride BP Impurity A ; Glimepiride USP Related Compound A ; Glimepiride cis Isomer ; 1-[4-[2-(3-Ethyl-4-methyl-2-oxo-3-pyrroline-1-carboxamido) ethyl] phenylsulfonyl]-3-(4-cis-methylcyclohexyl)urea ;	684286-46-2	C24H34N4O5S	490.62
Glimepiride EP Impurity B	Glimepiride BP Impurity B ; Glimepiride Sulfonamide ; Glimepiride USP Related Compound B ; [4-[2-(3-Ethyl-4-methyl-2-oxo-3-pyrroline-1-carboxamido) ethyl] phenyl] sulfonamide ;	119018-29-0	C16H21N3O4S	351.42
Glimepiride EP Impurity C	Glimepiride BP Impurity C ; Glimepiride USP Related Compound C ; Glimepiride Ester ; 1-[[p-[2-(3-Ethyl-4-methyl-2-oxo-3-pyrroline-1-carboxamido) ethyl]phenyl]sulfonyl]-methoxy carbamate ;	119018-30-3	C18H23N3O6S	409.46
Glimepiride EP Impurity D	Glimepiride BP Impurity D ; Glimepiride USP Related Compound D ; Glimepiride meta Isomer ; Glimepiride 3- Isomer ; 1-[[m-[2-(3-Ethyl-4-methyl-2-oxo-3-pyrroline-1-carboxamido) ethyl]phenyl]sulfonyl]-3-(trans-4-	791104-62-6	C24H34N4O5S	490.62
Glimepiride EP Impurity I	Glimepiride ortho Isomer ; 1-[2-[2-(3-Ethyl-4-methyl-2-oxo-3-pyrroline-1-carboxamido) ethyl] phenylsulfonyl]-3-(4-methylcyclohexyl)urea ;	878480-70-7	C24H34N4O5S	490.62
GLIBENCLAMIDE				
Glibenclamide Impurity A	4-[2-(5-Chloro-2-methoxybenzamido)ethyl]phenylsulfonamide, 5-Chloro-2-methoxy-N-[2-(4-sulfamoylphenyl)ethyl]benzamide.	16673-34-0	C16H13ClN2O4S	368.84
Glibenclamide EP Impurity B	21691-432-methoxybenzoyl(amino)ethyl)phenyl)sulfonyl-, methyl ester;	21165-77-5	C18H19ClN2O6 S	426.87
Glibenclamide Imp D (EP)	N-[4-[(2-Methoxyonyl)-N-butylurea; N-[2-[4-[[[(Butylamiofonyl]phenyl)ethyl]-5-chloro-2-methoxy-benzamide;N-(4-(N-(butylcarbomoyl)sulfamoyl)phenethyl)-5-chloro-2-methoxybenzamide	38160-73-5	C21H26ClN3O5 S	467.97
GRANISETRON				
Granisetron EP Impurity A	Granisetron USP RC A ; 1-Desmethyl 2-Methyl Granisetron ; 2-Methyl-N-[(1R,3r,5S)-9-methyl-9-azabicyclo[3.3.1]non-3-yl]-2H-indazole-3-carboxamide ;	127472-42-8	C18H24N4O	312.41
Granisetron EP Impurity B	Granisetron USP RC B ; 1-Desmethyl Granisetron ; N- [(1R,3r,5S)-9-Methyl-9-azabicyclo[3.3.1]non-3-yl]-1H-indazole-3-carboxamide ;	107007-95-4	C17H22N4O	298.38
Granisetron EP Impurity C	N-[(1R,3r,5S)-9-Azabicyclo[3.3.1]non-3-yl]-1-methyl-1H-indazole-3-carboxamide ;	160177-67-3	C17H22N4O	298.38

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Granisetron EP Impurity F	exo-Granisetron ; exo-N-(9-Methyl-9- azabicyclo[3.3.1]non-3-yl)-1-methyl-1H-indazole-3- carboxamide ;	1364914-39-5	C18H24N4O	312.41
GUAIFENESIN				
Guaifenesin EP Impurity A	2-Methoxyphenol.	90-05-1	C7H8O2	124.14
Guaifenesin EP Impurity B	2-(2-Methoxyphenoxy)propane-1,3-diol ;	14007-09-1	C10H14O4	198.2
Guaifenesin EP Impurity C	1,1?-Oxybis[3-(2-methoxyphenoxy)propan-2-ol] ;	1797132-23-0	C20H26O7	378.42
Guaifenesin EP Impurity D	1,3-Bis(2-Methoxyphenoxy)propan-2-ol ;	16929-60-5	C17H20O5	304.34
Guanine	2-Amino-1,9-dihydro-6H-purin-6-one ;	73-40-5	C5H5N5O	151.13
HALOPERIDOL				
Haloperidol EP Impurity B	4-[4-(4-Chlorophenyl)-4-hydroxypiperidin-1-yl]-1-(2-?uorophenyl)butan-1-one ;	1391052-53-1	C21H23ClFNO2	375.86
HYDROCHLOROTHIAZIDE				
Hydrochlorothiazid e EP Impurity C	6-Chloro-N-[(6-chloro-7-sulfamoyl-2,3-dihydro-4H-1,2,4-benzothiadiazin-4-yl 1,1-dioxide)methyl]-3,4-dihydro-2H- 1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide ;	402824-96-8	C15H16Cl2N6O8S4	607.49
Hydrochlorothiazid e 5-Chloro Impurity	5,6-Dichloro-3,4-dihydro-2H-1,2,4-benzothiadiazine-7- sulfonamide 1,1-dioxide ;	5233-42-1	C7H7Cl2N3O4S2	332.18
HYDROXYZINE				
Hydroxyzine EP Impurity A	(RS)-1-[(4-Chlorophenyl)phenylmethyl]-piperazine ;	303-26-4	C17H19ClN2	286.80
Hydroxyzine EP Impurity B	Hydroxyzine BP Impurity B ; Deschloro Hydroxyzine Dihydrochloride ; Decloxizine Dihydrochloride ; 2-[2-[4- (Diphenylmethyl)piperazin-1-yl]ethoxy]ethanol dihydrochloride ;	13073-96-6	C21H30Cl2N2O2	413.38
Hydroxyzine N- Oxide	NA	NA	C21H27ClN2O3	390.9
Hydroxyzine O- Acetyl Impurity	2-(2-[4-[(4-Chlorophenyl)-phenylmethyl]piperazin-1- yl]ethoxy)ethyl acetate ;	NA	C23H29ClN2O3	416.94
Hydrocortisone 21-Butyrate	(11?)-11,17-Dihydroxy-21-(1-oxobutoxy)pregn-4-ene-3,20- dione	6677-99-2	C25H36O6	432.55
4,7-Dichloroquinoline	tl1473;TL 1473;7-Dichloroquinoline;4,7- DICHLOROQUINOLINE;4,7-dichloro-quinolin;4,7- DICHLOROQUINOLINE;Quinoline, 4,7-dichloro-;4,7- Dichloroquinoline,98%;4,7-Dichloroquinoline,97%;4,7-DICHLOROQUINOLINE, 99+%	86-98-6	C9H5Cl2N	198.05

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
IBUPROFEN				
Ibuprofen Sodium	Methyl-4-(isobutyl)phenylacetic acid	31121-93-4	C13H17O2Na	228.26
Ibuprofen	alpha-Methyl-4-(2-methylpropyl)benzeneacetic acid ; 2-(4-Isobutylphenyl)-propionic acid ; p-Isobutylhydratropic acid ;	15687-27-1	C13H18O2	206.28
Ibuprofen EP Impurity B	(2RS)-2-(4-Butylphenyl)propanoic acid sodium salt ;	3585-49-7	C13H17NaO2	228.26
Ibuprofen EP Impurity C	Ibuprofen Amide ; (2RS)-2-[4-(2-Methylpropyl)phenyl]propanamide ;	59512-17-3	C13H19NO	205.3
Ibuprofen EP Impurity D	(2RS)-2-(4-Methylphenyl)propanoic acid ;	938-94-3	C10H12O2	164.2
Ibuprofen EP Impurity E	1-[4-(2-Methylpropyl)phenyl]ethanone ;	38861-78-8	C12H16O	176.25
Ibuprofen EP Impurity F	3-[4-(2-Methylpropyl)phenyl]propanoic acid ;	65322-85-2	C13H18O2	206.28
Ibuprofen EP Impurity J	(2RS)-2-[4-(2-Methylpropanoyl)phenyl]propanoic acid ;	65813-55-0	C13H16O3	220.26
Ibuprofen EP Impurity N	(2RS)-2-(4-Ethylphenyl)propanoic acid ;	3585-52-2	C11H14O2	178.23
Ibuprofen EP Impurity L	2-[4-(1-Hydroxy-2-methylpropyl)phenyl]propanoic acid ;	53949-53-4	C13H18O3	222.28
Ibuprofen EP Impurity M	Ibuprofen BP Impurity M ; (2RS)-2-Hydroxy-2-[4-(2-Methylpropyl)phenyl]propanoic acid ;	60057-62-7	C13H18O3	222.28
Ibuprofen Sorbitol Ester	NA	NA	C19H30O7	370.45
Ibuprofen Lysinate	L-Lysine Mono[?-methyl-4-(2-methylpropyl)benzeneacetate]; ?-Methyl-4-(2-methylpropyl)benzeneacetic Acid Compd. With L-Lysine (1:1); Arfen; Dolormin; Ibuprofen Lysine; Ibuprofen Lysine Salt; Imbun; Imbun 500; Lisiprofen; Lysine 2-(p-	57469-77-9	C19H32N2O4	352.47
Ibuprofen EP Impurity O	Ibuprofen BP Impurity O ; 2-[4-(1-Methylpropyl)phenyl]propanoic acid ;	64451-76-9	C13H18O2	206.28
Ibuprofen For Peck Identification	alpha-Methyl-4-(2-methylpropyl)benzeneacetic acid ; 2-(4-Isobutylphenyl)-propionic acid ; p-Isobutylhydratropic acid ;	15687-27-1	C13H18O2	206.28
4-Isobutyrylacetophenone	1-(4-Acetylphenyl)-2-methyl-1-propanone	103931-20-0	C12H14O2	190.24
IMATINIB				

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Imatinib EP Impurity B	Imatinib Guanidino Impurity ; N-(3-Guanidino-4- methylphenyl)-4-((4-methylpiperazin-1- yl)methyl)benzamide ; N-(3-Carbamimidamido-4- methylphenyl)-4-((4-methylpiperazin-1- yl)methyl)benzamide ;	581076-65-5	C21H28N6O	380.49
Imatinib EP Impurity C	Imatinib N-Desmethyl Impurity ; N-(4-Methyl-3-(4-(pyridin- 3- yl)pyrimidin-2-ylamino) phenyl)-4- (piperazin-1- ylmethyl)benzamide ;	404844-02-6	C28H29N7O	479.58
Imatinib EP Impurity D	Imatinib Dimer ; 1-Methyl-1,4-bis[4-[(4-methyl-3-[[4- (pyridin-3- yl)pyrimidin-2-yl]amino) phenyl]carbamoyl]benzyl]piperazin-1-ium chloride ;	NA	C53H51ClN12O2	923.50
Imatinib Impurity E	1,4-bis-[4-[4-Methyl-3-[[4-(pyridin-3-yl)pyrimidin-2-yl]amino]phenyl] carbamoyl] benzyl piperazine ;	1365802-18-1	C52H48N12O2	873.02
INDOMETHACIN				
Indomethacin RC A	2-(5-methoxy-2-methyl-1H-indol-3-yl)acetic acid.	2882-15-7	C12H13NO3	219.24
Indomethacin RC B	4-Chlorobenzoic acid	74-11-3	C7H5ClO2	156.57
Indomethacin Methyl Ester	1-(4-Chlorobenzoyl)-5-methoxy-2-methyl-1H-indole-3- acetic Acid Methyl Ester ;	1601-18-9	C20H18ClNO4	371.81
IODIXANOL				
Iodixanol	5,5'-[[2-Hydroxypropane-1,3- diyl]bis(acetylimino)]bis[N,N'-bis(2,3-dihydroxypropyl)2,4,6-triiodobenzene-1,3-dicarboxamide] ;	92339-11-2	C35H44I6N6O15	1550.18
IPRATROPIUM				
Ipratropium EP Impurity D	2-Phenylpropenoic acid ;	492-38-6	C9H8O2	148.16
IRBESARTAN				
Irbesartan EP Impurity A	Irbesartan USP Related Compound A ; Irbesartan Metabolite "SR-49498" ; 1-Pentanoylamino- cyclopentanecarboxylic acid [2'-(1H-tetrazol-5-yl)-biphenyl- 4-ylmethyl]-amide ;	748812-53-5	C25H30N6O2	446.54
Bromomethyl	(Bromomethyl)-[1,1'-biphenyl]-2-carbonitrile; 2-(4-Bromomethylphenyl)benzotrile; 4-(2-Cyanophenyl)benzyl Bromide;	114772-54-2	C14H10BrN	272.14
Irbesartan Carboxamide Impurity	N-((2-cyanobiphenyl-4-yl)methyl);1-pentanamido cyclopentane carboxamide	NA	C25H29N3O2	403.53
ISONARINGIN				
Isonaringin	NA	NA	C27H32O14	580.54
Isochromanone	NA	4385-35-7	C9H8O2	148.16

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Isoproterenol Impurity A	1-(3,4-dihydroxyphenyl)-2-(isopropylamino)ethan-1-one hydrochloride.	16899-81-3	C11H15NO3 HCl	209.25
ITRACONAZOLE				
Itraconazole EP Impurity A	Itraconazole EP Impurity A ; Itraconazole Methoxy Isobutyltriazolone Impurity ; 4-[4-[4-(4-Methoxyphenyl)piperazin-1-yl]phenyl]-2-[(1RS)-1-methylpropyl]-2,4-dihydro-3H-1,2,4-triazol-3-one ;	252964-68-4	C23H29N5O2	407.51
Itraconazole EP Impurity B	Itraconazole EP Impurity B ; Itraconazole N4-Isomer ; 4-[4-[4-[[cis-2-(2,4-Dichlorophenyl)-2-(4H-1,2,4-triazol-4-ylmethyl)-1,3-dioxolan-4-yl]methoxy]phenyl]piperazin-1-yl]phenyl]-2-[(1RS)-1-methylpropyl]-2,4-dihydro-3H-1,2,4-triazol-3-one ;	854372-77-3	C35H38Cl2N8O4	705.63
Itraconazole EP Impurity C	Itraconazole EP Impurity C ; Itraconazole Propyl Analog ; 4-[4-[4-[[cis-2-(2,4-Dichlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)-1,3-dioxolan-4-yl]methoxy]phenyl]piperazin-1-yl]phenyl]-2-propyl-2,4-dihydro-3H-1,2,4-triazol-3-one ;	74855-91-7	C34H36Cl2N8O4	691.61
Itraconazole EP Impurity D	Itraconazole EP Impurity D ; Itraconazole Isopropyl Analog ; 4-[4-[4-[[cis-2-(2,4-Dichlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)-1,3-dioxolan-4-yl]methoxy]phenyl]piperazin-1-yl]phenyl]-2-(1-methyl ethyl)-2,4-dihydro-3H-1,2,4-triazol-3-one ;	89848-49-7	C34H36Cl2N8O4	691.61
Itraconazole EP Impurity E	Itraconazole EP Impurity E ; trans-Itraconazole ; 4-[4-[4-[[trans-2-(2,4-Dichlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)-1,3-dioxolan-4-yl]methoxy]phenyl]piperazin-1-yl]phenyl]-2-[(1RS)-1-methylpropyl]-2,4-dihydro-3H-1,2,4-	252964-65-1	C35H38Cl2N8O4	705.63
Itraconazole EP Impurity F	Itraconazole EP Impurity F ; Itraconazole Butyl Analog ; 2- Butyl-4-[4-[4-[4-[[cis-2-(2,4-dichlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)-1,3-dioxolan-4-yl]methoxy]phenyl]piperazin-1-yl]phenyl]-2,4-dihydro-3H-	89848-51-1	C35H38Cl2N8O4	705.63
Itraconazole EP Impurity G	Itraconazole EP Impurity G ; 4-[4-[4-[4-[[cis-2-(2,4-Dichlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)-1,3-dioxolan-4-yl]methoxy]phenyl]piperazin-1-yl]phenyl]-2-[[cis-2-(2,4-dichlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)-1,3-	NA	C44H41Cl4N11O6	961.68
KETOROLAC				
Ketorolac EP Impurity A	Ketorolac USP Related Compound B ; 1-Hydroxy Ketorolac Impurity ; (1RS)-5-Benzoyl-2,3-dihydro-1H-pyrrolizin-1-ol ;	154476-25-2	C14H13NO2	227.26
Ketorolac EP Impurity B	Ketorolac USP Related Compound C ; 1-Keto Ketorolac ; 5-Benzoyl-2,3-dihydro-1H-pyrrolizine-1-one ;	113502-52-6	C14H11NO2	225.24
Descarboxy 1- Hydroxy Ketorolac	(2,3-Dihydro-1-hydroxy-1H-pyrrolizin-5-yl)phenylmethanone; USP Ketorolac Related Compound B.	154476-25-2	C14H13NO2	227.26
Ketorolac EP Impurity C	Ketorolac EP Impurity C ; 6-Benzoyl Ketorolac Isomer ; (1RS)-6-Benzoyl-2,3-dihydro-1H-pyrrolizine-1-carboxylic acid ;	1026936-07-1	C15H13NO3	255.27
Ketorolac EP Impurity E	Ketorolac USP Related Compound A ; Ketorolac Tris Amide Impurity ; (1RS)-5-Benzoyl-N-[2-hydroxy-1,1-bis(hydroxymethyl)ethyl]-2,3-dihydro-1H-pyrrolizine-1-carboxamide ;	167105-80-8	C19H22N2O5	358.39
Bromo Impurity	5-benzoyl-7-bromo-1,2-dihydro-3H-pyrrolo[1,2-a]pyrrole-1-carboxylic acid.	84023-60-9	C15H12BrNO3	334.16
Dimethyl[2-(2,3-Dibromo-5-Benzoylpyrrol-1-Yl)Ethyl]Malonate	dimethyl[2-(2,3-dibromo-5-benzoylpyrrol-1-yl)ethyl]malonate.	80965-18-0	C18H17Br2NO5	487.14
1-Descarboxy Ketorolac	2,3-Dihydro-1H-pyrrolizin-5-yl)phenylmethanone; USP Ketorolac Related Compound D;	113502-55-9	C14H13NO	211.26

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
1-Keto Ketorolac	5-Benzoyl-2,3-dihydro-1H-pyrrolizin-1-one; USP Ketorolac Related Compound C;	113502-52-6	C14H11NO2	225.24
KETOPROFEN				
Ketoprofen EP Impurity A	1-(3-Benzoylphenyl)ethanone ;	66067-44-5	C15H12O2	224.25
Ketoprofen EP Impurity C	3-[(1RS)-1-Carboxyethyl]benzoic acid ;	NA	C10H10O4	194.18
Ketoprofen EP Impurity D	(2RS)-2-[3-(4-Methylbenzoyl)phenyl]propanoic acid ;	NA	C17H16O3	268.3 1
Ketotifen Impurity C	4-Hydroxy Ketotifen; 4,9-Dihydro-4-hydroxy-4-(1-methyl-4-piperidiny)-10H-benzo[4,5]cyclohepta[1,2-b]thiophen-10-one;	126939-27-3	C19H21NO2S	327.45
LAMOTRIGINE				
Lamotrigine EP Impurity A	Lamotrigine USP RC C ; 3-Amino-6-(2,3-dichlorophenyl)-1,2,4-triazin-5(4H)-one ;	252186-78-0	C9H6Cl2N4O	257.0 8
Lamotrigine EP Impurity B	(2E)-[2-(Diaminomethylidene)diazanylidene](2,3-dichlorophenyl)acetonitrile ;	NA	C9H7Cl2N5	256.0 9
Lamotrigine EP Impurity C	(2Z)-[2-(Diaminomethylidene)diazanylidene](2,3-dichlorophenyl)acetonitrile ;	84689-20-3	C9H7Cl2N5	256.09
Lamotrigine EP Impurity D	6-(2,3-Dichlorophenyl)-1,2,4-triazine-3,5(2H,4H)-dione ;	661463-79-2	C9H5Cl2N3O2	258.06
Lamotrigine EP Impurity E	2,3-Dichlorobenzoic acid ;	50-45-3	C7H4Cl2O2	191.01
Lamotrigine EP Impurity F	N-[5-Amino-6-(2,3-dichlorophenyl)-1,2,4-triazin-3-yl]-2,3-dichlorobenzamide ;	252186-79-1	C16H9Cl4N5O	429.09
Lamotrigine EP Impurity G	6-(2,4-dichlorophenyl)-1,2,4-triazine-3,5-diamine ;	38943-76-9	C9H5Cl2N3O2	258.06
2-(3,4-Dichlorophenyl)-2-Oxoacetonitrile	2-(3,4-dichlorophenyl)-2-oxoacetonitrile	77668-42-9	C8H3Cl2NO	200.0 2
LAMIVUDINE				
Lamivudine EP Impurity B	Lamivudine EP Impurity B ; 4-Amino-1-[(2S,5S)-2-(hydroxymethyl)-1,3-oxathiolan-5-yl]pyrimidin-2(1H)-one ;	136846-20-3	C8H11N3O3S	229.26
Lamivudine EP Impurity C	Lamivudine EP Impurity C ; Salicylic Acid ; 2-Hydroxybenzenecarboxylic acid ;	69-72-7	C7H6O3	138.1 2

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Lamivudine EP Impurity E	Lamivudine EP Impurity E ; Cytosine ; 4-Aminopyrimidin- 2(1H)-one ;	71-30-7	C4H5N3O	111.1
Lamivudine EP Impurity F	Lamivudine EP Impurity F ; Uracil ; Pyrimidine-2,4(1H,3H)- dione ;	66-22-8	C4H4N2O2	112.09
Lamivudine EP Impurity G	Lamivudine EP Impurity G ; Lamivudine (3S)-Sulfoxide ; 4- Amino-1-[(2R,3S,5S)-2-(hydroxymethyl)-1,3-oxathiolan-5- yl] pyrimidin-2(1H)-one S-oxide ;	160552-55-6	C8H11N3O4S	245.26
Lamivudine EP Impurity H	Lamivudine EP Impurity H ; Lamivudine (3R)-Sulfoxide ; 4- Amino-1-[(2R,3R,5S)-2-(hydroxymethyl)-1,3-oxathiolan-5- yl] pyrimidin-2(1H)-one S-oxide ;	160552-54-5	C8H11N3O4S	245.26
Lamivudine 5- Epimer	Lamivudine 5-Epimer ; trans-Lamivudine (USP) ; 4-Amino- 1-[(2R,5R)-2-(hydroxymethyl)-1,3-oxathiolan-5-yl] pyrimidin-2(1H)-one ; 139757-68-9	139757-68-9	C8H11N3O3S	229.26
Lamivudine Enantiomer	Lamivudine EP Impurity D ; 4-Amino-1-[(2S,5R)-2- (hydroxymethyl)-1,3-oxathiolan-5-yl]pyrimidin-2(1H)-one ;	134680-32-3	C8H11N3O3S	229.26
Lamivudine EP Impurity I	Lamivudine EP Impurity I ; Lamivudine Dioxolan Impurity ; 4-Amino-1-[(2S,4S)-2-(hydroxymethyl)-1,3-dioxolan-4-yl] pyrimidin-2(1H)-one ;	NA	C8H11N3O4	213.19
Lamivudine EP Impurity J	Lamivudine EP Impurity J ; Lamivudine Dione Impurity ; 1- [(2R,5S)-2-(Hydroxymethyl)-1,3-oxathiolan-5-yl]pyrimidine- 2,4(1H,3H)-dione ;	145986-07-8	C8H10N2O4S	230.24
Lamivudine Sulfoxide	Lamivudine Sulfoxide ; 4-Amino-1-[(2R,5S)-2- (hydroxymethyl)-1,3-oxathiolan-5-yl] pyrimidin-2(1H)-one S-oxide ;	1235712-40-9	C8H11N3O4S	245.26
Lacosamide	(2R)-2-(Acetylamino)-3-methoxy-N- (phenylmethyl)propanamide ;	175481-36-4	C13H18N2O3	250.29
LACOSAMIDE				
Lacosamide	N-benzylacetamide.	588-46-5	C9H11NO	149.1
Impurity B				9
Lacosamide	N-acetyl-O-methyl-D-serine; (R)-2-Acetylamino-3-	196601-67-9	C6H11NO4	161.1
Impurity D	methoxy-propionic acid;			6
Lacosamide	Lacosamide O-Acetyl Impurity ;(2R)-2-(Acetylamino)-3- (acetyloxy)-N-(phenylmethyl)-propanamide ;	1318777-54-	C14H18N2O4	278.3
Impurity E		6		

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Lacosamide	Lacosamide N-Ethylcarbonyl Analog ;(2R)-3-Methoxy-2-	1318777-56-	C14H20N2O3	236.27
Impurity H	[(1-oxopropyl)amino]-N-(phenylmethyl)propanamide ;v	8		
Lacosamide O- Desmethyl Impurity	(2R)-2-(Acetylamino)-3-hydroxy-N- (phenylmethyl)propanamide ;	175481-38-6	C12H16N2O3	236.27
Lacosamide N- Desacetyl Impurity	(2R)-2-Amino-3-methoxy-N-(phenylmethyl)-propanamide ;	196601-69-1	C11H15N2O2	207.25
Lacosamide (S)- Isomer	(S)-2-(Acetylamino)-3-methoxy-N- (phenylmethyl)propanamide ;	175481-37-5	C13H18N2O3	250.29
LATANOPROST				
Latanoprost Acid	(5Z)-7-[(1R,2R,3R,5S)-3,5-Dihydroxy-2-[(3R)-3-hydroxy-5-phenylpentyl]cyclopentyl]-5-heptenoic Acid; 13,14-Dihydro- 17-phenyl-18,19,20-trinor-PGF2?; PhXA 85; USP Latanoprost Related Compound E;	41639-83-2	C23H34O5	390.51
15-Keto Latanoprost	(5Z)-7-[(1R,2R,3R,5S)-3,5-Dihydroxy-2-(3-oxo-5-phenylpentyl)cyclopentyl]-5-heptenoic Acid 1-Methylethyl Ester; [1R-[1?(Z),2?,3?,5?]]-7-[3,5-Dihydroxy-2-(3-oxo-5-phenylpentyl)cyclopentyl]-5-heptenoic Acid 1-Methylethyl Ester;	135646-98-9	C26H38O5	430.58
Lansoprazole				
Lansoprazole EP Impurity A	Lansoprazole N-Oxide ;2-[[[3-Methyl-1-oxido-4-(2,2,2-trifluoroethoxy)-2-pyridinyl]methyl]sulfinyl]-1H- benzimidazole ;	213476-12-1	C16H14F3N3O3 S	385.36
Lansoprazole EP Impurity B	Lansoprazole USP Related Compound A ; Lansoprazole Sulfone ;	131926-99-3	C16H14F3N3O3 S	385.36
Lansoprazole EP Impurity C	Lansoprazole USP Related Compound B ; Lansoprazole Sulfide ; 2-[[[3-Methyl-4-(2,2,2-trifluoroethoxy)-2- pyridinyl]methyl]thio]-1H-benzimidazole ;	103577-40-8	C16H14F3N3OS	353.36
Lansoprazole EP Impurity D	1H-Benzimidazol-2-ol ; 2-Hydroxybenzimidazole ;	615-16-7	C7H6N2O	134.14
Lansoprazole EP Impurity E	Rabeprazole USP Related Compound C ; Rabeprazole Mercapto Impurity ; 1H-Benzimidazole-2-thiol ; 2-Mercaptobenzimidazole ;	583-39-1	C7H6N2S	150.2
Lansoprazole EP Impurity F	Rabeprazole USP Related Compound F ; Rabeprazole Chloro Analog (USP) ; 2-[[[RS)-[(4-Chloro-3-methylpyridin- 2-yl)methyl]sulphonyl]-1H-benzimidazole ; 4- Desmethoxypropoxyl-4-Chloro Rabeprazole ;	168167-42-8	C14H12ClN3OS	305.78
Lansoprazole Sulfide	2-[[[3-Methyl-4-(2,2,2-trifluoroethoxy)-2- pyridinyl]methyl]thio]-1H-benzimidazole; AG 1777; H 225/18; K 1252; Lansoprazole EP Impurity C/USP Impurity B	103577-40-8	C16H14F3N3O S	353.36
Lansoprazole Sulfone	2-[[[3-Methyl-4-(2,2,2-trifluoroethoxy)-2- pyridinyl]methyl]sulfonyl]-1H-benzimidazole; AG 1813;	131926-99-3	C16H14F3N3O3 S	385.36
Lansoprazole Sulfone N-Oxide	2-[[[3-Methyl-1-oxido-4-(2,2,2-trifluoroethoxy)-2-pyridinyl]methyl]sulfonyl]-1H-benzimidazole ;	953787-54-7	C16H14F3N3O4 S	401.36

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Lansoprazole N- Oxide	2-[[[3-Methyl-1-oxido-4-(2,2,2-trifluoroethoxy)-2-pyridinyl]methyl]sulfinyl]-1H-benzimidazole; Lansoprazole EP Impurity A	213476-12-1	C16H14F3N3O3 S	385.36
Lansoprazole Chloromethyl Impurity	2-Chloromethyl-3-methyl-4-(2,2,2-trifluoroethoxy)pyridine hydrochloride ;	127337-60-4	C9H10Cl2F3NO	276.08
LACIDIPINE				
Lacidipine Impurity A	Lacidipine Monomethyl Ester;4-[2-[3-(1,1-Dimethylethoxy)-3-oxo-1-propenyl]phenyl]-1,4-dihydro-2,6-dimethyl-3,5- pyridinedicarboxylic Acid Ethyl Methyl Ester	103890-81-9	C25H31NO6	441.52
Lacidipine BP Impurity B	Diethyl (E)-4-[2-[2-(tert-butoxycarbonyl)vinyl]phenyl]-2,6-dimethylpyridine-3,5-dicarboxylate ;	130996-24-6	C26H31NO6	453.53
Lacidipine BP Impurity C	Diethyl (Z)-4-[2-[2-(tert-butoxycarbonyl)vinyl]phenyl]-1,4-dihydro-2,6-dimethylpyridine-3,5-dicarboxylate ;	103890-79-5	C26H33NO6	455.54
2-Carboxybenzaldehy de	OFBA;Phthalaldehyd;Phthalaldehyde;AKOS BBS-00003264;Pthalaldehyde acid;3-HYDROXYPTHALIDE;PTHALALDEHYDIC ACID;RARECHEM AL BO 1280;2-formyl-benzoicaci;2-NSC 82468;T-	119-67-5	C8H6O3	150.13
(Tert- Butoxycarbonylmet hyl)Triphenylphosp hanium Bromide	butoxycarbonylMethyltriphenylphosphoniumMbroMide;tert-Butoxycarbonylmethyltriphenylphosphoniumbrom;carbo- tert-butoxymethyl triphenylphosphonium bromide;(tert-	59159-39-6	C24H26BrO2P	457.34
Triphenylphosphin e Oxide	NSC 398; PP 560; TPPO; Triphenyl Phosphorus Oxide; Triphenylphosphine Monoxide; Orlistat Related Compound C	791-28-6	C18H15OP	278.28
2-Ethenylbenzaldehy de	2-Ethenylbenzaldehyde; Benzaldehyde, 2-ethenyl-; ETHENYLBENZALDEHYDE	28272-96-0	C9H8O	132.16
Triphenylphosphin e	PHOSPHORUSTRIPHENYL TPP TRIPHENYLPHOSPHINE,	603-35-0	C18H15P	262.29
(E)-3-(2-Formylphenyl)-2- Propenoic Acid 1,1- Dimethyl Ethyl Ester	(E)-3-(2-FORMYIPHENYL)-2-PROPENOIC ACID 1,1- DIMETHYL ETHYL ESTER;(e)-3-(2-formylphenyl)-2-propenoic acid 1,1-dimethyl ethyl ester;(E)-3-(2- Formylphenyl)-2-Prope;(E)-3-(2-FORMYLPHENYL)-2- PROPENOIC ACID 1,1-DIMETHYL	103890-69-3	C14H16O3	232.28
Methylenetripheny lphosphine	Methylenetriphenylphosphine;methylene-tri(phenyl)phosphorane;methylidene-tri(phenyl)- P -phosphane	3487-44-3	NA	NA
Cis Lacidipine	diethyl (Z)-4-(2-(3-(tert-butoxy)-3-oxoprop-1-en-1-yl)phenyl)-2,6-dimethyl-1,4-dihydropyridine-3,5- dicarboxylate.Lacidipine BP Impurity C ; Lacidipine cis- Isomer ;	103890-79-5	C26H33NO6	455.54
Lacidipine Dimer	3-[2-(2-tert-Butoxycarbonyl-vinyl)-phenyl]-acrylic acid tert- butyl ester	926293-66-5	C20H26O4	330.42
Lacidipine Regio Impurity	Lacidipine Regio Impurity	1160755-72-5	C23H33NO6	455.54
Lacidipine TPPO Impurity	Ph3PO, TPPO, Triphenyl phosphorus oxide, Triphenylphosphine monoxide	791-28-6	(C6H5)3PO	278.28
LABETALOL				

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Labetalol EP Impurity G	3-bromo-2-hydroxy-5-[1-hydroxy-2-[(1-methyl-3-phenylpropyl)amino]-ethyl]benzamide ;	NA	C19H23BrN2O3	407.30
LENALIDOMIDE				
Lenalidomide Tert-Butoxycarbonyl-L-Glutamine	N2-[(1,1-Dimethylethoxy)carbonyl]-L-glutamine; N2- Carboxy-glutamine N-tert-Butyl Ester; (S)-2-[(tert- Butoxycarbonyl)amino]-4-carbamoylbutanoic Acid; BOC- glutamine; NSC 334370;	13726-85-7	C10H18N2O5	246.26
Lenalidomide Tert- Butyl (2,6- Dioxopiperidin-3- Yl)Carbamate	tert-Butyl Ester 2,6-Dioxo-3-piperidinecarbamic Acid; 1,1-Dimethylethyl Ester (2,6-Dioxo-3-piperidinyl)-carbamic Acid;	31140-42-8	C10H16N2O4	228.25
Lenalidomide 3-Aminopiperidine- 2,6-Dione Hydrochloride	3-aminopiperidine-2,6-dione hydrochloride;	2686-86-4	C5H9ClN2O2	164.59
LERCANIDIPINE				
Lercanidipine Impurity A	1,4-Dihydro-2,6-dimethyl-4-(3-nitrophenyl)-3,5- pyridinedicarboxylic acid 1-methylpropyl ester	74936-74-6	C19H22N2O6	374.39
Lercanidipine Impurity B	Lercanidipine Acid ; 1,4-Dihydro-2,6-dimethyl-4-(3- nitrophenyl)-3,5-pyridinedicarboxylic acid 2-[(3,3- diphenylpropyl)methylamino]-1,1-dimethylethyl ester	1119226-97-9	C35H39N3O6	597.7
Lercanidipine Impurity C	Lercanidipine 5-Desmethyl-5-Propyl Ester ; 1,4-Dihydro- 2,6-dimethyl-4-(3-nitrophenyl) pyridine-3,5-dicarboxylic acid 2-[N-(3,3-diphenylpropyl)-N-methylamino]-1,1- dimethyl ethyl propyl diester	1797124-83-4	C38H45N3O6	639.78
Lercanidipine Impurity D	Dehydro Lercanidipine HCl, 2,6-Dimethyl-4-(3- nitrophenyl)-pyridine-3,5-dicarboxylic acid 3-[2-[(3,3- diphenyl propyl)methylamino]-1,1-dimethyl ethyl]ester 5- methyl ester HCl	887769-34-8	C36H40ClN3O6	646.17
LETROZOLE				
Letrozole EP Impurity A	4,4'-(4H-1,2,4-Triazol-4-ylmethylene)dibenzonitrile ;	112809-52-6	C17H11N5	285.3
Letrozole Impurity D	4,4'-(1-METHYLENE) BIS-BENZONITRILE;4,4'-(1-Methylene);4,4'-Dicyanodiphenylmethane;4,4'-(1- METHYLENE) BIS-BENZONITRILE;4-[(4-Cyanophenyl)methyl]benzonitrile;	10466-37-2	C15H8N2	218.25
LEVETIRACETAM				
Levetiracetam USP RC A	(S)-N-(1-Amino-1-oxobutan-2-yl)-4-chlorobutanamide ;	102767-31-7	C8H15ClN2O2	206.67
Levetiracetam EP Impurity A	(2RS)-2-(2-Oxopyrrolidin-1-yl)butanoic acid ;	67118-31-4	C8H13NO3	171.19
Levetiracetam EP Impurity B	(2Z)-2-(2-Oxopyrrolidin-1-yl)but-2-enamide ;	358629-47-7	C8H12N2O2	168.19
Levetiracetam EP Impurity C	Pyridin-2-ol ; 2-Pyridinol ; 2-Hydroxypyridine ;	142-08-5	C5H5NO	95.1
Levetiracetam EP Impurity D	(R)-Etiracetam ; Levetiracetam R-Isomer ; (2R)-2-(2- Oxopyrrolidin-1-yl)butanamide ;	103765-01-1	C8H14N2O2	170.21

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
LEVODOPA				
Levodopa EP Impurity A	Levodopa USP Related Compound A ; (2S)-2-Amino-3- (2,4,5-trihydroxyphenyl)propanoic acid; 3-(3,4,6- Trihydroxyphenyl)-alanine ; 2-Hydroxy Levodopa ;	27244-64-0	C9H11NO5	213.06 37
Levodopa EP Impurity D	Levodopa EP Impurity D ; D-Dopa ; (2R)-2-Amino-3-(3,4-dihydroxyphenyl)propanoic acid ;	5796-17-8	C9H11NO4	197.19
LEFLUNOMIDE				
Leflunomide EP Impurity A	4-(Trifluoromethyl)aniline ;	455-14-1	C7H6F3N	161.12
Leflunomide EP Impurity B	N-(4-Trifluoromethylphenyl)-2-cyano-3- hydroxycrotonamide ;	163451-81-8 ; 108605-62-5 ;	C12H9F3N2O2	270.2 1
Leflunomide EP Impurity C	5-Methyl-N-[3-(trifluoromethyl)phenyl]-4- isoxazolecarboxamide ;	61643-23-0	C12H9F3N2O2	270.21
Leflunomide EP Impurity D	5-Methyl-4-isoxazolecarboxylic Acid ;	42831-50-5	C5H5NO3	127.10
Leflunomide EP Impurity E	3-Methyl-N-[4-(trifluoromethyl)phenyl]isoxazole-4- carboxamide ;	208401-20-1	C12H9F3N2O2	270.2 1
Leflunomide EP Impurity F	5-Methyl-N-[2-(trifluoromethyl)phenyl]-4- isoxazolecarboxamide ;	1403564-06- 6	C12H9F3N2O2	270.2 1
Leflunomide EP Impurity G	5-Methyl-N-(4-methylphenyl)isoxazole-4-carboxamide ;	724429-16-7	C12H12N2O2	216.24
LEVOFLOXACIN				
Levofloxacin EP Impurity A	9-Fluoro-3-methyl-7-oxo-10-(piperazin-1yl)-2,3-dihydro- 7H-pyrido[1,2,3-de]-1,4-benzo oxazin-6- carboxylic acid.	82419-52-1	NA	347.34
Levofloxacin EP Impurity B	9-Fluoro-2,3-dihydro-3-methyl-10-(4-methyl-1-piperazinyl)- 7-oxo-7H-pyrido[1,2,3-de]-1,4- benzoxazine(Decarboxylated.	NA	NA	NA
Levofloxacin Carboxylic Acid	(3S)-9,10-Difluoro-2,3-dihydro-3-methyl-7-oxo-7H- pyrido[1,2,3-de]-1,4-benzoxazine-6-carboxylic Acid; Levofloxacin Q-Acid; USP Levofloxacin Related Compound B;	100986-89-8	C13H9F2NO4	281.21
Descarboxyl Levofloxacin	(3S)-9-Fluoro-2,3-dihydro-3-methyl-10-(4-methyl-1- piperazinyl)-7H-pyrido[1,2,3-de]-1,4-benzoxazin-7-one;	178964-53-9	C17H20FN3O2	317.36
Levofloxacin Hemihydrate	(-)-(S)-9-Fluoro-2,3-dihydro-3-methyl-10-(4-methyl-1- piperazinyl)-7-oxo-7H-pyrido[1,2,3-de]-1,4-benzoxazine-6- carboxylic acid hemihydrate ;	100986-85-4	C18H20FN3O4	361.37
Levofloxacin N- Oxide	(-)-(S)-9-Fluoro-2,3-dihydro-3-methyl-10-(4-methyl-1- piperazinyl)-7-oxo-7H-pyrido[1,2,3-de]-1,4-benzoxazine-6- carboxylic acid N-oxide ;	117678-37-2	C18H20FN3O5	377.37

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Levofloxacin Impurity F	Levofloxacin USP RC B ; Levofloxacin Difluoro Carboxylic Acid ; (S)-9,10-Difluoro-3-methyl-7-oxo-2,3-dihydro-7H- pyrido[1,2,3-de][1,4]benzoxazine-6-carboxylic acid ;	100986-89-8	C13H9F2NO4	281.21
Levofloxacin Desfluoro Impurity	Levofloxacin USP RC F ; (-)-(S)-2,3-Dihydro-3-methyl-10- (4-methyl-1-piperazinyl)-7-oxo-7H-pyrido[1,2,3-de]-1,4- benzoxazine-6-carboxylic acid ;	117620-85-6	C18H21N3O4	343.38
Levofloxacin R- Isomer	(+)-(R)-9-Fluoro-2,3-dihydro-3-methyl-10-(4-methyl-1- piperazinyl)-7-oxo-7H-pyrido[1,2,3-de]-1,4-benzoxazine-6- carboxylic acid ; (R)-(+)-Ofloxacin ; D-Ofloxacin ; Ofloxacin R-Isomer ; Levofloxacin D-Isomer ;	100986-86-5	C18H20FN3O4	361.37
Levofloxacin Q-Acid	Levofloxacin USP RC B ; Levofloxacin Difluoro Carboxylic Acid ; (S)-9,10-Difluoro-3-methyl-7-oxo-2,3-dihydro-7H- pyrido[1,2,3-de][1,4]benzoxazine-6-carboxylic acid	100986-89-8	C13H9F2NO4	281.21
Levofloxacin 9- Piperazino	9-Piperazino Levofloxacin;Levofloxacin 9-Piperazinyl Isomer;9-Piperazine Levofloxacin IMPurity;9-Piperazino Levofloxacin IMPurity;(S)-10-fluoro-3-methyl-9-(4- methylpiperazin-1-yl)-7-oxo-2,3-dihydro-7H-	178912-62-4	C18H20FN3O4	361.38
Levofloxacin Ethyl Ester	Levofloxacin USP Related Compound C ; Levofloxacin Ethyl Ester ; Ethyl (S)-9-fluoro-2,3-dihydro-3-methyl-10-(4- methyl-1-piperazinyl)-7-oxo-7H-pyrido[1,2,3-de]-1,4- benzoxazine-6-carboxylate ;	177472-30-9	C17H20FN3O2	317.36
LEVOCETIRIZINE				
Levocetirizine EP Impurity A	(RS)-1-[(4-Chlorophenyl)phenylmethyl]piperazine ;	303-26-4	C17H19ClN2	286.8
Levocetirizine EP Impurity B	(RS)-2-[4-[(4-Chlorophenyl)phenylmethyl]piperazin-1- yl]acetic acid dihydrochloride ;	942132-30-1	C19H23Cl3N2O 2	417.76
Levocetirizine EP Impurity C	(RS)-2-[2-[4-[(2-Chlorophenyl)phenylmethyl]piperazin-1- yl]ethoxy] acetic acid dihydrochloride ;	83881-59-8 (base)	C21H27Cl3N2O 3	461.81
Levocetirizine EP Impurity D	1,4-bis[(4-Chlorophenyl)phenylmethyl]piperazine dihydrochloride ;	346451-15-8 (base) ;	C30H30Cl4N2	560.38
Levocetirizine EP Impurity E	(RS)-2-[2-[2-[4-[(4-Chlorophenyl)phenylmethyl]piperazin-1- yl]ethoxy] ethoxy] acetic acid ;	682323-77-9	C23H29ClN2O4	432.94
Levocetirizine EP Impurity F	Acetic acid, 2-[2-[4-(diphenylMethyl)-1-piperazinyl]ethoxy]- ;Deschloro Cetirizine	83881-53-2	C21H26N2O3	354.44
Levocetirizine 3- Chloro Impurity	NA	1232460-31-9	C21H25ClN2O3	388.90
Levocetirizine R- Isomer	(R)-Cetirizine;Levocetirizine-d4;(R)-Cetirizine-d4;Cetirizine R-Isomer;- 2-(2-(4-(4-Chlorophenyl));LevocetirizineHydrochloride	130018-77-8	C21H25ClN2O3	388.89
LEDIPASVIR				
Ledipasvir Boronic Acid	2-(2-(tert-butoxycarbonyl)-2-aza-bicyclo[2.2.1]heptan-3-yl)- 1H-benzo[d]imidazol-5-yl-5-boronic acid.	NA	C18H24BN3O4	357.21
LINAGLIPTIN				

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Linagliptin Dimer Impurity	8-[(3R)-3-Amino-1-piperidinyl]-1-[[4-[[2-[[8-[(3R)-3-amino-1-piperidinyl]-7-(2-butyn-1-yl)-2,3,6,7-tetrahydro-3-methyl-2,6-dioxo-1H-purin-1-yl]methyl]-1,4-dihydro-4-ethyl-4-quinazoliny]methyl]-2-quinazoliny]methyl]-7-(2-butyn-1-yl)-3,7-dihydro-3-methyl-1H-	1418133-47-7	C50H56N16O4	945.08
Linagliptin N-Acetyl Impurity	8-[(3R)-3-Acetylamino-1-piperidinyl]-7-(2-butyn-1-yl)-3,7-dihydro-3-methyl-1-[[4-methyl-2-quinazoliny]methyl]-1H-purine-2,6-dione ;	1803079-49-3	C27H30N8O3	514.58
Linagliptin Impurity 1	1-[[4-Methylquinazolin-2-yl)methyl]-3-methyl-7-(2-butyn-1-yl)-8-bromoxanthin	853029-57-9	C20H17BrN6O2	453.29
Linagliptin Impurity 2	8-[(3R)-3-Amino-1-piperidinyl]-7-[(2E/Z)-3-bromo-2-buten-1-yl]-3,7-dihydro-3-methyl-1-[[4-methyl-2-quinazoliny]methyl]-1H-purine-2,6-dione; Linagliptin Impurity S	1638744-06-5	C25H29BrN8O2	553.45
LIDOCAINE				
Lidocaine BP Impurity A	Bupivacaine EP Impurity F ; Lidocaine USP Impurity A ; 2,6-Dimethylaniline ;	87-62-7	C8H11N	121.18
Lidocaine BP Impurity B	Lidocaine N-Oxide ; 2-(Diethylazinoyl)-N-(2,6-dimethylphenyl)acetamide ;	2903-45-9	C14H22N2O2	250.34
Glycene Xylidide	glycinexylidide;2-Amino-2',6'-dimethylacetoanilide;GX;N-(2,6-Dimethylphenyl)-2-aminoacetamide;N-(2,6-Dimethylphenyl)glycinamide.	18865-38-8	C10H14N2O	178.23
Lidocaine BP Impurity H	2-Chloro-N-(2,6-dimethylphenyl)acetamide ;	1131-01-7	C10H12ClNO	197.66
LINEZOLID				
Linezolid Impurity A	Linezolid USP Related Compound C ; Linezolid Desacetyl Analog ; (5S)-5-(Aminomethyl)-3-[3-fluoro-4-(4-morpholinyl)phenyl]-2-oxazolidinone ;	168828-90-8	C14H18FN3O3	295.31
Linezolid USP RC A	Linezolid USP Related Compound A ; Linezolid Desacetamide Azide ; (5R)-5-(Azidomethyl)-3-[3-fluoro-4-(4-morpholinyl)phenyl]-2-oxazolidinone ;	168828-84-0	C14H16FN5O3	321.31
Linezolid USP RC B	ThioLinezolid ; (S)-N-[[3-(3-Fluoro-4-morpholinophenyl)-2-oxooxazolidin-5-yl]methyl] thioacetamide ;	NA	C16H20FN3O3S	353.41
Linezolid Impurity B	Linezolid Descarbonyl (R)-Isomer;N,O-Descarbonyl (R)- Linezolid ; N-[(2R)-3-[[3-Fluoro-4-(4-morpholinyl)phenyl]amino]-2-hydroxypropyl] acetamide ;	333753-67-6	C15H22FN3O3	311.35
Linezolid Impurity C	Linezolid Desfluoro Impurity ; N-[[[(5S)-3-[4-(4-Morpholinyl)phenyl]-2-oxo-5-oxazolidinyl] methyl] acetamide ;	556801-15-1	C16H21N3O4	319.36
Linezolid Impurity F	Linezolid Dimer ;N,N-bis[[[(5S)-3-[3-Fluoro-4-(4-morpholinyl)phenyl]-2-oxo-5-oxazolidinyl] methyl] acetamide ;	908143-04-4	C30H35F2N5O7	615.63
Linezolid N-Oxide	N-[[[(5S)-3-[3-Fluoro-4-(4-morpholinyl)phenyl]-2-oxo-5-oxazolidinyl] methyl]acetamide N-oxide ;	189038-36-6	C16H20FN3O5	353.35
Linezolid Impurity D	Linezolid USP RC D ; Linezolid Mesylate Impurity ; (5R)-3-[3-Fluoro-4-(4-morpholinyl)phenyl]-5-[[[(methylsulfonyl)oxy]methyl]-2-oxazolidinone ;	174649-09-3	C15H19FN2O6S	374.38

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Linezolid Hydroxymethyl Impurity	Linezolid Desacetamide Hydroxy Impurity ; Linezolid Hydroxymethyl Impurity ; (5R)-3-[3-Fluoro-4-(4- morpholinyl)phenyl]-5-(hydroxymethyl)-2-oxazolidinone ;	168828-82-8	C14H17FN2O4	296.29
Linezolid Descarbonyl N-Desacetyl Impurity	Linezolid Descarbonyl N-Desacetyl Impurity ; N-[(2R)-3- [[3-Fluoro-4-(4-morpholinyl)phenyl]amino]-2- hydroxypropyl]acetamide ;	333753-72-3	C13H20FN3O2	269.32
Linezolid Benzyl Impurity	Linezolid Benzyl Ester Impurity ; (3-Fluoro-4-morpholin-4-ylphenyl)carbamic acid benzyl ester ;	168828-81-7	C18H19FN2O3	330.35
Linezolid Amine Impurity	Linezolid Amine Impurity ; 3-Fluoro-4-(morpholin-4- yl)phenylamine ;	93246-53-8	C10H13FN2O	196.22
LOPINAVIR				
Lopinavir EP Impurity A	Lopinavir Free Amine (USP); Lopinavir USP Impurity A; (S)-N-[(2S,4S,5S)-5-Amino-4-hydroxy-1,6-diphenylhexan- 2-yl]-3-methyl-2-[2-oxotetrahydropyrimidin-1(2H)- yl]butanamide; (2S)-N-[(1S,3S,4S)-1-Benzyl-4-amino-3- hydroxy-5-phenylpentyl]-3-methyl-2-	NA	C27H38N4O3	466.62
Lopinavir EP Impurity B	Lopinavir USP Impurity B; N-Formylaminoalcohol; (2S)-N- [(1S,3S,4S)-1-Benzyl-4-(formylamino)-3-hydroxy5- phenylpentyl]-3-methyl-2-[2-oxotetrahydropyrimidin1(2H)- yl]butanamide;	NA	C28H38N4O4	494.63
Lopinavir EP Impurity D	Sulfo lopinavir, (1R,3R)-1-[(1R)-1-[[2-(2,6-Dimethylphenoxy)acetyl]amino]-2-phenylethyl]-3-[[[(2R)-3- methyl-2-[2-oxotetrahydropyrimidin-1(2H)- yl]butanoyl]amino]-4-phenylbutyl hydrogen sulfate; (2S,3S,5S)-2-[2-(2,6-Dimethylphenoxy)acetamido]-	NA	C37H48N4O8S	708.86
Lopinavir EP Impurity F	Lopinavir USP F; Lopinavir N-Formylphenoxyacetamide (USP); N-[(1S,2S,4S)-1-Benzyl-4-(formylamino)-2- hydroxy-5-phenylpentyl]-2-(2,6- dimethylphenoxy)acetamide.	NA	C29H34N2O4	474.59
Lopinavir EP Impurity I	Lopinavir USP I; (2S)-N-[(1S,2S,4S)-1-Benzyl-4-[[2-(2,6-dimethylphenoxy)acetyl]amino]-2-hydroxy-5-phenylpentyl]- 3-methyl-2-[2oxotetrahydropyrimidin-1(2H)-yl]butanamide.	NA	C37H48N4O5	628.8
Lopinavir Impurity T	N,N?-Bis[(1S,3S,4S)-1-benzyl-4-[[2-(2,6-dimethylphenoxy)acetyl]amino]-3-hydroxy-5- phenylpentyl]urea ;	1797024-56-6	C57H66N4O7	919.16
LORATADINE				
Loratadine EP Impurity A	8-Chloro-6,11-dihydro-11-[N-ethoxycarbonyl-4- piperidinyl]-11-hydroxy-5H-benzo[5,6] cyclohepta[1,2- b]pyridine ;	133284-74-9	C22H25ClN2O3	400.90
Loratadine EP Impurity B	8-Chloro-5,6-dihydro-11H-benzo[5,6] cyclohepta[1,2- b]pyridin-11-one ;	31251-41-9	C14H10ClNO	243.69
Loratadine EP Impurity C	4,8-Dichloro-6,11-dihydro-11-[N-ethoxy carbonyl-4- piperidylidene]-5H-benzo[5,6] cyclohepta[1,2-b]pyridine ;	165739-83-3	C22H22Cl2N2O 2	417.33
Loratadine EP Impurity D	8-Chloro-6,11-dihydro-11-(4-piperidylidene)-5H-benzo[5,6]cyclohepta[1,2-b] pyridine ;	100643-71-8	C19H19ClN2	310.82
Loratadine EP Impurity G	8-Chloro-6,11-dihydro-11-(N-methyl-4-piperinylidene)-5H-benzo[5,6]cyclohepta[1,2-b] pyridine ;	38092-89-6	C20H21ClN2	324.85
Loratadine EP Impurity H	Ethyl 4-oxopiperidine-1-carboxylate ;	29976-53-2	C8H13NO3	171.19

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Loratadine N-Acetyl Impurity	8-Chloro-6,11-dihydro-11-(N-acetyl-4-piperinylidene)-5H-benzo[5,6]cyclohepta[1,2-b] pyridine ;	117796-52-8	C21H21ClN2O	352.86
Loratadine N-Oxide	4-(8-Chloro-5,6-dihydro-1-oxido-11H- benzo[5,6]cyclohepta[1,2-b]pyridin-11-ylidene)-1- piperidinecarboxylic acid ethyl ester ;	165739-62-8	C22H23ClN2O3	398.88
Loratadine USP Related Compound D	11-Hydroxy N-Methyl Dihydrodesloratadine ; 8-Chloro- 6,11-dihydro-11-[N-methyl-4-piperidinyl]-11-hydroxy-5H- benzo[5,6] cyclohepta[1,2-b]pyridine.	38089-93-9	C20H23ClN2O	342.14
Loratadine N- Formyl Impurity	8-Chloro-6,11-dihydro-11-(N-formyl-4-piperinylidene)-5H-benzo[5,6]cyclohepta[1,2-b] pyridine.	117810-61-4	C20H19ClN2O	338.11
Bromo Loratadine	8-Deschloro-8-bromo Loratadine	130642-60-3	C??H??BrN?O?	427.33
LOSARTAN				
Losartan EP Impurity B	Losartan Hydroxy Impurity ; Candesaratan Hydroxy Impurity ; Irbesartan Hydroxy Impurity ; p-(o-1H-Tetrazol-5- ylphenyl)benzyl alcohol ;	NA	C14H12N4O	252.27
Losartan EP Impurity D	Losartan USP RC A ; 2-Butyl-4-chloro-1H-imidazole-5- carbaldehyde ;	83857-96-9	C8H11ClN2O	186.64
Losartan EP Impurity I	5-[4'-[[2-Butyl-4-chloro-5-[(triphenyl methoxy)methyl]-1H- imidazol-1-yl]methyl] [1,1'-biphenyl]-2-yl]-2H-tetrazole ;	1006062-28-7	C41H37ClN6O	665.23
N-Trityl Losartan Isomer	2-Butyl-5-chloro-1-[[2-[[1-(triphenylmethyl)-1H-tetrazol-5-yl][1,1'-biphenyl]-4-yl]methyl]-1H-imidazole-4-methanol	133727-10-3	C41H37ClN6O	665.23
Losartan Bromo N2-Trityl Impurity	Candesartan Bromo N2-Trityl Impurity ; Losartan Bromo N2-Trityl Impurity ; 5-(4'-(Bromomethyl)(1,1'-biphenyl)-2- yl)-2-trityl-2H-tetrazole ;	133051-88-4	C33H25BrN4	557.48
Losartan Isomer Impurity, Potassium Salt	2-Butyl-5-chloro-1-[[2-[[2H-tetrazol-5-yl][1,1'-biphenyl]-4-yl]methyl]-1H-imidazole-4-methanol Potassium Salt; Losartan Isomer Impurity; Losartan EP Impurity C	860644-28-6	C22H22ClKN6O	461
Losartan Potassium	Losartan MonoPotassium Salt ; 2-Butyl-4-chloro-1-[[2'- (1H-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]-1H-imidazole- 5-methanol monopotassium salt ;	124750-99-8	C22H22ClKN6O K	461
Losartan EP Impurity H	Losartan N2-Trityl Impurity ; N2-Trityl Losartan ; 2-Butyl-4- chloro-1-[[2'-[2-(triphenylmethyl)-2H-tetrazol-5-yl][1,1'- biphenyl-4-yl]methyl]-1H-imidazole-5-methanol ;	133909-99-6	C41H37ClN6O	665.23
Losartan DI Bromo	5-[4-[[4-(Dibromomethyl)[1,1'-biphenyl]-2-yl]-1- (triphenylmethyl)-1H-tetrazole	358685-13-9	C??H??Br?N?	636.38
LOPERAMIDE				
Loperamide EP Impurity A	4-[4-(4-Chlorobiphenyl-4-yl)-4-hydroxypiperidin-1-yl]-N,N- dimethyl-2,2-diphenylbutanamide ;	1391052-94-0	C35H37ClN2O2	553.13
Loperamide EP Impurity B	4-(4-Chlorophenyl)-1,1-bis[4-(dimethylamino)-4-oxo-3,3-diphenylbutyl]-4-hydroxypiperidinium bromide ;	NA	C47H53BrClN3 O3	823.30

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Loperamide EP Impurity C	4-(4-Chlorophenyl)piperidin-4-ol ; 4-(4-Chlorophenyl)-4-hydroxypiperidine ;	39512-49-7	C11H14ClNO	211.69
Loperamide EP Impurity D	4-(4-Hydroxy-4-phenylpiperidin-1-yl)-N,N-dimethyl-2,2-diphenylbutanamide ;	37743-41-2	C29H34N2O2	442.59
Loperamide EP Impurity E	4-(4-Chlorophenyl)-1-[4-(4-chlorophenyl)-4-hydroxypiperidin-1-yl]-2,2-diphenylbutanoyl]piperidin-4-ol.	NA	C38H40Cl2N2O3	643.64
Loperamide EP Impurity F	Loperamide USP RC F ; Loperamide Oxide ; 4-[Trans-4-(4-Chlorophenyl)-4-hydroxy-1-oxidopiperidin-1-yl]-N,N-dimethyl-2,2-diphenylbutanamide ;	106900-12-3	C29H33ClN2O3	493.04
Loperamide EP Impurity G	4-[Cis-4-(4-Chlorophenyl)-4-hydroxy-1-oxidopiperidin-1-yl]-N,N-dimethyl-2,2-diphenylbutanamide ;	106900-12-3	C29H33ClN2O3	493.04
Loperamide EP Impurity H	4-[4-(4-Chlorophenyl)-3,6-dihydropyridin-1(2H)-yl]-N,N-dimethyl-2,2-diphenylbutanamide ;	NA	C29H31ClN2O	459.02
LOXOPROFEN				
Loxoprofen	Methyl-4-[(2-oxocyclopentyl)methyl]benzeneacetic acid ;	68767-14-6	C15H18O3	246.3
LURASIDONE				
Lurasidone HCl	(3aR,4S,7R,7aS)-2-[(1R,2R)-2-[4-(1,2-Benzisothiazol-3-yl)piperazin-1-yl methyl] cyclohexylmethyl]hexahydro-4,7-methano-2H-isoindole-1,3-dione hydrochloride ;	367514-88-3	C28H37ClN4O2S	529.14
Lurasidone Isomer I	(endo-1R,2R)-4-[2-(4-Benzo[d]isothiazol-3-yl-piperazin-1-ylmethyl)-cyclohexylmethyl]-4-aza-tricyclo[5.2.1.0 _{2,6}]decane-3,5-dione.	NA	C28H36N4O2S	492.68
LUMIFANTRINE				
Lumifantrine Impurity I	2,7-Dichlorofluorene-9-para chloro benzene methylene	4364-35-6	C20H11Cl3	357.66
MACITENTAN				
Macitentan	N-[5-(4-Bromophenyl)-6-[2-[(5-bromo-2-pyrimidinyl)oxy]ethoxy]-4-pyrimidinyl]-N-propyl-Sulfamide ;	441798-33-0	C19H20Br2N6O4S	588.27
Macitentan Impurity A	Macitentan N-Despropyl-N-Methyl Impurity ; Macitentan N-methyl Analog ; N-[5-(4-Bromophenyl)-6-[2-[(5-bromo-2-pyrimidinyl)oxy]ethoxy]-4-pyrimidinyl]-N-methylsulfamide ;	441798-25-0	C17H16Br2N6O4S	560.22
Macitentan Impurity B	Macitentan N-Despropyl-N-Ethyl Impurity ; Macitentan N-Ethyl Analog ; N-[5-(4-Bromophenyl)-6-[2-[(5-bromo-2-pyrimidinyl)oxy]ethoxy]-4-pyrimidinyl]-N-ethylsulfamide ;	441796-13-0	C18H18Br2N6O4S	574.25
Macitentan Impurity 1	Macitentan 5-Desbromo-5-Chloro Impurity ; N-[5-(4-Bromophenyl)-6-[2-[(5-chloro-2-pyrimidinyl)oxy]ethoxy]-4-pyrimidinyl]-N-propyl-Sulfamide ;	NA	C19H20BrClN6O4S	543.82
Macitentan Impurity 2	N-[5-(4-Chlorophenyl)-6-[2-[(5-bromo-2-pyrimidinyl)oxy]ethoxy]-4-pyrimidinyl]-N-propyl-Sulfamide.	NA	C19H20BrClN6O4S	543.82

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Macitentan Impurity 3	N-[5-(4-Chlorophenyl)-6-[2-[(5-chloro-2- pyrimidinyl)oxy]ethoxy]-4-pyrimidinyl]-N'- propyl-Sulfamide.	NA	C19H20Cl2N6O 4S	499.37
Macitentan Impurity 4	N-[5-(phenyl)-6-[2-[(5-chloro-2-pyrimidinyl)oxy]ethoxy]-4-pyrimidinyl]-N'- propyl-Sulfamide;	NA	C19H21ClN6O4 S	464.93
Macitentan Impurity 5	N-[5-(4-chlorophenyl)-6-[2-[(2-pyrimidinyl)oxy]ethoxy]-4-pyrimidinyl]-N'- propyl-Sulfamide;	NA	C19H21ClN6O4 S	464.93
Macitentan Impurity 6	Diethylene glycol impurity of Mecitentan;	NA	C21H24Br2N6O 4S	616.33
MARBOFLOXACIN				
Marbofloxacin Impurity F	Marbofloxacin N-oxide ; 4-(6-carboxy-9-fluoro-3-methyl-7-oxo-2,3-dihydro-7H-[1,3,4]oxadiazino[6,5,4-ij]quinolin-10- yl)-1-methylpiperazine 1-oxide	194023-72-8	C17H19FN4O5	378.4
MECLIZINE				
Mecizine USP RC B	Isomeclizine Dihydrochloride ; Mecizine ortho-Methyl Isomer Dihydrochloride ; 1-[[4- Chlorophenyl](phenyl)methyl]-4-(2-methylbenzyl)piperazine dihydrochloride ;	NA	C25H29Cl3N2	463.87
Mecizine Ortho- Chloro Isomer (USP)	Mecizine ortho-Chloro Isomer (USP) ; 1-[[2-Chlorophenyl](phenyl)methyl]-4-(3-methylbenzyl) piperazine dihydrochloride ;	NA	C25H29Cl3N2	463.87
METFORMIN				
Metformin EP Impurity A	Metformin EP Impurity A ; Metformin USP RC A ; 1- Cyanoguanidine ;	461-58-5	C2H4N4	84.08
Metformin EP Impurity C	N,N-Dimethyl-1,3,5-triazine-2,4,6-triamine ;	1985-46-2	C5H10N6	154.17
Metformin EP Impurity D	Metformin EP Impurity D ; Melamine ; 1,3,5-Triazine-2,4,6- triamine ;	108-78-1	C3H6N6	126.1 2
Metformin EP Impurity E	Metformin EP Impurity E ; Metformin USP RC B ; N- Desmethyl Metformin Hemisulfate Monohydrate ; 1-Methyl Biguanide Hemisulfate Monohydrate ;	36801-25-9	C3H11N5O4S	213.22
Metformin EP Impurity F	N-Methylmethanamine HCl ; Dimethylamine HCl ;	506-59-2	C2H8ClN	81.54
Metronidazole EP Impurity A	Metronidazole Benzoate EP Impurity B ; 2-Methyl-4- nitroimidazole ;	696-23-1	C4H5N3O2	127.10
METRONIDAZOLE				
Metronidazole Impurity C	2-(4-Nitro-1H-imidazol-1-yl)ethanol ; 4-Nitro-1H-imidazole- 1-ethanol ;	5006-69-9	C5H7N3O3	157.13
3-Hydroxy Medetomidine	3-[1-(1H-Imidazol-5-yl)ethyl]-2-methylbenzenemethanol;	128366-50-7	C13H16N2O	216.28

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
N-Benzyl Hydroxy Medetomidine	NA	NA	C20H22N2O	306.4
Ethyl Medetomidine	NA	NA	C15H20N2	228.33
N-Benzyl Medetomidine	1-(1-Benzyl-1H-imidazol-5-yl)-1-(2,3-di-methylphenyl)ethanol;	NA	C20H22N2O	306.4
N-Benzyl Venyl Analog Medetomidine	NA	NA	C20H20N2	288.40
MELOXICAM				
Meloxicam EP Impurity B	Meloxicam EP Impurity B ; Meloxicam USP RC B ; Meloxicam BP Impurity B ; 2-Amino-5-methyl-thiazole ;	7305-71-7	C4H6N2S	114.17
Meloxicam EP Impurity F	Meloxicam EP Impurity F ; Piroxicam EP Impurity L ; Isopropyl 4-hydroxy-2-methyl-2H-1,2-benzothiazine-3- carboxylate 1,1-dioxide ;	NA	C13H15NO5S	297.33
Amido Ethyl Meloxicam	NA	881399-30-0	C16H17N3O4S2	379.45
Amido Methyl Meloxicam	4-Hydroxy-N,2-dimethyl-N-(5-methyl-2-thiazolyl)- 2H-1,2-benzothiazine-3-carboxamide 1,1-Dioxide;	892395-41-4	C15H15N3O4S2	365.43
PIROXICAM				
Piroxicam Impurity H	4-Hydroxy-2H-1,2-benzothiazine-3-carboxylic Acid Ethyl Ester 1,1-Dioxide; Piroxicam Impurity H;	24683-21-4	C11H11NO5S	269.27
Piroxicam Impurity E	3-Oxo-1,2-benzisothiazole-2(3H)-acetic Acid Ethyl Ester 1,1-Dioxide; Ethyl (1,1-Dioxido-3-oxo-1,2-benzisothiazol- 2(3H)-yl)acetate; Piroxicam Impurity E;	24683-20-3	C11H11NO5S	269.27
Mebendazole EP Impurity G	N,N?-bis(5-Benzoyl-1H,-benzimidazol-2-yl)urea ;	129165-82-8	C29H20N6O3	500.51
MEDROXYPROGESTERONE				
Medroxyprogester one Acetate EP Impurity G	6-Methyl-3,20-dioxopregna-4,6-dien-17-yl acetate ;	595-33-5	C24H32O4	384.51
Medroxyprogester one Acetate EP Impurity I	17a?-Hydroxy-6,17a-dimethyl-D-homoandrost-4-ene-3,17- dione ;	NA	C22H32O3	344.49
MEPIVACAINE				
Mepivacaine Impurity E	Mepivacaine EP Impurity E	NA	C15H21ClN2O	280.80
MELPHALAN				

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Melphalan	4-[Bis(2-Chloroethyl)amino]-L-phenylalanine ;	148-82-3	C13H18Cl2N2O 2	305.2
Melphalan Impurity A	Dihydroxy Melphalan	72143-20-5	C13H20N2O4	268.3
Melphalan Impurity C	Melphalan Mono-chloroethyl Impurity HCl	573704-41-3	C11H15ClN2O2. HCl	242.7 1
Melphalan Impurity D	Monohydroxy Melphalan; Monochloro Melphalan;	61733-01-5	C13H19ClN2O3	286.7
Melphalan Impurity H	Melphalan Methyl Ester	62978-52-3	C14H21Cl3N2O 2	355.68
Melphalan Impurity K	N-Ethylethanamine Hydrochloride	109-89-7	C4H12ClN	109.60
Melphalan Impurity 1	4-Nitro-L-phenylalanine Hydrate	949-99-5	C9H10N2O4	210.19
Melphalan Methyl Ester Hydrochloride	4-[Bis(2-chloroethyl)amino]-L-phenylalanine Methyl Ester Hydrochloride; 4-[Bis(2-chloroethyl)amino]-L-phenylalanine Methyl Ester Monohydrochloride; NSC 133726	62978-52-3	C??H??Cl?N?O ?	355.69
Melphalan Enantiomer	Melphlan R isomer; (2R)-2-amino-3-(4-[bis(2-chloroethyl)amino]phenyl)propanoic acid	NA	C13H18Cl2N2O 2	305.2
Melphalan Isopropyl Ester	isopropyl (S)-2-amino-3-(4-(bis(2-chloroethyl)amino)phenyl)propanoate	NA	C16H24Cl2N2O 2	347.29
MESALAMINE				
Mesalamine EP Impurity A	4-Aminophenol	123-30-8	C6H7NO	109.13
Mesalamine EP Impurity B	3-Aminophenol ;	591-27-5	C6H7NO	109.13
Mesalamine EP Impurity C	2-Aminophenol ;	95-55-6	C6H7NO	109.13
Mesalamine EP Impurity D	3-Aminobenzoic acid ;	99-05-8	C7H7NO2	137.14
Mesalamine EP Impurity F	3-Amino-2-hydroxybenzoic acid ;	570-23-0	C7H7NO3	153.14
Mesalamine EP Impurity G	2,5-Dihydroxybenzoic acid ;	490-79-9	C7H6O4	154.12

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Mesalamine EP Impurity I	Phenylazosalicylic Acid ; 2-Hydroxy-5- (phenyldiazenyl)benzoic acid ;	3147-53-3	C13H10N2O3	242.23
Mesalamine EP Impurity J	Diaminosalicylic Acid ; 3,5-Diamino-2-hydroxybenzoic acid ;	112725-89-0	C7H8N2O3	168.15
Mesalamine EP Impurity L	2-Chlorobenzoic acid ;	118-91-2	C7H5ClO2	156.57
Mesalamine EP Impurity M	2-Chloro-5-nitrobenzoic acid ;	2516-96-3	C7H4ClNO4	201.56
Mesalamine EP Impurity N	5-Nitrosalicylic Acid ; 2-Hydroxy-5-nitrobenzoic acid ;	96-97-9	C7H5NO5	183.12
Mesalamine EP Impurity Q	2-Chloro-3-nitrobenzoic acid ;	3970-35-2	C7H4ClNO4	201.56
Mesalamine EP Impurity R	2-Hydroxy-3-nitrobenzoic acid ;	85-38-1	C7H5NO5	183.12
Monosodium Salt/Impurity O	Ccris 7446;Einecs 208-208-5;SODIUM SULFANILATE;sodiumsulphanilate;Sodium sulfanylate;SODIUM ANILINESULFONATE;AMino benzene sulfonate;4-AMPYRONE 99% HIGH GRADE;4-SULFOANILINE SODIUM SALT;p-	515-74-2	C6H6NNaO3S	195.17
MEFENAMIC ACID				
Mefenamic Acid Impurity A	1-Amino-2,3-dimethylbenzene, 2,3-Dimethylaniline, 2,3- Xylidine, 3-Amino-o-xylene, CN-Cbl	87-59-2	(CH3)2C6H3NH 2	121.18
Mefenamic Acid Impurity C	2-chlorobenzoic acid	118-91-2	C7H5ClO2	156.56
Mefenamic Acid Impurity D	Benzoic acid	65-85-0	C7H6O2	122.12
Mefenamic Acid Standard	2-[(2,3-Dimethylphenyl)amino]benzoic acid, N-(2,3- Xylil)anthranilic acid	61-68-7	C15H15NO2	241.29
METOCLOPRAMIDE				
Metoclopramide EP Impurity H	4-(Acetylamino)-2-hydroxybenzoic acid ;	50-86-2	C9H9NO4	195.17
METOPROLOL				
Metoprolol EP Impurity A	(2RS)-1-(Ethylamino)-3-[4-(2-methoxyethyl)phenoxy]propan-2-ol ;	109632-08-8	C14H23NO3	253.34
Metoprolol USP RC B	(+/-)-1-Chloro-2-hydroxy-3-[4-(2-methoxyethyl)phenoxy]- propane ;	56718-76-4	C12H17ClO3	244.71

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Metoprolol EP Impurity B	4-(2-Methoxyethyl)phenol ;	56718-71-9	C9H12O2	152.19
Metoprolol EP Impurity C	4-[(2RS)-2-Hydroxy-3-[(1-methylethyl)amino]propoxy]benzaldehyde maleate ;	29122-74-5	C13H19NO3	237.29
Metoprolol EP Impurity D	(2RS)-3-[4-(2-Methoxyethyl)phenoxy]propane-1,2-diol ;	62572-90-1	C12H18O4	226.27
Metoprolol EP Impurity G	2-(4-Hydroxyphenyl)ethanol ;	501-94-0	C8H10O2	138.16
Metoprolol EP Impurity H	4-[2-Hydroxy-3-[(1-methylethyl)amino]propoxy]- benzeneethanol ; (2RS)-1-[4-(2-Hydroxyethyl)phenoxy]-3- [(1-methylethyl)amino]propan-2-ol ;	62572-94-5	C14H23NO3	253.34
Metoprolol EP Impurity J	1-[2-Hydroxy-3-[(1-methylethyl)amino]propoxy]-3-[4-(2-methoxyethyl)phenoxy]propan-2-ol ;	163685-37-8	C18H31NO5	341.44
Metoprolol EP Impurity O	Metoprolol EP Impurity O ; Metoprolol USP RC D ; 1,1-[(1-Methylethyl)imino]bis[3-[4-(2-methoxyethyl)phenoxy] propan-2-ol] ;	154784-36-8	C27H41NO6	475.62
Metoprolol Epoxy Methoxyethyl Impurity	1-[2-(2-Methoxyethyl)phenoxy]-2,3-epoxypropane ;	56718-70-8	C12H16O3	208.25
(R)-3-[4-(2-Methoxyethyl)Phen oxy]-1,2- Epoxypropane	(-)-4-(2-Methoxyethyl)phenyl Glycidyl Ether; (R)-[[4-(2-Methoxyethyl)phenoxy]methyl]oxirane;	133397-54-3	C12H16O3	208.25
2-Methoxy-4-Hydroxyacetophen one	1-(4-Hydroxyphenyl)-2-methoxyethanone; 4-Hydroxy-2-methoxyacetophenone; 2-Methoxy-1-(4- hydroxyphenyl)ethanone.	32136-81-5	C9H10O3	166.17
Metaprolol Dimer	1,3-bis[4-(2-Methoxyethyl) phenoxy]propan-2-ol ;	230975-30-1	C21H28O5	360.44
METAXALONE				
Metaxalone USP RC A	4-((3,5-Dimethylphenoxy)methyl)imidazolidin-2-one ;	NA	C12H16N2O2	220.27
Metaxalone N- Benzyl Impurity	3-Benzyl-5-((3,5-dimethylphenoxy)methyl)oxazolidin-2- one ;	NA	C19H21NO3	311.37
MEMANTINE				
Memantine USP RC A	1,3-Dimethyladamantane ;	702-79-4	C12H20	164.29
Memantine USP RC B	3,5-Dimethyladamantane-1-ol ;	707-37-9	C12H20O	180.29
Memantine USP RC C	1-Chloro-3,5-dimethyladamantane ;	707-36-8	C12H19Cl	198.73

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Adamantane	ADAMANTANE;LABOTEST-BB LT00007844;HOMOADAMANTANE;TRICYCLO[3.3.1.1.1]DECANE;TRICYCLO[3.3.1.1.3,7]DECANE;TRICYCLODECANE;[6]diadamantane;3,5,1,7-	281-23-2	C10H16	136.23
Memantine USP RC D	1-Bromo-3,5-dimethyladamantane ;	941-37-7	C12H19Br	243.18
Memantine USP RC E	N-3,5-Dimethyladamantan-1-yl formamide ;	351329-88-9	C13H21NO	207.31
Memantine Desmethyl Impurity HCl	3-Methyltricyclo[3.3.1.1.3,7]decan-1-amine hydrochloride ;	33103-93-4	C11H20ClN	201.74
N-Acetyl Memantine	N-(3,5-Dimethyltricyclo[3.3.1.1.3,7]dec-1-yl)acetamide; N-(3,5-Dimethyl-1-adamantyl)acetamide; 1-Acetamido-3,5-dimethyladamantane;	19982-07-1	C14H23NO	221.34
MIRTAZAPINE				
Mirtazapine EP Impurity B	[2-[(2RS)-4-Methyl-2-phenylpiperazin-1-yl]pyridin-3-yl]methanol ;	NA	C17H21N3O	283.37
Mirtazapine EP Impurity C	Mirtazapine USP RC C ; Mirtazapine Lactam ; 2-Methyl- 3,4,10,14b-tetrahydrobenzo[c]pyrazino[1,2-a]pyrido[3,2- f]azepin-1(2H)-one ;	191546-96-0	C17H17N3O	279.34
Mirtazapine EP Impurity D	Mirtazapine USP Related Compound A ; N-Desmethyl Mirtazapine ; 1,2,3,4,10,14b-Hexahydropyrazino[2,1- a]pyrido[2,3-c][2]benzazepine ;	61337-68-6	C16H17N3	251.33
MISOPROSTOL				
Misoprostol Impurity (A-Form)	NA	NA	C22H36O4	364.53
Misoprostol Impurity (B-Form)	NA	NA	C22H36O4	364.54
Misoprostol Acid Impurity	NA	61337-87-9	C21H36O5	368.52
MICONAZOLE				
Miconazole	1-[2,4-Dichloro-?-(2,4-dichlorobenzyl)oxy]phenethyl]imidazole; (◆)-Miconazole; Daktanol; Daktarin IV; Florid-F; Lauriad; MJR 1762; Miconazole; Monistat IV; NSC 170986; R 18134;	22916-47-8	C18H14Cl4N2O	416.13
Miconazole Impurity C	(2RS)-2-[(2,4-Dichlorobenzyl)oxy]-2-(2,4-dichlorophenyl)ethanamine ;	67358-54-7	C15H13Cl4NO	365.08
Miconazole EP Impurity D	1-[(2RS)-2-[(2,6-Dichlorobenzyl)oxy]-2-(2,4-dichlorophenyl)ethyl]-1H-imidazole ;	27523-40-6	C18H14Cl4N2O	416.13
Miconazole EP Impurity I	Miconazole BP Impurity I ; Miconazole USP RC I ; 1- [(2RS)-2-[(2-Chlorobenzyl)oxy]-2-(2,4-dichlorophenyl)ethyl]-1H-imidazole nitrate ;	47363-37-1	C18H15Cl3N2O	381.68

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Rac-1-(2,4-Dichlorophenyl)-2- (1-Imidazolyl)Ethanol	-(2,4-Dichlorophenyl)-1H-imidazole-1-ethanol; (+/-)-?-(2,4-Dichlorophenyl)-1H-imidazole-1-ethanol; ?-(2,4-Dichlorophenyl)-1H-imidazole-1-ethanol; Econazole EP Impurity A.	24155-42-8	C11H10Cl2N2O	257.12
Miconazole EP Impurity G	Miconazole BP Impurity G ; 1-[(2RS)-2-[(2,5-Dichlorobenzyl)oxy]-2-(2,4-dichlorophenyl)ethyl]-1H-imidazole ;	909277-71-0	C18H14Cl4N2O	416.13
MONTELUKAST				
Montelukast EP Impurity A	Montelukast EP Impurity A (Sodium Salt) ; Montelukast Sodium (S)-Isomer ; ent-Montelukast Sodium Salt ; 1-[[[(1S)-1-[3-[(1E)-2-(7-Chloro-2-quinolinyl)ethenyl]phenyl]-3-[2-(1-hydroxy-1-	190078-45-6	C35H35ClNNaO 3S	608.17
Montelukast EP Impurity C	Montelukast EP Impurity C ; Montelukast USP Related Compound A ; Montelukast Sulfoxide ; Montelukast S- Oxide ; [1-[[[1-[3-[(E)-2-(7-chloroquinolin-2-yl)ethenyl]phenyl]-3-[2-(2-hydroxypropan-2-yl)phenyl]propyl]sulfinyl]methyl]cyclopropyl]acetic acid.	909849-96-3	C35H36ClNO4S	602.18
Montelukast EP Impurity E	Montelukast EP Impurity E ; Montelukast USP Related Compound D ; Michael Adduct (R,S)-Isomer ; 1-[[[(1R)-1-[3-[(1S)-1-[[[1-(Carboxymethyl)cyclopropyl]methyl]thio]-2-(7-chloro-2-quinolinyl)ethyl]phenyl]-3-[2-(1-hydroxy-1-	1187586-58-8	C41H46ClNO5S 2	732.39
Montelukast EP Impurity F	Montelukast EP Impurity F ; Montelukast USP Related Compound E ; Montelukast Methylketone ; [1-[[[(1R)-3-(2-acetylphenyl)-1-[3-[(E)-2-(7-chloroquinolin-2-yl)ethenyl]phenyl]propyl]sulfonyl]methyl]cyclopropyl]acetic	937275-23-5	C34H32ClNO3S	570.14
Montelukast Cis Isomer G	NA	774538-96-4	C35H36ClNO3S	586.18
Montelukast Dihydro Impurity	Dihydro Montelukast (Acid) ; 1-[[[(1R)-1-[3-[2-(7-Chloro-2-quinolinyl)ethyl]phenyl]-3-[2-(1-hydroxy-1-methylethyl)phenyl]propyl]thio]methyl]cyclopropaneacetic acid ; Montelukast saturated impurity.	142147-98-6	C35H38ClNO3S	588.2
Montelukast Quid- 8 Impurity	2-(2-[3-(2-(7-Chloro-2-quinolinyl)-ethenylphenyl)-3-hydroxypropyl]phenyl)-2-propanol.	142569-70-8	C29H28ClNO2	457.99
Montelukast Ketone Impurity (USP)	(E)-1-[3-[2-(7-Chloroquinolin-2-yl)vinyl]phenyl]-3-[2-(2-hydroxypropan-2-yl)phenyl]propan-1-one ;	1258428-71-5	C29H26ClNO2	455.98
Montelukast Nitrile Impurity	1-[[[(1R)-1-[3-[(1E)-2-(7-Chloro-2-quinolinyl)ethenyl]phenyl]-3-[2-(1-hydroxy-1-methylethyl)phenyl]propyl]thio]methyl]cyclopropaneacetone trile	866923-62-8	C35H35ClN2OS	567.18
1-(Mercaptomethyl)Cyclopropaneacetone trile	2-(1-(Mercaptomethyl)cyclopropyl)acetone nitrile	866923-64-0	C6H9NS	127.21
Montelukast Amide	1-[[[(1R)-1-[3-[(1E)-2-(7-Chloro-2-quinolinyl)ethenyl]phenyl]-3-[2-(1-hydroxy-1-methylethyl)phenyl]propyl]thio]methyl]cyclopropaneacetamide ;	866923-63-9	C35H37ClN2O2 S	585.20
Montelukast Sulfone	1-[[[1-[3-[2-(7-Chloro-2-quinolinyl)ethenyl]phenyl]-3-[2-(1-hydroxy-1-methylethyl)phenyl]propyl]sulfonyl]methyl]cyclopropaneacetic Acid ;	1266620-74-9	C35H36ClNO5S	618.18
Montelukast Acid	(R-(E))-1-(((1-(3-(2-(7-Chloro-2-quinolinyl)ethenyl)phenyl)-3-(2-(1-hydroxy-1-methylethyl)phenyl)propyl)thio)methyl)cyclopropaneacetic acid ; 2-[1-[[[(1R)-1-[3-[(E)-2-(7-Chloroquinolin-2-yl)ethenyl]phenyl]-3-[2-(2-	158966-92-8	C35H36ClNO3S	586.18
Montelukast R,S- Isomer	NA	NA	C41H46ClNO5S 2	732.41

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Montelukast Sulfoxide	[1-[[[1-[3-[(E)-2-(7-chloroquinolin-2-yl)ethenyl]phenyl]-3-[2-(2-hydroxy-ypropan-2-yl)phenyl]propyl]sulfinyl]methyl]cyclopropyl]acetic acid ;	909849-96-3	C35H36ClNO4S	602.18
Montelukast Chloro Alcohol Impurity	NA	880769-28-8	C29H27Cl2NO	476.45
MOXIFLOXACIN				
Moxifloxacin EP Impurity A	1-Cyclopropyl-6,8-difluoro-7-[(4aS,7aS)-octahydro-6H- pyrrolo[3,4-b]pyridin-6-yl]-4-oxo-1,4-dihydroquinoline-3- carboxylic acid HCl ;	151213-15-9	C20H21F2N3O3	389.40
Moxifloxacin EP Impurity B	1-Cyclopropyl-6,8-dimethoxy-7-[(4aS,7aS)-octahydro-6H- pyrrolo[3,4-b]pyridin-6-yl]-4-oxo-1,4-dihydroquinoline-3- carboxylic acid HCl ;	1029364-73-5	C22H27N3O5	413.47
Moxifloxacin EP Impurity C	1-Cyclopropyl-8-ethoxy-6-fluoro-7-[(4aS,7aS)-octahydro- 6H-pyrrolo [3,4-b]pyridin-6-yl]-4-oxo-1,4-dihydroquinoline- 3-carboxylic acid HCl	1029364-75-7	C22H26FN3O4	415.46
Moxifloxacin EP Impurity D	1-Cyclopropyl-8-fluoro-6-methoxy-7-[(4aS,7aS)-octahydro- 6H- pyrrolo [3,4-b]pyridin-6-yl]-4-oxo-1,4-dihydroquinoline- 3-carboxylic acid hydrochloride ;	1029364-77-9	C21H25ClFN3O 4	437.15
Moxifloxacin EP Impurity E	7-[(4aS,7aS)-octahydro-1H-pyrrolo[3,4-b]pyridin-6-yl]-1- cyclopropyl-6-fluoro-8-hydroxy-4-oxo-1,4-dihydroquinoline- 3-carboxylic acid	721970-36-1	C20H22FN3O4	387.41
Moxifloxacin impurity P	ent-Moxifloxacin;Moxifloxacin isoMer;(4R,7R)- Moxifloxacin;Moxifloxacin impurity P;Moxifloxacin (R,R)- Isomer;(4R,7R)-Moxifloxacin Hydrochloride 2;1- Cyclopropyl-6- fluoro-1,4-dihydro-8-methoxy-7-[(4aR,7aR)- octahydro-6H-	268545-13-7	C21H24FN3O4	401
Moxifloxacin Difluoro Methoxy Acid Impurity	1-Cyclopropyl-6,7-difluoro-1,4-dihydro-8-methoxy-4-oxo-3- quinoline carboxylic acid ;	112811-72-0	C14H11F2NO4	295.24
Moxifloxacin 8- Hydroxy Quinolic Acid	1-Cyclopropyl-6,7-difluoro-1,4-dihydro-8-hydroxy-4-oxo-3- quinolinecarboxylic Acid	154093-72-8	C13H9F2NO4	281.21
Moxifloxacin N- Methyl Analog	1-Cyclopropyl-6-fluoro-1,4-dihydro-8-methoxy-7- [(4aS,7aS)- octahydro-1-methyl-6H-pyrrolo[3,4-b]pyridin-6- yl]-4-oxo-3- quinolinecarboxylic acid hydrochloride ;	721970-37-2	C22H27ClFN3O 4	451.92
MODAFINIL				
Modafinil Impurity B	2-[(Diphenylmethyl)sulfonyl]acetamide ;	118779-53-6	C15H15NO3S	289.35
Mycophenolate Mofetil EP Impurity F	(4E)-?6-?(4-?Hydroxy-?6-?methoxy-?7-?methyl-?3-?oxo-?1,?3-?dihydro-?2-?benzofuran-?5-?yl)-?4-?methylhex-?4-?enoic acid ;	24280-93-1	C17H20O6	320.34
N	NAPHAZOLINE			
Naphazoline HCl	4,5-Dihydro-2-(1-naphthalenylmethyl)-1H-imidazole Hydrochloride; 4,5-Dihydro-2-(1-naphthalenylmethyl)- 1H- Imidazole Monohydrochloride; 2-(1-Naphthylmethyl)-2- imidazoline Monohydrochloride; 2-(1-Naphthylmethyl)-2- imidazoline	550-99-2	C14H15ClN2	246.74
Naphazoline RC A	N-(2-aminoethyl)-2-(naphthalen-1-yl)acetamide.	36321-43-4	C14H16N2O	228.29

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Naphazoline Impurity B	NA	86-87-3	C12H10O2	186.21
NAPROXEN				
Naproxen EP Impurity A	(?S)-6-Hydroxy-?-methyl-2-naphthaleneacetic Acid ; (S)-2-(6-Hydroxy-2-naphthyl)propionic Acid ; (S)-6-O- Desmethylnaproxen ; (S)-6-Demethylnaproxen	52079-10-4	C13H12O3	216.23
Naproxen Impurity B	(2S)-2-(5-Chloro-6-methoxynaphthalen-2-yl)propanoic acid ;	89617-86-7	C14H13ClO3	264.7
Naproxen Impurity C	(2S)-2-(5-Bromo-6-methoxynaphthalen-2-yl)propanoic acid ;	84236-26-0	C14H13BrO3	309.16
Naproxen Impurity D	(2S)-2-(5-Iodo-6-methoxynaphthalen-2-yl)propanoic acid ;	116883-62-6	C14H13IO3	356.16
Naproxen EP Impurity E	Methyl (2S)-2-(6-methoxynaphthalen-2-yl)propanoate	26159-35-3	C15H16O3	244.29
Naproxen Impurity L	1-(6-Methoxy-2-naphthalenyl)ethanone; 2-Acetyl-6-methoxynaphthalene; 6-Acetyl-2-methoxynaphthalene; 6-Methoxy-2-acetylnaphthalene; 6-Methoxy-2-naphthyl Methyl Ketone; NSC 105564; Naproxen Impurity L;	3900-45-6	C13H12O2	200.23
Naproxen Impurity N	2-Bromo-6-methoxynaphthalene ;2-Methoxy-6- bromonaphthalene; 6-Methoxy-2-bromonaphthalene; NSC 3236; Naproxen Impurity N;	5111-65-9	C11H9BrO	237.09
Naproxen Aldehyde Impurity	2-(2-Methoxynaphalen-6-yl)propanal	27602-75-1	C14H14O2	214.26
NATEGLINIDE				
Nateglinide Impurity E	N-[(Trans-4-Ethylcyclohexyl)carbonyl]-D-phenylalanine ;	105746-45-0	C18H25NO3	303.4
Nateglinide Impurity G	Ethyl-N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-D-phenylalaninate ;	187728-85-4	C21H31NO3	345.48
NADOLOL				
Nadolol Impurity G	(2RS)-1-[[1,1-dimethylethylamino]-3-[(5,6,7,8tetrahydronaphthalen-1-yl)oxy]propan-2-ol ;	33841-03-1	C17H27NO2	277.4
NARINGENIN				
Naringenin	(S)2,3-Dihydro-5,7-dihydroxy-2-(4-hydroxyphenyl)-4H-1-benzopyran-4-one; Flavanone, 4,5,7-trihydroxy- (8CI); Naringenin; (-)-(2S)-Naringenin; (-)-Naringenin; (2S)- 4,5,7-Trihydroxy-flavanone; (2S)-Naringenin; NSC 11855; NSC 34875; Naringenine;	480-41-1	C15H12O5	272.25
Nevirapine Impurity B	4-Methyl-5,11-dihydro-6H-dipyrido[3,2-b:2',3'- e][1,4]diazepin-6-one ;	287980-84-1	C12H10N4O	226.23
Nor Neostigmine	Dimethylcarbamic Acid 3-(Dimethylamino)phenyl Ester; Dimethylcarbamic Acid m-(Dimethylamino)phenyl Ester; 3-(Dimethylamino)phenyl Dimethylcarbamate; Norneostigmine;	16088-19-0	C11H16N2O2	208.26

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
NEBIVOLOL				
Nebivolol Impurity A	Nebivolol Impurity A;(1S)-1-[(2S)-6-fluoro-3,4-dihydro-2H-1-benzopyran-2-yl]-2-[[[(2S)-2-[(2S)-6-fluoro-3,4-dihydro-2H-1-benzopyran-2-yl]-2-hydroxyethyl]amino]ethan-1-ol];	118457-16-2	C22H25F2NO4	405.45
Nebivolol Spot A	[1S*(S*)]-6-Fluro-3,4dihydro-2-Oxiranyl-2H-1Benzopyran	NA	C11H11FO2	194.21
Nebivolol Impurity B	[2S-[2R*[R*[S*(R*)]]]-?,?-[Iminobis(methylene)]bis[6- fluoro-3,4-dihydro-2H-1-benzopyran-2-methanol];	119365-25-2	C22H25F2NO4	405.44
Nebivolol (R,S,S,S)- Isomer	(?S,?S,2R,2S)-?,?-[Iminobis(methylene)]bis[6- fluoro-3,4-dihydro-2H-1-benzopyran-2-methanol ;	920299-33-8	C22H25F2NO4	405.44
NITRAZEPAM				
Nitrazepam Impurity C	N-(2-Benzoyl-4-nitrophenyl)-2-bromoacetamide; 2-Benzoyl-2-bromo-4-nitroacetanilide	2011-70-3	C15H11BrN2O4	363.16
NICOTINE				
Nicotine Impurity B	Nicotyrine;3-(1-Methyl-1H-pyrrol-2-yl)pyridine; 3-(1- Methylpyrrol-2-yl)pyridine; Nicotyrine; 3,2-Nicotyrine;	487-19-4	C10H10N2	158.21
Nicotine 1-oxide	(1S,2S)-1-methyl-2-(pyridin-3-yl)pyrrolidine 1-oxide	51095-86-4	C10H14N2O	178.23
NIZATIDINE				
Nizatidine Impurity I	N-[2-[[[2-[[[Dimethylamino) methyl]thiazol-4-yl] methyl]sulphonyl] ethyl]-N?-methylurea ;	82586-81-0	C11H20N4CS2	288.43
Nintedanib Desmethyl Piperazine Impurity	N-(4-aminophenyl)-N-methyl-2-(piperazin-1-yl)acetamide.	NA	C13H20N4O	248.33
Nintedanib N- Methyl Aniline Impurity	N-methyl-N-[4-(methylamino)phenyl]-2-(4- methylpiperazin-1-yl)acetamide.	NA	C15H24N4O	276.38
Hydroxydehydro Nifedipine Carboxylate	2-(Hydroxymethyl)-6-methyl-4-(2-nitrophenyl)-3,5-pyridinedicarboxylic Acid 5-Methyl Ester;4-(2-Nitrophenyl)- 2-hydroxymethyl-5-methoxycarbonyl -6-methylpyridine-3-carboxylic Acid;	34783-31-8	C16H14N2O7	346.29
Nifedipine	1,4-Dihydro-2,6-dimethyl-4-(2-nitrophenyl)-3,5- pyridinedicarboxylic Acid Dimethyl Ester; Adalate; Aldipine; Anifed; Cardiate;	21829-25-4	C17H18N2O6	346.33
NIMESULIDE				
Nimesulide Impurity E	N,N-bis(Methylsulphonyl)-2-phenoxyaniline ;	NA	C14H15NO5S2	341.4
Nimesulide Impurity D	4-Nitro-2-phenoxyaniline ;	NA	C12H10N2O3	230.22
NORADRENALIN				

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Noradrenalin Impurity E	Chloroacetyl catechol; Chloroaceto catechol; Chloroacetyl catechol; 2-Chloro-3',4'-dihyd;	99-40-1	C8H7ClO3	186.59
Noradrenalin Impurity F	N-benzyl-1-phenylmethanamine	20455-68-9	C14H15N	20455-68-9
NORFLOXACIN				
Norfloxacin EP Impurity A	7-Chloro-1-ethyl-6-fluoro-4-oxo-1,4-dihydroquinoline-3- carboxylic acid	68077-26-9	C12H9ClFN3O3	269.66
Norfloxacin EP Impurity C	1-Ethyl-4-oxo-6,7-bis(piperazin-1-yl)-1,4-dihydroquinoline- 3- carboxylic acid	177554-64-2	C20H27N5O3	385.47
Norfloxacin EP Impurity E	7-Chloro-1-ethyl-4-oxo-6-(piperazin-1-yl)-1,4- dihydroquinoline-3- carboxylic acid HCl ;	75001-78-4	C16H18ClN3O3 . HCl	335.79
Norfloxacin EP Impurity F	Norfloxacin 6-Chloro Analog ; 6-Chloro-1-ethyl-4-oxo-7- (piperazin-1-yl)-1,4-dihydroquinoline-3-carboxylic acid ;	NA	C16H18ClN3O3	335.79
Norfloxacin EP Impurity G	1-Ethyl-6-fluoro-7-(4-formylpiperazin-1-yl)-4-oxo-1,4- dihydroquinoline-3-carboxylic acid ;	70459-04-0	C17H18FN3O4	347.34
Norfloxacin EP Impurity H	7-[4-(Ethoxycarbonyl)piperazin-1-yl]-1-ethyl-6-fluoro-4-oxo- 1,4- dihydro quinoline-3-carboxylic acid ;	105440-01-5	C19H22FN3O5	391.39
Norfloxacin imp 1	6-Chloro-1-Ethyl-4-Oxo-7-(Piperazin-1-yl)-1,4- Dihydroquinoline-3- Carboxylic acid	67681-84-9	C16H18ClN3O3	335.79
OFLOXACIN				
o Ofloxacin EP Impurity A	Ofloxacin EP Impurity A ; Ofloxacin Difluoro Carboxylic Acid ; (RS)-9,10-Difluoro-3-methyl-7-oxo-2,3-dihydro-7H- pyrido[1,2,3-de][1,4]benzoxazine-6-carboxylic acid (FPA) ;	82419-35-0	C13H9F2NO4	281.21
Ofloxacin EP Impurity B	Ofloxacin EP Impurity B ; Ofloxacin Descarboxyl Impurity ; (RS)-9-Fluoro-2,3-dihydro-3-methyl-10-(4-methyl-1- piperazinyl)-7-oxo-7H- pyrido[1,2,3-de]-1,4-benzoxazine ;	123155-82-8	C17H20FN3O2	317.36
Ofloxacin EP Impurity C	Ofloxacin EP Impurity C ; Ofloxacin Desfluoro Impurity ; (RS)-2,3-Dihydro-3-methyl-10-(4-methyl-1-piperazinyl)-7- oxo-7H- pyrido[1,2,3-de]-1,4-benzoxazine-6-carboxylic acid ;	NA	C18H21N3O4	343.38
Ofloxacin EP Impurity D	Ofloxacin EP Impurity D ; Ofloxacin 10-Fluoro Isomer ; (RS)-10-Fluoro-2,3-dihydro-3-methyl-9-(4-methyl-1- piperazinyl)-7-oxo-7H- pyrido[1,2,3-de]-1,4-benzoxazine-6- carboxylic acid	197291-75-1	C18H20FN3O4	361.37
Ofloxacin EP Impurity E	Ofloxacin EP Impurity E ; Ofloxacin USP Related Compound A ; N-Desmethyl Ofloxacin ; (RS)-9-Fluoro-2,3- dihydro-3-methyl-10-(1-piperazinyl)-7-oxo-7H-pyrido[1,2,3- de]-1,4-benzoxazine-6- carboxylic acid ;	82419-52-1	C17H18FN3O4	347.34
Ofloxacin EP Impurity F	Ofloxacin EP Impurity F ; Ofloxacin N-Oxide ; (RS)-9- Fluoro-2,3- dihydro-3-methyl-10-(4-methyl-1-piperazinyl)-7- oxo-7H- pyrido[1,2,3-de]-1,4-benzoxazine-6- carboxylic acid N-oxide ;	104721-52-0	C18H20FN3O5	377.37
Defluoro Levofloxacin	(3S)-2,3-Dihydro-3-methyl-10-(4-methyl-1-piperazinyl)-7- oxo-7H- pyrido[1,2,3-de]-1,4-benzoxazine-6-carboxylic Acid; Levofloxacin Related Compound F (USP),	117620-85-6	C18H21N3O4	343.38

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Ofloxacin N-Oxide	Ofloxacin EP Impurity F ; (RS)-9-Fluoro-2,3-dihydro-3- methyl-10-(4-methyl-1-piperazinyl)-7-oxo-7H-pyrido[1,2,3- de]-1,4-benzoxazine-6-carboxylic acid N-oxide ;	104721-52-0	C18H20FN3O5	377.37
Ofloxacin Ethyl Ester	NA	107884-32-2	C20H24FN3O4	389.42
Ofloxacin Desfluoro	2,3-Dihydro-3-methyl-10-(4-methyl-1-piperazinyl)-7-oxo- 7H-pyrido[1,2,3-de]-1,4-benzoxazine-6-carboxylic acid	95848-94-5	C18H21N3O4	343.38
OLANZAPINE				
Olanzapine EP Impurity B	2-Methyl-10H-thieno-[2,3-b][1,5]benzodiazepin-4[5H]-one ;	221176-49-4	C12H10N2OS	230.29
Olanzapine EP Impurity A	5-Methyl-2-((2-nitrophenyl)amino)-3-thiophenecarbonitrile ;	138564-59-7	C12H9N3O2S	259.28
Olanzapine EP Impurity C	Olanzapine N-Chloromethyl Chloride ; 1-(Chloromethyl)-1- methyl-4-(2-methyl-10H-thieno[2,3-b]-[1,5]benzodiazepin- 4-yl)piperazin-1-ium chloride ;	719300-59-1	C18H22Cl2N4S	397.37
N-Demethyl-N-Formylolanzapine	4-(2-Methyl-10H-thieno[2,3-b][1,5]benzodiazepin-4-yl)-1-piperazinecarboxaldehyde.	639460-79-0	C17H18N4OS	326.42
Olanzapine N- Desmethyl Analog	2-Methyl-4-(1-piperazinyl)-10H-thieno[2,3- b][1,5]benzodiazepine ;	161696-76-0	C16H18N4S	298.41
Ethanone, 1-[4-(2- Methyl-10H- Thieno[2,3-B][1,5]Benzodiazep in-4-yl)-1-	Ethanone, 1-[4-(2-methyl-10H-thieno[2,3- b][1,5]benzodiazepin-4-yl)-1-piperazinyl]	935272-10-9	C18H20N4OS	340.44
Olanzapine Impurity 1	2-[(2-Aminophenyl)amino]-5-methyl-3-thiophenecarbonitrile;Olanzapine Impurity ;2-(2- Aminoanilino)-5-methylthiophene-3-carbonitrile;2-(2- Aminoanilino)-5-methylthiophene-3-carbonitrile;	873895-41-1	C12H11N3S	229.3
Olanzapine Amine Impurity	4-Amino-2-methyl-10H-thieno[2,3-b][1,5]benzodiazepine HCl ;	138564-60-0	C12H12ClN3S	265.76
OLMESARTAN				
Olmesartan EP Impurity A	Olmesartan Acid ; 4-(2-Hydroxypropan-2-yl)-2-propyl-1- ((4-[2-(2H-1,2,3,4-tetrazol-5-yl)phenyl]phenyl)methyl)-1H- imidazole-5-carboxylic acid ;	144689-24-7	C24H26N6O3	446.5
Olmesartan EP Impurity B	Olmesartan USP RC A ; Olmesartan gama-Lactone ; Olmesartan Lactone ; 3,6-Dihydro-6,6-dimethyl-2-propyl-3- [[2'-(2H-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]-4H- furo[3,4-d]imidazol-4-one ;	849206-43-5	C24H24N6O2	428.49
Olmesartan EP Impurity C	Dehydro Olmesartan Medoxomil ; Anhydro Olmesartan Medoxomil ; Olmesartan Medoxomil Olefinic Impurity (USP) ; Olmesartan Medoxomil Methylvinyl Impurity ; 5- Methyl-2-oxo-1,3-dioxolen-4-yl) methyl 4-(prop-1-en-2-yl)- 2-propyl-1-[[2'-(1H-tetrazol-5-yl)	879562-26-2	C29H28N6O5	540.57
Olmesartan EP Impurity D	Olmesartan EP Impurity D ; N2-Trityl Olmesartan Medoxomil ; 4-(1-Hydroxy-1-methylethyl)-2-propyl-1- [[2'-(2- (triphenylmethyl)-2H-tetrazol-5-yl)[1,1'-biphenyl]-4- yl]methyl]-1H-imidazole-5-carboxylic acid (5-methyl-2-oxo-	1020157-01-0	C48H44N6O6	800.90
Olmesartan Medoxomil Methyl Ether	Olmesartan Medoxomil O-Methyl Analog ; 4-(1-Methoxy-1-methylethyl)-2-propyl-1-[[2'-(2H-tetrazol-5-yl)[1,1'- biphenyl]-4-yl]methyl]-1H-imidazole-5-carboxylic acid (5- methyl-2-oxo-1,3-dioxol-4-yl)methyl ester ;	896419-17-3	C30H32N6O6	572.61

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Olmesartan Ethyl Ester	4-(2-Hydroxypropan-2-yl)-2-propyl-1-({4-[2-(2H-1,2,3,4- tetrazol-5-yl)phenyl]phenyl)methyl}-1H-imidazole-5- carboxylic acid ethyl ester.	144689-23-6	C26H30N6O3	474.55
OMEPRAZOLE				
Omeprazole Impurity E	2-[(RS)-[3,5-dimethylpyridin-2-yl)methyl]sulphonyl]-5- methoxy-1 H-benzimidazole.	NA	NA	NA
ONDANSETRON				
Ondansetron EP Impurity A	(3RS)-3-[(Dimethylamino)methyl]-9-methyl-1,2,3,9- tetrahydro-4H-carbazol-4-one ;	153139-56-1	C16H20N2O	256.34
Ondansetron EP Impurity C	9-Methyl-1,2,3,9-tetrahydro-4H-carbazol-4-one ;	27387-31-1	C13H13NO	199.25
Ondansetron EP Impurity D	9-Methyl-3-methylene-1,2,3,9-tetrahydro-4H-carbazol-4- one ;	99614-64-9	C14H13NO	211.26
Ondansetron EP Impurity E	1H-Imidazole ;	288-32-4	C3H4N2	68.08
Ondansetron EP Impurity F	2-Methyl-1H-imidazole ;	693-98-1	C4H6N2	82.1
Ondansetron EP Impurity G	(3RS)-3-[(1H-Imidazol-1-yl)methyl]-9-Methyl-1,2,3,9- tetrahydro-4H-carbazol-4-one ;	99614-03-6	C17H17N3O	279.34
Ondansetron EP Impurity H	(3RS)-3-[(2-Methyl-1H-imidazol-1-yl)methyl]-1,2,3,9- tetrahydro-4H-carbazol-4-one ;	9614-14-9	C17H17N3	279.34
ORLISTAT				
Orlistat RC B	Orlistat Related Compound B;1,2-Hydrazinedicarboxylic Acid Bis(1-methylethyl) Ester;1,2-Hydrazinethyl) Ester;diisopropyl hydrazine-1,2rbamic Acid Diisopropyl Ester;	19740-72-8	C8H16N2O4	204.22
Orlistat USP RC D	N-Formyl-L-leucine (3S,4R,6S)-tetrahydro-3-hexyl-2-oxo- 6-undecyl-2H-pyran-4-yl ester ;	130793-27-0	C29H53NO5	495.73
OSELTAMIVIR				
Oseltamivir EP Impurity A	(3R,4R,5S)-5-Acetamido-4-amino-3-(1- ethylpropoxy)cyclohex-1-ene-1-carboxylic acid	1364932-19-3	C14H24N2O4	284.4
Oseltamivir Impurity B	Oseltamivir Related Compound B;4-Acetylamino-3- hydroxybenzoic Acid Ethyl Ester;Oseltamivir Phosphate BP Impurity C;Oseltamivir Phenol;Ethyl 4-Acetylamido-3- hydroxybenzoate; Oseltamivir Phosphate BP Impurity C	1346604-18-9	C11N13NO4	223.23
Oseltamivir EP Impurity C	(3R,4R,5S)-4-(Acetylamino)-5-amino-3-(1-ethylpropoxy)-1-cyclohexene-1-carboxylic Acid; Oseltamivir Carboxylic Acid; GS 4071; Ro 64-0802; Oseltamivir Carboxylate; Oseltamivir EP Impurity C;	187227-45-8	C14H24N2O4	284.4
Oseltamivir EP Impurity D	Ethyl 4-Acetylamido-3-hydroxybenzoate; Oseltamivir Phosphate BP Impurity D; Oseltamivir EP Impurity D;	1346604-18-9	NA	223.23

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Oseltamivir EP Impurity E	Oseltamivir EP Impurity E;	208720-71-2	C15H26N2O4	298.38
OXYMETAZOLINE				
Oxymetazoline EP Impurity A	Oxymetazoline BP Impurity A ; Oxymetazoline USP RC A ; N-(2-Aminoethyl)-2-[4-(1,1-dimethylethyl)-3-hydroxy-2,6-dimethylphenyl]acetamide ;	1391053-50-1	C16H26N2O2	278.39
Oxymetazoline EP Impurity B	Oxymetazoline BP Impurity B ; Xylometazoline ; 2-[[4-(1,1-Dimethylethyl)-2,6-dimethylphenyl]methyl]-4,5-dihydro-1H-imidazole ;	NA	C16H24N2	244.38
Oxymetazoline EP Impurity C	Oxymetazoline BP Impurity C ; 2-[4-(1,1-Dimethylethyl)-3- hydroxy-2,6-dimethylphenyl]acetamide ;	55699-13-3	C14H21NO2	235.32
Oxymetazoline EP Impurity D	Oxymetazoline BP Impurity D ; 2-[4-(1,1-Dimethylethyl)-3- hydroxy-2,6-dimethylphenyl]acetic acid	55699-12-2	C14H20O3	236.31
Oxymetazoline EP Impurity E	Oxymetazoline BP Impurity E ; 2-[4-(1,1-Dimethylethyl)-3- hydroxy-2,6-dimethylphenyl]acetonitrile ;	55699-10-0	C14H19NO	217.31
OXCARBAZEPINE				
Oxcarbazepine EP Impurity C	5,11-Dihydro-10H-dibenzo[b,f]azepin-10-one ;	21737-58-6	C14H11NO	209.24
Oxcarbazepine EP Impurity F	10-Methoxy-5H-dibenzo[b,f]azepine-5-carbonylchloride ;	28721-08-6	C16H12ClNO2	285.72
Oxcarbazepine EP Impurity G	5-Ethyl-10-methoxy-5H-dibenzo[b,f]azepine ;	15882-79-8	C17H17NO	251.32
Oxcarbazepine EP Impurity I	11-Keto Oxcarbazepine ; 10,11-Dioxo-10,11-dihydro- 5H-dibenzo[b,f]azepine-5-carboxamide ;	537693-29-1	C15H10N2O3	266.25
Oxcarbazepine EP Impurity L	Oxcarbazepine USP RC B ; N-Ethanone Oxcarbazepine ; N-Acetyl-10-oxo-10,11-dihydro-5H-dibenzo[b,f]azepine-5- carboxamide ;	NA	C17H14N2O3	294.30
10-Methoxy Carbamazepine	Oxcarbazepine IPurity C;10-Methoxy-5H- dibenz[b,f]azepineine; 28721-09-7; 10-methoxy-5h- dibenzo[b,f]azepineMethoxy Carbamazepine; 10-Methoxy- 5H-dibenz[b,f]azepine-5-carboxamide;	28721-09-7	C16H14N2O2	266.29
N-Formyl Oxcarbazepine	Oxcarbazepine USP relat-dihydro-5H-dibenzo[b,f]azepine- 5-carboxamide.	1346601-76-0	C16H12N2O3	280.28
OXALIPLATIN				
Oxaliplatin EP Impurity B	(SP-4-2)-Diaqua[(1R,2R)-cyclohexane-1,2-diamine-?N?N?]platinum.	NA	C6H18N2O2Pt	345.30
Oxaliplatin EP Impurity D	NA	NA	C8H14N2O4Pt	397.30
OXYBUTYNIN				

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Oxybutynin USP RC A	(RS)-2-Cyclohexyl-2-hydroxy-2-phenylacetic acid ; Phenylcyclohexylglycolic acid ;	4335-77-7	C14H18O3	234.29
Oxybutynin EP Impurity C	Oxybutynin USP RC C ; 4-(Ethylmethylamino)but-2-ynyl (RS)-2-cyclohexyl-2-hydroxy-2-phenylacetate HCl ; Methyl ethyl Analogue of Oxybutynin HCl ;	NA	C21H30ClNO3	379.92
Oxybutynin Impurity D	(RS)-2-Cyclohexyl-2-hydroxy-2-phenylacetic acid ; Phenylcyclohexylglycolic acid ;	4335-77-7	C14H18O3	234.29
Oxazepam Related C	6-Chloro-4-phenylquinazoline-2-carbaldehyde, 6-Chloro-4-phenylquinazoline-2-carboxaldehyde	5958-05-4	C15H9ClN2O	268.70
PAROXETINE				
P Paroxetine Impurity A	(3S,4R)-3-[(1,3-Benzodioxol-5-yloxy)methyl]-4- phenylpiperidine HCl ;	324024-00-2 (base)	C19H21NO3	311.37
Paroxetine USP RC F	(3S,4R)-N-Methyl Paroxetine ; (3S,4R)-trans-(-)-1-Methyl-3-[1,3-benzodioxol-5-yloxy)methyl]-4-(fluorophenyl) piperidine ;	110429-36-2	C20H22FNO3	343.39
	1-Piperidinecarboxylic Acid,3-[(1,3-Benzodioxol-5- Yloxy)Methyl]-4-(4-Fluorophenyl)-, Methyl Ester	887140-77-4	C21H22FNO5	387.15
PALONOSETRON				
Palonosetron Impurity A	N-[(S)-1-Azabicyclo[2.2.2]oct-3-yl]-5,6,7,8-tetrahydro-1-naphthylenecarboxamide	135729-78-1	C??H??N?O	284.4
Palonosetron Impurity B	(3aR,3S)-Palonosetron Formate Salt ; (3aR)-2-[(3S)-1-Azabicyclo[2.2.2]oct-3-yl]-2,3,3a,4,5,6-hexahydro-1H-	135755-51-0 (HCl salt)	C20H26N2O3	342.43
Palonosetron USP RC E	(S)-2-(1-Azabicyclo[2.2.2]oct-3-yl)-2,4,5,6-tetrahydro-1H-benz[de]isoquinolin-1-one Monohydrochloride ; 2-[(3S)- Quinuclidin-	135729-55-4	C19H23ClN2O	330.85
Palonosetron Enantiomer	(3aR)-2-[(3R)-1-Azabicyclo[2.2.2]oct-3-yl]-2,3,3a,4,5,6-hexahydro-1H-benz[de]isoquinolin-1-one HCl ;	135729-75-8	C19H25ClN2O	332.87
Palonosetron Methyl Ester	Methyl 5,6,7,8-tetrahydronaphthalene-1-carboxylate	66193-59-7	C12H14O2	190.24
PALIPERIDONE				
Paliperidone N- Oxide	Paliperidone USP Related Compound D ; Paliperidone N- Oxide ; 3-[2-[4-(6-Fluoro-1,2-benzisoxazol-3-yl) piperidin-1-	761460-08-6	C23H27FN4O4	442.48
Paliperidone Stearate	3-[2-[4-(6-fluoro-1,2-benzoxazol-3-yl)piperidin-1-yl]ethyl]-9- hydroxy-2-methyl-6,7,8,9-tetrahydropyrido[1,2-a]pyrimidin-4-	1172995-13-9	C41H62FN4O5	709.96
Paliperidone Myristate	3-[2-[4-(6-fluoro-1,2-benzoxazol-3-yl)piperidin-1-yl]ethyl]-9- hydroxy-2-methyl-6,7,8,9-tetrahydropyrido[1,2-a]pyrimidin-4-	1172995-11-7	C37H54FN4O5	653.86
Paliperidone 9- Keto Impurity	Paliperidone 9-Keto Impurity ; 9-Keto Paliperidone ; 9-Keto Risperidone ; 3-[2-[4-(6-Fluoro-1,2-benzisoxazol-3-yl)-1-	1189516-65-1	C23H25FN4O3	424.47
PACLITAXEL				
Paclitaxel EP Impurity H	10-O-Deacetyl-7-epi-paclitaxel ;	78454-17-8	C45H49NO13	811.87
Paclitaxel Impurity G	10-O-Deacetylpaclitaxel ;	78432-77-6	C45H49NO13	811.87
PARACETAMOL				
Paracetamol	NA	103-90-2	C8H9NO2	151.2
Paracetamol EP Impurity A	NA	614-80-2	C8H9NO2	151.2
Paracetamol EP Impurity B	NA	1693-37-4	C9H11NO2	165.2
Paracetamol EP Impurity C	NA	3964-54-3	C8H8ClNO2	185.6
Paracetamol EP Impurity D	NA	103-84-4	C8H9NO	135.2
Paracetamol EP Impurity F	NA	100-02-7	C6H5NO3	139.1

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Paracetamol EP Impurity G	NA	198712-64-0	C8H9NO2	151.2
Paracetamol EP Impurity H	NA	2623-33-8	C10H11NO3	193.2
Paracetamol EP Impurity I	NA	118-93-4	C8H8O2	136.2
Paracetamol EP Impurity J	NA	539-03-7	C8H8ClNO	169.6
Paracetamol EP Impurity K	NA	123-30-8	C6H7NO	109.1
2-Chloro-4,6-Dimethoxy-1,3,5-Triazine	CDMT;NSC 46520;AKOS 89995;6-diMethoxy-1,5-triazine (CDMT);2-Chloro-4,6-dimetho;Chlorodimethoxytriazine;2-CHLORO-4,6-	3140-73-6	C5H6ClN3O2	175.57
PEMETREXED				
Pemetrexed Acid Methyl Ester	4-[2-(2-Amino-4,7-dihydro-4-oxo-1H-pyrrolo[2,3-d]pyrimidin-6-yl)ethyl] benzoic acid methyl ester ;	155405-80-4	C16H16N4O3	312.32
N-Methyl Pemetrexed	N-[4-[2-(2-Amino-4,7-dihydro-1-methyl-4-oxo-1H-pyrrolo[2,3-d]pyrimidin-5-yl)ethyl]benzoyl]-L-glutamic Acid; Pemetrexed EP	869791-42-4	C21H23N5O6	441.44
PERINDOPRIL				
Perindopril EP Impurity A	1 Perindopril EP Impurity A ; Ramipril Bicyclic Acid ; (2S,3aS,7aS)-Octahydro-1H-indole-2-carboxylic acid ;	80875-98-5	C9H15NO2	169.22
Perindopril EP Impurity B	Perindoprilat ; Perindopril Diacid ; (2S,3aS,7aS)-1-[[2S]-2-[[[1S]-1-Carboxybutyl]amino]propanoyl]octahydro-1H-indole-2-carboxylic	95153-31-4	C17H28N2O5	340.41
Perindopril EP Impurity C	Perindoprilat Lactam A ; Perindopril (10aS)-Dione Acid ; (2S)-2-[(3S,5aS,9aS,10aS)-3-Methyl-1,4-	129970-99-6	C17H26N2O4	322.4
Perindopril EP Impurity D	Perindoprilat Lactam B ; Perindopril (10aR)-Dione Acid ; (2S)-2-[(3S,5aS,9aS,10aR)-3-Methyl-1,4-	130061-28-8	C17H26N2O4	322.4
Perindopril EP Impurity E	Perindopril Isopropyl Ester ; (2S,3aS,7aS)-1-[(2S)-2-[[[1S]-1-[(1-Methylethoxy)carbonyl]butyl]amino]propanoyl]octahydro-1H-	1356837-89-2	C20H34N2O5	382.49
Perindopril EP Impurity F	Perindopril Diketopiperazine ; Perindopril (10aS)-Dione ; Ethyl (2S)-2-[(3S,5aS,9aS,10aS)-3-methyl-1,4-	129970-98-5	C19H30N2O4	350.45
Perindopril EP Impurity H	(2S,3aS,7aS)-1-[(2S)-2-[(5RS)-3-cyclohexyl-2(cyclohexylimino)-4-oxo-5-propylimidazolidin-1-	353777-64-7	C30H48N4O4	528.73
Perindopril EP Impurity K	Perindopril EP Impurity K ; Perindopril USP Related Compound K ; (3S,5aS,9aS,10aS)-3- Methyldecahydroprazino[1,2-a]indole-1,4-	NA	C12H18N2O2	222.28
PHENYLEPHRINE				
Phenylephrine EP Impurity C	Phenylephrine Hydrochloride;1-(3-Hydroxyphenyl)-2-(methylamino)ethanone Hydrochloride; 3'-Hydroxy-2-	94240-17-2	C9H12ClNO2	201.65
Phenylephrine Impurity E	2-[Benzyl(Methyl)amino]-1-(3-Hydroxyphenyl)ethanone Hydrochloride.	NA	C9H13NO2	167.21
Phenytoin RC-A	2-amino-2,2-diphenylacetic acid	3060-50-2	C14H13NO2	227.26
PIROXICAM				
Piroxicam Impurity E	Ethyl (1,1-dioxido-3-oxo-1,2-benzisothiazol-2(3H)-yl)acetate ;	NA	C11H11NO5S	269.27
PINDOLOL				
Pindolol Impurity B	1-[4-[2-Hydroxy-3-[(1-methyl-ethyl)amino]propoxy]-1H-indol-1-yl]-3-[[1-methylethyl]amino]propan-2-ol	130115-63-8	C20H33N3O3	363.5
Pindolol Impurity C	1,1'-[(1-Methylethyl)imino]bis[3-(1H-indol-4-yloxy)propan-2-ol]	130115-65-0	C25H31N3O4	437.54
Pindolol Impurity D	NA	61212-32-6	C11H13NO3	207.23
Pindolol Impurity F	NA	130115-66-1	C11H12ClNO2	225.67
PITAVASTATIN				
Pitavastatin Z- Isomer	(Z)-Pitavastatin Calcium Salt;	1159588-21-2	C25H23FNO4	420.54
Pitavastatin Desfluoro Impurity	(3R,5S,E)-7-(2-cyclopropyl-4-phenylquinolin-3-yl)-3,5- dihydroxyhept-6-enoate	847849-67-6	C25H24NO4	403.47
Pitavastatin Methyl Ester	methyl (3R,5S,E)-7-(2-cyclopropyl-4-(4-fluorophenyl)quinolin-3-yl)-3,5-dihydroxyhept-6-enoate	849811-78-5	C26H26FNO4	435.5
Pitavastatin Lactone	(4R,6S)-6-((E)-2-(2-cyclopropyl-4-(4-fluorophenyl)quinolin-3-yl)vinyl)-4-hydroxytetrahydro-2H-pyran-2-one;(4R,6S,E)-6-[2-[2-	141750-63-2	C25H22FNO3	403.45

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Pitavastatin T-Butyl Ester	(3R,5S,6E)-7-[2-(Cyclopropyl-4-(4-fluorophenyl)quinolin-3-yl)]-3,5-dihydroxyhept-6-enoic acid t-butyl ester	586966-54-3	C29H32FNO4	477.57
PIOGLITAZONE				
Pioglitazone EP Impurity B	Didehydro Pioglitazone Impurity ; 5-[4-[2-(5-Ethyl-2-pyridinyl)ethoxy]benzylidene]-2,4-thiazolidinedione.	144809-28-9 ; CAS # 627502-	C19H18N2O3S	354.42
Pioglitazone EP Impurity C	N-Alkyl Pioglitazone ; 5-[[4-[2-(5-Ethyl-2-pyridinyl)ethoxy]phenyl]methyl]-N-[2-(5-ethylpyridin-2-yl)ethyl]-2,4-	952188-00-0	C28H31N3O3S	489.63
Pioglitazone Metabolite	5-(4-Hydroxybenzyl)-1,3-thiazolidine-2,4-dione ;	74772-78-4	C10H9NO3S	223.25
Pioglitazone N- Oxide	5-[[4-[2-(5-Ethyl-2-pyridinyl)ethoxy]phenyl]methyl]-2,4-thiazolidinedione N-oxide ;	145350-09-0	C19H20N2O4S	372.44
POMALIDOMIDE				
Pomalidomide Impurity 1	3-Aminophthalic Anhydride; 4-Amino-1,3-isobenzofurandione; NSC 403250	17395-99-2	C8H5NO3	163.13
Pomalidomide Impurity-2	2-(4-amino-1,3-dioxoisindolin-2-yl)-4-carbamoylbutanoic acid	NA	C13H13N3O5	291.26
Pomalidomide Impurity 3	4-amino-5-hydroxy-2-(2,6-dioxopiperidin-3-yl)isoindoline-1,3- dione	NA	C13H11N3O5	289.24
Pomalidomide Impurity-4	2-(4-Amino-1,3-dihydro-1-oxo-2H-isoindol-2-yl)pentanedioic acid	295357-66-3	C13H14N2O5	278.26
PROGESTERONE				
Progesterone Impurity 1	3-Ethoxy-17-hydroxy-pregna-3,5-dien-20-one Acetate	16319-93-0	C25H36O4	400.55
PROPAFENONE				
Propafenone EP Impurity A	1-(2-Hydroxyphenyl)-3-phenylpropan-1-one.	3516-95-8	C15H14O2	226.27
Propafenone EP Impurity B	(2E)-1-[2-[(2RS)-2-Hydroxy-3-(propylamino)propoxy]phenyl]-3-phenylprop-2-en-1-one ;	88308-22-9 (Z/E base) ; 1331636-	C21H25NO3	339.43
Propafenone EP Impurity C	1-[2-[[[(2RS)-Oxiranyl]methoxy]phenyl]-3-phenylpropan-1-one ;	22525-95-7	C18H18O3	282.33
Propafenone EP Impurity D	1-[2-[(2RS)-2,3-Dihydroxypropoxy]phenyl]-3-phenylpropan-1- one ;	91401-73-9	C18H20O4	300.35
Propafenone EP Impurity E	1-[2-[(2RS)-3-Chloro-2hydroxypropoxy]phenyl]-3-phenylpropan- 1-one ;	165279-79-8	C18H19ClO3	318.79
Propafenone EP Impurity F	1,1?-[2-Hydroxypropane-1,3-diylbis(oxy-2,1-phenylene)]bis(3-phenylpropan-1-one) ;	1329643-40-4	C33H32O5	C33H32 O5
Propafenone EP Impurity G	1,1?-[Propyliminobis[(2-hydroxypropane-3,1-diyl)oxy-2,1-phenylene]]bis(3-phenylpropan-1-one) ;	1346603-80-2 ;	C39H45NO6	623.78
Propafenone EP Impurity H	(2RS)-2-Phenyl-2,3-dihydro-4H-1-benzopyran-4-one ;	487-26-3	C15H12O2	224.25
N-Despropyl Propafenone HCl	NA	1188263-52-6	C18H21NO3. HCl	299.37 36.46
5-Hydroxy Propafenone Hydrochloride	1-[5-Hydroxy-2-[2-hydroxy-3-(propylamino)propoxy]phenyl]-3-phenyl-1-propanone Hydrochloride; GPV 129;	86384-10-3	C21H28ClNO4	393.9
PROPOFOL				
Propofol EP Impurity A	2,4-Bis(1-methylethyl)phenol	2934-05-06	C12H18O	178.27
Propofol EP Impurity B	2-(1-Methylethenyl)-6-(1-methylethyl)phenol ;	74926-89-9	C12H16O	176.25
Propofol EP Impurity C	2-(1-Methylethyl)phenol ;	88-69-7	C9H12O	136.19
Propofol EP Impurity D	Propofol BP Impurity D ; 2,5-Bis(1-methylethyl)phenol ;	35946-91-9	C12H18O	178.27
Propofol EP Impurity E	Propofol BP Impurity E ; Propofol USP RC A ; 3,3',5,5'- Tetrakis(1-methylethyl)biphenyl-4,4'-diol ; 3,3'-5,5'- Tetraisopropylidiphenol ;	2416-95-7	C24H34O2	354.53
Propofol EP Impurity G	Propofol BP Impurity G ; Propofol USP RC C ; 2-(1- Methylethoxy)-1,3-bis(1-methylethyl)benzene ; 2,6- Diisopropylphenyl isopropyl ether ;	141214-18-8	C15H24O	220.35
Propofol EP Impurity H	Propofol BP Impurity H ; 4-(1-Methylethyl)phenol ;	99-89-8	C9H12O	136.19
Propofol EP Impurity I	Propofol BP Impurity I ; Oxydibenzene ;	101-84-8	C12H10O	170.21
Propofol EP Impurity J	2,6-Bis(1-methylethyl)benzene-1,4-dione ; 2,6-Diisopropylbenzoquinone ;	1988-11-0	C12H16O2	192.25

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Propofol EP Impurity K	Propofol BP Impurity K ; 1-(1-Methylethoxy)-2-(1-methylethyl)benzene ;	14366-59-7	C12H18O	178.27
Propofol EP Impurity L	Propofol BP Impurity L ; 2,2-Dimethyl-4-(1-methylethyl)-1,3-benzodioxole ;	201166-22-5	C12H16O2	192.25
Propofol EP Impurity M	2,6-Diisopropyl-benzoic Acid; 2,6-Diisopropylbenzoic acid.	92035-95-5	C13H18O2	206.28
Propofol EP Impurity N	Propofol BP Impurity N ; 4-Hydroxy-3,5-bis(1- methylethyl)benzoic acid ;	13423-73-9	C13H18O3	222.28
Propofol EP Impurity O	Propofol BP Impurity O ; 2-(1-Methylethyl)-6 propylphenol ;	74663-48-2	C12H18O	178.27
Propofol EP Impurity P	Propofol BP Impurity P ; 1-Methylethyl 4-hydroxy-3,5-bis(1-methylethyl)benzoate ;	NA	C16H24O3	264.36
PRAZOSIN				
Prazosin Impurity-A	4-Amino-2-chloro-6,7-dimethoxyquinazoline	23680-84-4	C10H10ClN3O2	239.66
Prazosin Impurity-B	1,4-Bis(furan-2-ylcarbonyl)piperazine	31350-27-3	C14H14N2O4	274.27
PRASUGREL				
Prasugrel Desfluoro Hydrochloride	Prasugrel Desfluoro Hydrochloride ; Desfluoro Prasugrel Hydrochloride ; [5-[2-Cyclopropyl-1-phenyl-2-oxoethyl]-6,7- dihydro-	1391053-53-4	C20H22ClNO3S	391.91
Prasugrel HCl Desacetyloxy Impurity	Prasugrel HCl Desacetyloxy Impurity ; 2-Desacetoxy Prasugrel HCl ; 1-Cyclopropyl-2-(6,7-dihydrothieno[3,2-c]pyridin-5(4H)-yl)- 2-(2-fluoro	201049-78-7 (base)	C18H18FNOS (base)	315.41(base)
Prasugrel Thiophene Impurity	5-Methoxy-2-thiophenecarboxaldehyde; 2-Formyl-5-methoxythiophene;	35087-46-8	C6H6O2S	142.18
Prasugrel Fluoro Isomer	[5-[2-Cyclopropyl-1-(4-fluorophenyl)-2-oxoethyl]-6,7-dihydro- 4H-thieno[4,5-c]pyridin-2-yl]acetate ;	1391194-50-5	C20H20FNO3S	373.44
Prasugrel Fluoro CFBK	4-Fluoro-alpha-cyclopropylcarbonylbenzyl bromide	1359829-52-9	C11H10BrFO	257.1
Prasugrel Impurity 1	1-Bromo-5-chloro-1-(2-fluorophenyl)pentan-2-one	1373350-58-3	C11H11BrClFO	293.56
Prasugrel Impurity 2	5-Chloro-1-(2-fluorophenyl)pentan-2-one	1056459-35-8	C11H12ClFO	214.66
Prasugrel Impurity 3	5-[5-Chlor-1-(2-fluorophenyl)-2-oxopentyl]4,5,6,7-tetrahydrothieno[3,2-c]pyridin-2-yl acetate	1056459-37-0	C20H21ClFNO3S	409.9
Prasugrel Impurity 4	1-Cyclopropyl-2-(2-fluorophenyl)ethane-1,2-dione	1391054-37-7	C11H9FO2	192.19
PREGABALIN				
Pregabalin USP RC A	Pregabalin (R)-Isomer ; (R)-(-)-3-(Aminomethyl)-5- methylhexanoic acid ;	148553-51-9	C8H17NO2	159.23
Pregabalin Lactam Impurity	Pregabalin USP Related Compound C ; Pregabalin Lactam Impurity ; 4-(2-Methylpropyl)-2-pyrrolidinone ; 4-Isobutyl-2- pyrrolidinone ;	61312-87-6	C8H15NO	141.21
Pregabalin Impurity 1	2,4-Dicyano-3-isobutyl pentanediamide	185815-56-9	C11H16N2O4	236.27
PROMETHAZINE				
Promethazine Impurity B	(2RS)-N,N-Dimethyl-2-(10H-phenothiazin-10-yl)propan-1-amine hydrochloride ;	5568-90-1	C17H21ClN2S	320.88
Promethazine EP Impurity D	(2RS)-N,N-Dimethyl-1-(10H-phenothiazin-10-yl)propan-2-amine S-oxide ;	7640-51-9	C17H20N2OS	300.42
Promethazine HCl	(2RS)-N,N-Dimethyl-1-(10H-phenothiazin-10-yl)propan-2- amine hydrochloride ;	58-33-3	C17H21ClN2S	320.88
PROPRANOLOL				
Propranolol EP Impurity A	(2RS)-3-(Naphthalen-1-yloxy)propane-1,2-diol ; 3-(1-Naphthalenyloxy)-1,2-propanediol ;	36112-95-5	C13H14O3	218.25
Propranolol EP Impurity C	1,3-bis(Naphthalen-1-yloxy)propan-2-ol ; 1,3-Bis(1-Naphthoxy)- 2-propanol ;	17216-10-3	C23H20O3	344.4
Q	Q ACID			
Q Acid . (Chloro Analog)	3-Quinolinecarboxylic acid, 6,7-dichloro-1-cyclopropyl- 1,4-dihydro-4-oxo	93107-31-4	C13H9Cl2NO3	298.12
Q.Acid (Des Fluoro Impurity)	7-Chloro-1-cyclopropyl-4-oxo-1,4-dihydroquinoline-3- carboxylic acid.	93110-13-5	C13H10ClNO3	263.67 6
QUETIAPINE				

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Quetiapine EP Impurity A	Quetiapine Acetate ; 2-[2-(4-Dibenzo [b,f] [1,4]thiazepin- 11-yl-1-piperazinyl)ethoxy]-ethyl acetate ;	844639-07-2	C23H27N3O3S	425.54
Quetiapine EP Impurity B	Quetiapine DBTP Metabolite ; Quetiapine EP Impurity B ; Quetiapine USP Related Compound B ; Dibenzob,f,f[1,4]thiazepine-	111974-74-4	C17H19Cl2N3S	368.32
Quetiapine EP Impurity D	1,4-bis(Dibenzo[b,f][1,4]thiazepine-11-yl)piperazine ; 11,11'-(1,4-Piperazinediyl)-bis-dibenzo[b,f][1,4]thiazepine	945668-94-0	C30H24N4S2	504.67
Quetiapine EP Impurity F	(2-((2-Aminophenyl)thio)phenyl)(4-(2-(2-hydroxyethoxy)ethyl)piperazin-1-yl)methanone ;	848814-27-7	C21H27N3O3S	401.52
Quetiapine EP Impurity G	Dibenzo[b,f][1,4]thiazepine-11(10-H)-one ;	3159-07-7	C13H9NOS	227.28
Quetiapine EP Impurity H	2-[2-(4-Dibenzo[b,f][1,4]thiazepin-11-yl-1-piperazinyl)ethoxy]ethanol N-oxide ;	1076199-40-0	C21H25N3O3S	399.51
Quetiapine EP Impurity I	Quetiapine Desethoxy Impurity (USP) ; Quetiapine Alcohol Impurity ; Quetiapine Ethanol Impurity ; 11-[4-(2-	329216-67-3	C19H21N3OS	339.45
Quetiapine EP Impurity L	9-Chloro Quetiapine ; 2-(2-(4-(9- Chlorodibenzo[b,f][1,4]thiazepin-11-yl)piperazin-1-yl)ethoxy)	1371638-11-7	C21H24ClN3O2S	417.95
Quetiapine EP Impurity N	4-[2-[2-(4-Dibenzo [b,f] [1,4]thiazepin-11-yl-1-piperazinyl)ethoxy]ethyl]-1-[[2-(hydroxyethoxy)ethyl]- piperazine ;	1800291-86-4	C27H37N5O2S	495.68
Quetiapine N- Oxide	2-[2-(4-Dibenzo[b,f][1,4]thiazepin-11-yl-1-piperazinyl)ethoxy]ethanol N-Oxide; Quetiapine EP Impurity H	1076199-40-0	C21H25N3O3S	399.51
Quetiapine EP Impurity P	11-(4-Ethylpiperazin-1-yl)dibenzo[b,f][1,4]thiazepine hydrochloride ;	1011758-03-4	C19H22ClN3S	359.92
Quetiapine EP Impurity S	2-[2-[4-(5-Oxidodibenzo[b,f][1,4]thiazepin-11-yl)-1-piperazinyl]ethoxy]ethanol HCl ;	329216-63-9	C21H25N3O3S;C21H25N3O3S.HC	399.51 ; 435.97
QUINAPRIL				
Quinapril Benzyl Ester	(S)-1,2,3,4-Tetrahydroisoquinoline-3-carboxylic acid benzyl ester HCl ;	103733-30-8	C17H18ClNO2	303.78
Quinapril EP Impurity C	[3S-[2(R*(R*)),3R*]]-2-[2-[(1-Carboxy-3-phenylpropyl)amino]-1-oxopropyl]-1,2,3,4-tetrahydro-3-	82768-85-2	C23H26N2O5	410.46
Quinaprilat Hydrate	Cl-92;ci928;quinaprilat;Quinapril USP RC B;QUINAPRILAT HYDRATE;Quinapril EP Impurity C;Quinapril Related CoMpoUND	82768-85-2	C23H26N2O5	410.47
Salmeterol EP Impurity B	1-[4-Hydroxy-3-(hydroxymethyl)phenyl]-2-[[6-(2-phenylethoxy)hexyl]amino] ethanol ;			
R	RALOXIFENE			
Raloxifene EP Impurity C	[6-Hydroxy-2-(4-hydroxyphenyl)benzo[b]thien-3-yl][4-[2-(1-piperidinyl) ethoxy]phenyl]methanone N-oxide ;	195454-31-0	C28H27NO5S	489.58
Raloxifene N-Oxide	Raloxifene N-Oxide;Raloxifene EP Impurity C;Raloxifene Related CoMpoUND C;Raloxifene Impurity: Impurity B;1-(2-[4-[6-Hydroxy-2-	195454-31-0	C28H27NO5S	489.58268
RAMIPRIL				
Ramipril EP Impurity A	Ramipril USP Related Compound A ; Ramipril Methyl Ester Analog ; (2S,3aS,6aS)-1-[(S)-2-[[[(S)-1-(Methoxycarbonyl)-3-	NA	C22H30N2O5	402.48
Ramipril EP Impurity B	(2S,3aS,6aS)-1-[(S)-2-[[[(S)-1-[(methylethoxy)carbonyl]-3-phenylpropyl]amino] propanoyl]octahydrocyclopenta[b]pyrrole-2-	295328-72-2	C24H34N2O5	430.54
Ramipril EP Impurity E	(2S,3aS,6aS)-1-[(S)-2-[[[(S)-1-carboxy-3-phenylpropyl]amino]propanoyl]octahydrocyclopenta[b]pyrrole- 2-	87269-97-4 (acid)	C21H28N2O5	388.46
Ramipril EP Impurity F	Trandolapril ECPA Impurity ; (2S)-2-[[[(1S)-1-(Ethoxycarbonyl)- 3-phenylpropyl]amino] propanoic acid ; N-[(S)-(+)-1- (Ethoxycarbonyl)-	82717-96-2	C15H21NO4	279.33
Ramipril EP Impurity O	Diethyl 2,2'-(2,5-dimethyl-3,6-dioxopiperazine-1,4-diyl)bis(4-phenylbutanoate) ;	151387-05-2	C30H38N2O6	522.63
Ramipril EP Impurity N	(2R,3aR,6aR)-1-[(S)-2-[[[(S)-1-(ethoxycarbonyl)-3-phenylpropyl]amino]propanoyl]octahydrocyclopenta [b] pyrrole-2-	129939-63-5	C23H32N2O5	416.51
Ramipril EP Impurity B	(2S,3aS,6aS)-1-[(S)-2-[[[(S)-1-[(methylethoxy)carbonyl]-3-phenylpropyl]amino] propanoyl]octahydrocyclopenta[b]pyrrole-2-	295328-72-2	C24H34N2O5	430.54
(R,R,R)-2-AZABICYCLO[3.3.0] OCTANE	(R,R,R)-2-AZABICYCLO[3.3.0]OCTANE-3-CARBOXYLIC ACID, BENZYL ESTER;(2R,3aR,6aR)-Octahydro-cyclopenta[b]pyrrole-2-	129101-19-5	C15H19NO2	245.32
Ramipril EP Impurity C	(2S,3aS,6aS)-1-[(S)-2-[[[(S)-1-(Ethoxycarbonyl)-3-cyclohexylpropyl]amino]propanoyl]octahydrocyclopenta[b]	99742-35-5	C23H39ClN2 O5	459.02
RABEPRAZOLE				
Rabeprazole EP Impurity A	Rabeprazole USP Related Compound D ;Rabeprazole Sulfone ;2-[[4-(3-Methoxypropoxy)-3-methyl-pyridin-2-	117976-47-3	C18H21N3O4	375.44
Rabeprazole EP Impurity B	2-[[4-(3-Methoxypropoxy)-3-methyl-pyridin-2-yl]methylthio]benzimidazole ;	117977-21-6	C18H21N3O2S	343.44
Rabeprazole EP Impurity D	Rabeprazole N-Oxide ; 2-[[[1-Oxide-4-(3- methoxypropoxy)-3-methyl-2-pyridinyl] methyl]sulfinyl]- 1H-benzimidazole ;	924663-38-7	C18H21N3O4S	375.44

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Rabeprazole EP Impurity E	4-Desmethoxypropoxyl-4-Methoxy Rabeprazole ; 2-[[[4-Methoxy-3-methyl-2-pyridinyl)methyl]sulfinyl]-1H-benzimidazole ;	102804-77-3	C15H15N3O2S	301.36
Rabeprazole 4-Chloro Analog Sulfide	2-[(RS)-[[4-Chloro-3-methylpyridin-2-yl)methyl]sulphinyl]-1H-benzimidazole ; 4-Desmethoxypropoxyl-4-Chloro Rabeprazole	103312-62-5	C14H12ClN3S	289.78
Rabeprazole EP Impurity H	2-[(RS)-[[4-Chloro-3-methylpyridin-2-yl)methyl]sulphinyl]-1H-benzimidazole ; 4-Desmethoxypropoxyl-4-Chloro Rabeprazole ;	168167-42-8	C14H12ClN3OS	305.78
Rabeprazole N-Alkyl Sulfone	1-[[[4-(3-Methoxypropoxy)-3-methyl-2-pyridinyl)methyl]-2-[[[4-(3-methoxypropoxy)-3-methyl-2-pyridinyl)methyl]sulfonyl]-1H-(1H-Benzimidazol-2-yl)-3-methyl-4-oxo-1,4-dihydropyridine-2-carboxylate, sodium salt ;	1246818-79-0	C29H36N4O6S	568.68
Rabeprazole EP Impurity C	2-Chloromethyl-3-methyl-4-(3-methoxypropoxy)pyridine hydrochloride ;	1163685-30-0 (free acid) ;	C14H10N3NaO3	291.24
Rabeprazole 2-Chloromethyl Impurity	2-Chloromethyl-3-methyl-4-(3-methoxypropoxy)pyridine hydrochloride ;	153259-31-5	C11H17Cl2NO2	266.16
Rabeprazole Sulfide N-Oxide	Rabeprazole Sulfide N-Oxide ; 2-[[[4-(3-Methoxypropoxy)-3-methyl-1-oxido-2-pyridinyl)methyl]thio]-1H-benzimidazole.	924663-40-1	C18H21N3O3S	359.44
Rabeprazole Methoxy Sulfide	2-[[[4-Methoxy-3-methylpyridin-2-yl)methyl]thio]benzimidazole.	102804-82-0	C15H15N3OS	285.36
Rabeprazole Impurity Dimer	2-[[[3-Methyl-4(3-methoxypropoxy)-pyridine-2-yl)methyl]sulphinyl]-1[[[4-(3-methoxypropoxy)-3-methyl]pyridine-2-yl)methyl]-1H-	NA	C29H36N4O5S	552.69
2-Mercaptobenzimidazole	1,3-Dihydro-2H-benzimidazole-2-thione; 2-Benzimidazolinetione; 1H-Benzimidazole-2-thiol; 2-Mercapto-1H-Compound C USP,	583-39-1	C7H6N2S	C7H6N2 S
Rabeprazole EP Impurity G	Rabeprazole Sulfide 4-Methoxy Analog ; 4-Desmethoxypropoxyl-4-Methoxy Rabeprazole Sulfide ; 2-[[[4-Methoxy-3-methyl-2-	102804-82-0	C15H15N3OS	285.36
Rabeprazole Methoxy IMP SM	Pyridine, 4-methoxy-2,3-dimethyl- (9CI).	163593-69-9	C8H11NO	137.18
RALTEGRAVIR				
Raltegravir Amine Impurity	2-(2-Aminopropan-2-yl)-N-(4-fluorobenzyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide ;	518048-03-8	C16H19FN4O3	334.35
RASAGILINE				
Rasagiline Mesylate Impurity C	Rasagiline Mesylate Impurity C; Dipropargyl r-amino indane;(R)-N,N-di(prop-2-yn-1-yl)-2,3-dihydro-1H-inden-1-amine; Dipropargyl r-	1458609-07-8	C15H15N	209.29
RONALAZINE				
Ranolazine USP RC A	2-[[2-Methoxyphenoxy)methyl]oxirane ; 1-(2,3-Epoxypropoxy)-2-methoxybenzene ;	2210-74-4	C10H12O3	180.20
Ranolazine USP RC B	N-(2,6-Dimethylphenyl)-4-(2-hydroxy-3-phenoxypropyl)-1-piperazineacetamide ;	755711-09-2	C23H31N3O3	397.51
Ranolazine Impurity 1	N1,N4-Bis(2,6-dimethylphenyl)-1,4-piperazinediacetamide; Impurity:	380204-72-8	C24H32N4O2	408.54
Ranolazine USP RC c	N-(2,6-Dimethylphenyl)-1-piperazineacetamide ;	5294-61-1	C14H21N3O	247.34
Ranolazine Bis-N-Oxide	N-(2,6-Dimethylphenyl)-4-[2-hydroxy-3-(2-methoxyphenoxy)propyl]-1-piperazine acetamide 1,4-dioxide ;	1246816-00-1	C24H33N3O6	459.54
REPAGLINIDE				
Repaglinide EP Impurity A	4-(Carboxymethyl)-2-ethoxybenzoic acid	220438-80-2	C11H12O5	224.21
Repaglinide EP Impurity B	[3-Ethoxy-4-(ethoxycarbonyl)phenyl]acetic acid ;	99469-99-5	C13H16O5	252.26
Repaglinide USP RC C	(S)-2-Ethoxy-4-[2-[[2-phenyl-1-[2-(1-piperidinyl)phenyl]ethyl]amino]-2-oxoethyl]benzoic acid	107362-12-9	C30H34N2O4	486.6
Repaglinide EP Impurity D	Repaglinide Ethyl Ester ; Ethyl 2-ethoxy-4-[2-[[1(S)-3-methyl-1-[2-(piperidin-1-yl)phenyl]butyl]amino]-2-oxoethyl]benzoate ;	147770-06-7	C29H40N2O4	480.64
Repaglinide EP Impurity E	Repaglinide R-Isomer ; 2-Ethoxy-4-[2-[[1(R)-3-methyl-1-[2-(piperidin-1-yl)phenyl]butyl]amino]-2-oxoethyl]benzoic acid ;	147852-26-4	C27H36N2O4	452.59
Repaglinide R-Isomer Ethyl Ester	2-Ethoxy-4-[2-[[1(R)-3-methyl-1-[2-(piperidin-1-yl)phenyl]butyl]amino]-2-oxoethyl]benzoic acid ethyl ester	147770-08-9	C29H40N2O4	480.64
(S)-3-Methyl-1-(2-Piperidin-1-	(S)-[A-(2-methylpropyl)-2-(1-piperidinyl)]benzene-methanamine (S)-3-METHYL-1-[2-(1-PIPERIDINYL)PHENYL]-BUTYLAMINE Repaglinide	147769-93-5	C16H26N2	246.39
Repaglinid	2-Ethoxy-4-[2-[[1(S)-3-methyl-1-[2-(piperidin-1-yl)phenyl]butyl]amino]-2-oxoethyl]benzoic acid ;	135062-02-1	C27H36N2O4	452.59
RISEDRONATE				
Risedronate EP Impurity B	Risedronate USP RC A ; [1-Hydroxy-2-(pyridin-2-yl)ethylidene]bis(phosphonic acid) ;	105462-23-5	C7H11NO7P2	283.11

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Riluzole Dibromo Impurity	Dibromotrifluoromethoxyaniline ; 2,6-Dibromo-4-(trifluoromethoxy)aniline ; 2,6-Dibromo-4-	88149-49-9	C7H4Br2F3NO	334.92
RITONAVIR				
Ritonavir EP Impurity A	Ritonavir BP Impurity A ; Ureidovaline Ritonavir (USP) ; (2S)-3-Methyl-2-[[methyl[[2-(1-methylethyl)thiazol-4-yl]methyl]carbamoyl]	154212-61-0	C14H23N3O3S	313.42
Ritonavir EP Impurity B	NA	165315-97-9	C28H36N4O4S	524.67
Ritonavir EP Impurity C	NA	1010808-43-1	C25H29N3O4S	467.58
Ritonavir Impurity D	NA	NA	C28H30N4O5S2	566.69
Ritonavir EP Impurity E	NA	176655-56-4	C37H48N6O6S2	736.94
Ritonavir EP Impurity F	NA	1010809-61-6	C29H34N4O5S	550.67
Ritonavir EP Impurity I	NA	165315-26-4	C36H46N6O5S2	706.92
Ritonavir EP Impurity J	NA	162849-95-8	C28H35N3O5S	525.66
Ritonavir EP Impurity K	NA	NA	C28H35N3O	525.6
			5S	6
Ritonavir EP Impurity L	NA	256328-82-2	C33H43N5O4S	605.79
Ritonavir EP Impurity M	NA	NA	C18H31N3O3S	369.52
Ritonavir EP Impurity N	NA	202816-62-4	C37H48N6O5S2	720.94
Ritonavir EP Impurity O	NA	1414933-81-5	C37H48N6O5S2	720.94
Ritonavir EP Impurity S	NA	NA	C52H61N7O8S2	976.21
Ritonavir EP Impurity T	NA	869368-48-9	C46H66N8O5S2	875.2
Ritonavir EP Impurity U	NA	NA	C51H69N9O7S3	1016.34
Ritonavir Impurity V	(thiazol-5-yl)methyl (2R,5S)-1,6-diphenyl-5-(urea)hexan-2-ylcarbamate	NA	C38H50N6O4S2	718.97
Ritonavir EP Impurity G	NA		C37H48N6O7S2	752.94
Ritonavir EP Impurity H	Ritonavir BP Impurity H ; Hydantoin-Oxazolidinone Ritonavir (USP) ; Des-Isopropylthiazolyl Hydantoin- Oxazolidinone Ritonavir ; Thiazol-	1010809-43-4	C30H32N4O6S	576.66
RIZATRIPTAN				
Rizatriptan EP Impurity A	2-[2-[[3-[2-(Dimethylamino)ethyl]-1H-indol-5-yl]methyl]5-(1H-1,2,4-triazol-1-ylmethyl)-1H-indol-3-yl]-N,N-dimethylethanamine ;	NA	C28H35N7	469.62
Rizatriptan EP Impurity B	N,N-Dimethyl-2-[5-(1H-1,2,4-triazol-1-ylmethyl)-1Hindol-3-yl]-N-[2-[5-(1H-1,2,4-triazol-1-ylmethyl)-1Hindol-3-yl]ethanamine ;	NA	C28H32CIN9	530.07
Rizatriptan EP Impurity C	Iso Rizatriptan ; N,N-Dimethyl-2-[5-(1H-1,2,4-triazol-1-ylmethyl)-1Hindol-2-yl]ethanamine ;	208941-96-2	C15H19N5	269.34
Rizatriptan EP Impurity D	N,N,N-Triethyl-2-[5-(1H-1,2,4-triazol-1-ylmethyl)-1Hindol-3-yl]ethanaminium chloride ;	NA	C19H28CIN5	361.92
Rizatriptan EP Impurity E	N,N-Dimethyl-2-[1-(methylsulfonyl)-5-(1H-1,2,4-triazol-1-ylmethyl)-1H-indol-3-yl]ethanamine ;	NA	C16H21N5O2S	347.44
Rizatriptan EP Impurity F	2-[5-(1H-1,2,4-Triazol-1-ylmethyl)-1H-indol-3-yl]ethanol ;	NA	C13H14N4O	242.28
Rizatriptan EP Impurity G	3-(2-Chloroethyl)-5-(1H-1,2,4-triazol-1-ylmethyl)-1H-indole ;	1000673-59-5	C13H13CIN4	260.72
Rizatriptan EP Impurity I	N-Desmethyl Rizatriptan ; N-Methyl-2-[5-(1H-1,2,4-triazol-1-ylmethyl)-1H-indol-3-yl]ethanamine ;	144034-84-4	C14H17N5	255.32
2-[[3-[2-(Dimethylamino)Et hyl]-1H-	2-[[3-[2-(Dimethylamino)ethyl]-1H-indol-5-yl]methyl]-N,N-dimethyl-5-(1H-1,2,4-triazol-1-ylmethyl)-1H-indole-3-ethanamine Benzoate ;	1016900-25-6	C35H41N7O2	591.75
Hydrazone Impurity	NA	1016900-24-5	C15H22N6	286.38
Rizatriptan N-Oxide	N,N-Dimethyl-2-[5-(1H-1,2,4-triazol-1-ylmethyl)-1H-indol-3-yl]ethanamine N-oxide ;	260435-42-5	C15H19N5O	285.34

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Rizatriptan Dimer	2-((5-((1H-1,2,4-triazol-1-yl)methyl)-2-((3-(2-(dimethylamino)ethyl)-1H-indol-5-yl)methyl)-1H-indol-3-yl)-N,N-dimethylethan-1-amine.	NA	C28H35N7	469.64
RIVASTIGMINE				
Rivastigmine USP RC A	Rivastigmine USP Related Compound A ; (+)-Di-p- toluoyl-D-(+)-tartaric acid ;	32634-68-7	C20H18O8	386.35
Rivastigmine USP RC B	Rivastigmine USP Related Compound B (Tartrate Salt) ; Rivastigmine Tartrate Dimethyl Analog ; (S)-3-[1-(Dimethylamino)ethyl]phenyl	25081-93-0 (rac base)	C17H26N2O8	386.40
Rivastigmine EP Impurity E	3-[(1S)-1-(Methylamino)ethyl]phenyl ethyl(methyl)- carbamate ;	923035-05-6	C13H20N2O2	236.31
Desmethyl Rivastigmine	N,N-Dimethinoethyl]phenyl Ester	1230021-28-9	C13H20N2O2	236.31
RISPERIDONE				
Risperidone EP Impurity A	3-[2-[4-((E)-(2,4-difluorophenyl)(hydroxyimino)methyl)piperidin-1-yl]ethyl]-2-methyl-	691007-09-7	C23H28F2N4O2	430.49
Risperidone EP Impurity B	3-[2-[4-((Z)-(2,4-Difluorophenyl)(hydroxyimino) methyl)piperidin-1-yl]ethyl]-2-methyl-6,7,8,9-tetrahydro- 4H-pyrido[1,2-a]pyrimidin-4-	132961-05-8	C23H28F2N4O2	430.49
Risperidone EP Impurity C	(9RS)-3-[2-[4-(6-Fluoro-1,2-benzisoxazol-3-yl)piperidin- 1-yl]ethyl]-9-hydroxy-2-methyl-6,7,8,9-tetrahydro-4H- pyrido[1,2-a]pyrimidin-4-	144598-75-4	C23H27FN4O3	426.48
Risperidone EP Impurity D	Risperidone BP Impurity D ; Risperidone 5-Fluoro Isomer ; 3-[2-[4-(5-Fluoro-1,2-benzisoxazol-3-yl)piperidin-1-yl]ethyl]-2-	1199589-74-6	C23H27FN4O2	410.48
Risperidone EP Impurity F	2-[2-Methyl-4-oxo-6,7,8,9-tetrahydro-4H-pyrido[1,2-a] pyrimidin-3-yl] ethyl 4-(6-fluoro-1,2-benzisoxazol-3-yl)piperidin-1-carboxylate ;	1346603-86-8	C24H27FN4O4	454.49
Risperidone EP Impurity G	Risperidal impurityG;Risperidone EP Impurity G	NA	C23H27FN4O2	410.49
Risperidone EP Impurity H	3-[2-[4-(2,4-Difluorobenzoyl)piperidin-1-yl]ethyl]-2- methyl-6,7,8,9-tetrahydro-4H-pyrido[1,2-a]pyrimidin-4- one ;	158697-67-7	C23H27F2N3O2	415.48
Risperidone EP Impurity I	3-[2-[4-[4-Fluoro-2-[4-(6-fluoro-1,2-benzisoxazol-3-yl)piperidin-1-yl]benzoyl]piperidin-1-yl]ethyl]-2-methyl- 6,7,8,9-tetrahydro-4H-	1329796-66-8	C36H39F2N5O3	615.71
Risperidone EP Impurity J	3-[2-[4-((Z)-(4-Fluoro-2-[4-(6-fluoro-1,2-benzisoxazol-3-yl)piperidin-1-yl]phenyl)(hydroxyimino)methyl)piperidin- 1-yl]ethyl]-2-methyl-	1346606-24-3	C35H40F2N6O3	630.73
Risperidone EP Impurity K	3-[2-[4-(1,2-Benzisoxazol-3-yl)piperidin-1-yl]ethyl]-2- methyl-6,7,8,9-tetrahydro-4Hpyrido[1,2-a]pyrimidin-4-one	106266-09-5	106266-09-5	392.49
Risperidone EP Impurity M	Risperidone EP Impurity M ; Risperidone Amine Impurity (HCl Salt) ; Paliperidone USP RC B ; 6-Fluoro-3-(4- piperidinyl)-1,2-benzisoxazole	84163-13-3 (HCl salt) ;	C12H14ClFN2O	256.70
Risperidone N- Oxide	3-[2-[4-(6-Fluoro-1,2-benzisoxazol-3-yl)-1-oxido-1- piperidinyl]ethyl]-6,7,8,9-tetrahydro-2-methyl-4H- pyrido[1,2-a]pyrimidin-4-one ;	832747-55-4	C23H27FN4O3	426.48
Risperidone Ethyl Impurity	3-Ethyl-2-methyl-6,7,8,9-tetrahydro-4H-pyrido-(1,2-a)- pyrimidin-4-one ;	70381-58-7	C11H16N2O	192.26
Tetradhydro Risperidone	3-[2-[4-(6-Fluoro-1,2-benzisoxazol-3-yl)-1- piperidinyl]ethyl]-2-methyl-4H-pyrido[1,2-a]pyrimidin-4- one; 1,2-Benzisoxazole, 4H-	108855-18-1	C23H23FN4O2	406.45
ROXITHROMYCIN				
Roxithromycin EP Impurity F	Roxithromycin EP Impurity F;(E)-N-Demethylroxithr4R,E)- 14-ethyl-7,12,13-trihydroxy-4-(((2R,4R,5S,6S)-5-hydroxy- 4-methoxy-4,6-	118267-18-8	C40H74N2O15	823.02
ROSUVASTATIN				
Rosuvastatin EP Impurity A (Calcium Salt)	Rosuvastatin EP Impurity A (Calcium Salt) ; Rosuvastatin USP RC A ; S-Desmethyl-S-(2-Hydroxy-2-Methylpropyl) Rosuvastatin Calcium ;	1714147-50-8	C25H33FN3O7S	538.61
Rosuvastatin EP Impurity B	Anti isomer impurity of Rosuvastatin;(3RS,5RS,6E)-7-[4- (4-Fluorophenyl)-6-(1-methylethyl)-2-[methyl (methyl sulfonyl)amino]-	NA	C22H27FN3NaO6 S	503.52
Rosuvastatin EP Impurity C (Calcium Salt)	Rosuvastatin EP Impurity C (Calcium Salt) ; Rosuvastatin 5-Oxo Calcium ; 5-Oxo-Rosuvastatin Calcium ; 3- Hydroxy-5-Keto	1422619-13-3 (acid)	C22H25FN3O6S	478.51
Rosuvastatin EP Impurity G	Rosuvastatin USP RC D ; Rosuvastatin Calcium Enantiomer ; anti-Rosuvastatin Calcium ; Rosuvastatin Calcium (3S,5R)-Isomer; (3S,5R)-	1242184-42-4 (acid)	C22H27FN3O6S	480.53
Rosuvastatin Lactone	N-[4-(4-Fluorophenyl)-6-(1-methylethyl)-5-[(1E)-2- [(2S,4R)-tetrahydro-4-hydroxy-6-oxo-2H-pyran-2- yl]ethenyl]-2-pyrimidinyl]-	503610-43-3	C22H26FN3O5S	463.52
Rosuvastatin Calcium Salt	(3R,5S,6E)-7-[4-(4-Fluorophenyl)-6-(1-methylethyl)-2-[methyl(methylsulfonyl)amino]-5-pyrimidinyl]-3,5- dihydroxy-6-	147098-20-2	C22H27FN3O6S	500.57
ROPINIROLE				
Ropinirole Impurity A (Monopropyl Ropinirole)	Ropinirole N-Despropyl Impurity ; 4-[2-(Propylamino)ethyl]-2-indolinone monohydrochloride ; Monopropyl Ropinirole.	173990-76-6	C13H18N2O	218.29
Ropinirole USP RC B	3-Oxo Ropinirole Hydrochloride ; 4-[2-(Dipropylamino)ethyl]indoline-2,3-dione HCl ;	221264-21-7	C16H23ClN2O2	310.82
Ropinirole N- Hydroxy Impurity	Ropinirole N-Hydroxy Impurity ; N-Hydroxy Ropinirole Hydrochloride ; 4-[2-(Dipropylamino)ethyl]-1-hydroxy-2- indolinone	954117-22-7	C16H24N2O2	276.37

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Ropinirole Open Ring Nitro Impurity	Ropinirole Open Ring Nitro Impurity ; 2-[2-(Dipropylamino)ethyl]-6-nitrophenyl acetic acid hydrochloride.	91374-25-3	C16H24N2O4	308.37
2-Nitro-6-[2-(N,N-Di-N-Propylamino) Ethyl]	3-[2-[2-(dipropylamino)ethyl]-6-nitrophenyl]-2- oxopropanoic acid.	97351-95-6	C17H24N2O5	336.38
Ropinirole Open Ring Nitro Impurity	2-[2-(Dipropylamino)ethyl]-6-nitrophenyl acetic acid hydrochloride ;	91374-25-3	C16H25CIN2O4	344.83
Ropinirole N- Despropyl Impurity	4-[2-(Propylamino)ethyl]-2-indolinone monohydrochloride ;	173990-76-6	C13H19CIN2O	254.76
N,N-Dipropyl-2- Methyl-3- Nitrophenylethana mine	N,N-Dipropyl-2-Methy;N,N-Dipropyl-2-Methyl-3-nitrophenylethanaMine;N,N-Dipropyl-2-methyl-3-	91374-23-1	C15H24N2O2	264.36
ROPIVACAINE				
Ropivacaine RC A	2,6-Dimethylbenzenamine Hydrochloride ; 2,6- Dimethylaniline Hydrochloride.	21436-98-6	C8H12CIN	157.64
Ropivacaine EP Impurity B	Ropivacaine BP Impurity B ; Ropivacaine N-Despropyl Analog ; (?)-(2S)-N-(2,6-Dimethylphenyl)piperidine-2- carboxamide ;	27262-40-4	C14H20N2O	232.32
ROCURONIUM				
Rocuronium Impurity B	3-Acetyl Rocuronium Bromide ; 1-[3?,17?- bis(Acetyloxy)-2?-(morpholin-4-yl)-5?-androstan-16?-yl]- 1-(prop-2-enyl)pyrrolidinium	122483-73-2	C34H55N2O5	571.81
Rocuronium Impurity C	17-Desacetyl Rocuronium Bromide ; 1-[3?,17?- Dihydroxy-2?-(morpholin-4-yl)-5?-androstan-16?-yl]-1- (prop-2-enyl)pyrrolidinium	119302-86-2	C30H51N2O3	487.74
Rocuronium Impurity D	3-Acetyl-17-desacetyl Rocuronium Bromide ; 1-[3?- (Acetyloxy)-17?-hydroxy-2?-(morpholin-4-yl)-5?- androstan-16?-yl]-1-(prop-2-	1190105-63-5	C32H53N2O4	529.77
Rocuronium Impurity E	2-Pyrrolidinyl Desmorpholinyl Rocuronium Bromide ; 1- [17?-(Acetyloxy)-3?-hydroxy-2?-(pyrrolidin-1-yl)-5?- androstan-16?-yl]-1-	1190105-65-7	C32H53N2O3	513.77
Rocuronium Impurity F	2-Pyrrolidinyl-3-Acetyl Desmorpholinyl Rocuronium Bromide ; 1-[3?,17?-bis(Acetyloxy)-2?-(pyrrolidin-1-yl)- 5?-androstan-16?-yl]-1-	1190105-66-8	C34H55N2O4	555.81
Rocuronium Impurity G	(2b,3a,5a,16b,17b)-2-(4-Morpholinyl)-16-(1- pyrrolidinyl)androstane-3,17-diol.	119302-20-4	C27H46N2O3	446.66
SALMETEROL				
Salmeterol EP Impurity A	1-[4-Hydroxy-3-(hydroxymethyl)phenyl]-2-[[4- phenylbutyl)amino] ethanol formate ;	1798014-51-3	C20H27NO5	361.43
Salmeterol EP Impurity D	1-[4-[2-hydroxy-2-[4-hydroxy-3- (hydroxymethyl)phenyl]ethoxy]-3-(hydroxy methyl)phenyl]-2- [[6-(3-	1391052-04-2	C34H47NO7	581.74
Salmeterol EP Impurity E	Salmeterol EP Impurity E ; Salmeterol USP Related Compound B ; 1-[4-Hydroxy-3-(hydroxymethyl)phenyl]-2-[[6-(1-methyl-3-	108928-81-0	C25H37NO4	415.57
Salmeterol EP Impurity F	Salmeterol EP Impurity F (Formate Salt) ; Salmeterol Deoxy Impurity (USP) ; 1-(4-Hydroxy-3-methylphenyl)-2-[[6-(4-	1391054-40-2 (base)	C26H39NO5	445.59
Salmeterol EP Impurity G	1-[4-hydroxy-3-[[[2-hydroxy-2-[4-hydroxy-3-(hydroxymethyl)phenyl]ethyl] [6-(4-	1391051-88-9	C50H72N2O7	813.12
SACUBITRIL				
Sacubitril Impurity 1	2R,4S)-5-((1,1'-biphenyl)-4-yl)-4-aMino-2-Methylpentanoic acid hydrochloride;(2R,4S)-4-Amino-4-((1,1'-biphenyl)-4-ylmethyl)- 2-	1038924-71-8	C18H22CINO2	319.83
Sacubitril Impurity 2	ethyl (2R,4S)?4?[[[tert?butoxy]carbonyl]amino]?2?methyl?5?(4?phenylphenyl)pentanoate ; (2R,4S)-ethyl 5-((1,1'-biphenyl)-4-yl)-4- ((tert-	149709-60-4	C25H33NO4	411.53
Sacubitril Impurity 3	Sacubitril (3R,5S)-Pyrrolidinone Impurity ;(3R,5S)-5-((Biphenyl- 4-yl)methyl)-3-methylpyrrolidin-2-one ;	1038924-70-7	C18H19NO	265.35
Sacubitril Impurity 4	Desethyl Sacubitril;[S-(R*,S*)]-?-[3-Carboxy-1- oxopropyl)amino]-?-methyl-[1,1'-Biphenyl]-4-pentanoic Acid; (2R,4S)-4-[[3-Carboxy-1-	149709-44-4	C22H25NO5	383.44
SERTRALINE				
Sertraline EP Impurity A	Sertraline BP Impurity A ; Sertraline USP Related Compound A ; Sertraline trans-Isomer ; trans-4-(3,4-Dichlorophenyl)-1,2,3,4-	79836-45-6	C17H18Cl3N	342.69
Sertraline EP Impurity B	cis-4-Phenyl-1,2,3,4-tetrahydro-N-methyl -1-naphthalen amine hydrochloride ;	52758-05-1	C17H20CIN	273.80
Sertraline EP Impurity C	Sertraline 3-Deschloro Impurity ;Sertraline 4-Chlorophenyl Analog ; 3-Deschloro Sertraline HCl ; cis-(1S)-N-Methyl-4-(4- chloro phenyl)-	79646-00-7	C17H19CIN	308.25
Sertraline Impurity D	Sertraline impurity D;4-Deschloro Sertraline;(rac,syn)-4- Deschloro-sertraline;(1S,4S)-4-(3-chlorophenyl)-N-methyl- 1,2,3,4-	871838-58-3	C17H18CIN	271.78
Sertraline EP Impurity E	Sertraline BP Impurity E ; (R)-(-)-Mandelic Acid ; (2R)-(-)-Hydroxybenzeneacetic Acid ; D-Mandelic Acid ;	611-71-2	C8H8O3	152.15
Sertraline EP Impurity F	Sertraline BP Impurity F ; Sertralone (USP) ; Sertraline Tetralone (R)-Isomer ; (R)-4-(3,4-Dichlorophenyl)-1-tetralone ;	155748-61-1	C16H12Cl2O	291.17
Sertraline EP Impurity G	Sertraline BP Impurity G ; Sertraline Enantiomer ; Sertraline (1R,4R)-cis-Isomer ; (1R,4R)-4-(3,4-Dichlorophenyl)-N-methyl- 1,2,3,4-	79617-95-1	C17H18Cl3N	342.69

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Sertraline Dimethylamino Analog	N-Methyl Sertraline HCl ; (1S,4S)-4-(3,4-Dichlorophenyl)-N,N-dimethyl-1,2,3,4-tetrahydronaphthalen-1-amine hydrochloride	79836-76-3 (HCl salt) ; 107508-	C18H20Cl3N	356.72
Sertraline 2,3- Dichloro Isomer	Sertraline 2,3-Dichloro Analog (HCl Salt) ; 2,3-Isosertraline HCl (USP) ; (1S,4R)-4-(2,3-Dichlorophenyl)-1,2,3,4-tetrahydro-N- methyl	1198084-29-5	C17H18Cl3N	342.69
SIBUTRAMINE				
Sibutramine Impurity A	4-Deschloro-2-chloro Sibutramine Hydrochloride; N-{1-[1-(2-Chlorophenyl)cyclobutyl]-3-methylbutyl}-N,N-dimethylamine	NA	C17H27Cl2N	316.31
Sibutramine Impurity B	4-Deschloro-3-chloro Sibutramine Hydrochloride; N-{1-[1-(4-Chlorophenyl)cyclobutyl]pentyl}-N,N-dimethylamine Hydrochloride;	NA	C17H21Cl2N	316.31
SILODOSIN				
Sildenafil	1-(3-Hydroxypropyl)-5-[(2R)-{(2-[2-(2,2,2-trifluoroethoxy)phenoxy] ethyl) amino}propyl]indoline-7-	60970-54-7	C25H32F3N3O4	495.53
Sildenafil (S)-Isomer	1-(3-Hydroxypropyl)-5-[(2S)-{(2-[2-(2,2,2-trifluoroethoxy)phenoxy] ethyl) amino}propyl]indoline-7-	160970-54-7	C25H32F3N3O4	495.53
Sildenafil Dehydro Impurity	(R)-1-(3-Hydroxypropyl)-5-(2-(2-(2,2,2-trifluoroethoxy)phenoxy)ethylamino)propyl)-1H-indole-7-	175870-21-0	C25H30F3N3O4	493.52
SILDENAFIL				
Sildenafil EP Impurity A	Sildenafil Impurity A ; Sildenafil USP RC A ; Sildenafil Isobutyl Analog ; 5-[2-Ethoxy-5-[(4-methyl-4-oxido-1- piperazinyl)sulfonyl]phenyl]-1,6-	NA	C23H32N6O4S	488.6
Sildenafil EP Impurity B	Sildenafil Impurity B ; Sildenafil N-Oxide ; 5-[2-Ethoxy-5-[(4- methyl-4-oxido-1-piperazinyl)sulfonyl]phenyl]-1,6-dihydro-1- methyl-3-propyl-	1094598-75-0	C22H30N6O5S	490.58
Sildenafil EP Impurity C	Sildenafil Impurity C ; O-Desethyl Sildenafil ; 5-[2-Hydroxy-5-(4-methylpiperazinylsulphonyl)phenyl]1-methyl-3-n-propyl-1,6-	139755-91-2	C20H26N6O4S	446.52
Sildenafil EP Impurity D	Sildenafil Impurity D ; Desmethylpiperazinyl Sildenafil Sulfonic Acid ; 3-(4,7-Dihydro-1-methyl-7-oxo-3-propyl-1H-pyrazolo[4,3-	1357931-55-5	C17H20N4O5S	392.43
Sildenafil Impurity F	4-(hydroxyamino)-1-methyl-3-propyl-1H-pyrazole-5- carboxamide.	NA	C8H14N4O2	198.22
Sildenafil N- Desmethyl Metabolite	5-[2-Ethoxy-5-(piperazin-1-yl)sulfonylphenyl]-1-methyl-3- propyl-4H-pyrazolo[5,4-e]pyrimidin-7-one ;	139755-82-1	C21H28N6O4S	460.55
Sildenafil Acid Impurity	1-methyl-4-nitro-3-propyl-1H-pyrazole-5-carboxylic acid.	139756-00-6	C8H11N3O4	213.19
Sildenafil Amino Amide Impurity	4-Amino-1-methyl-3-propylpyrazole-5-carboxamide ;	139756-02-8	C8H14N4O	182.22
1-Methyl-4-Nitro-3-Propylpyrazole-5-	1-Methyl-4-nitro-3-propyl-1H-pyrazole-5-carboxamide; Sildenafil Amide Impurity.	139756-01-7	C8H12N4O3	212.21
SIMVASTATIN				
Simvastatin EP Impurity A	Simvastatin EP Impurity A ; Simvastatin USP RC A ; Simvastatin Sodium ; Simvastatin Acid Sodium Salt ; Simvastatin Hydroxy Acid	101314-97-0	C25H39NaO6	458.56
Simvastatin EP Impurity B	Simvastatin USP RC B ; Simvastatin Acetate Ester ; (1S,3R,7S,8S,8aR)-8-[2-[(2R,4R)-4-(acetyloxy)-6-oxotetrahydro-	145576-25-6	C27H40O6	460.6
Simvastatin EP Impurity C	Simvastatin USP RC C ; 2,3-Anhydro Simvastatin ; Dehydro Simvastatin ; Simvastatin Dehydration Product ; (1S,3R,7S,8S,8aR)-	210980-68-0	C25H36O4	400.55
Simvastatin EP Impurity F	Simvastatin USP RC F ; epi-Lovastatin ; Lovastatin epimer ; (1S,3R,7S,8S,8aR)-8-[2-[(2R,4R)-4-Hydroxy-6-oxotetrahydro-2H-	79952-44-6	C24H36O5	404.54
Simvastatin EP Impurity D	Simvastatin EP Impurity D ; Simvastatin USP RC D ; Simvastatin Dimer ; (3R,5R)-{(2R,4R)-2-(2-[(1S,2S,6R,8S)-8-(2,2-	476305-24-5	C50H76O10	837.13
Simvastatin EP Impurity E	Simvastatin USP RC E ; Lovastatin ; Desmethyl Simvastatin ; (1S,3R,7S,8S,8aR)-8-[2-[(2R,4R)-4-hydroxy-6-oxotetrahydro-2H-	75330-75-5	C24H36O5	404.54
Simvastatin EP Impurity G	Simvastatin USP RC G ; Simvastatin-3-en ; Methylene simvastatin ; 2 nd Desethyl-2 nd -vinyl simvastatin ; (1S,3R,7S,8S,8aR)-8-[2-[(2R,4R)-4-	1449248-72-9	C25H36O5	416.55
Simvastatin Hydroxy Acid Ammonium Salt	(?R,?R,1S,2S,6R,8S,8aR)-8-(2,2-Dimethyl-1-oxobutoxy)-1,2,6,7,8,8a-hexahydro-?,-?-dihydroxy-2,6-dimethyl-1-	139893-43-9	C25H43NO6	453.61
SITAGLIPTIN				
Sitagliptin	(R)-3-amino-1-(3-(trifluoromethyl)-5,6-dihydro-[1,2,4]triazolo[4,3-a]pyrazin-7(8H)-yl)-4-(2,4,5-	486460-32-6	C16H15F6N5O.H3O4P . H2O	407.32. 97.99
Sitagliptin EP Impurity A	(S)-Sitagliptin isomer Phosphate ; (S)-4-Oxo-4-[3-(trifluoromethyl)-5,6-dihydro[1,2,4]triazolo[4,3-a]pyrazin-	823817-58-9	C16H15F6N5O	407.32
Sitagliptin EP Impurity B	Sitagliptin 4-Desfluoro Impurity ; (R)-4-Oxo-4-[3-(trifluoromethyl)-5,6-dihydro[1,2,4]triazolo[4,3-a]pyrazin- 7(8H)-yl]-1-(2,5-	1345822-87-8	C16H16F5N5O	389.33
Sitagliptin EP Impurity C	Sitagliptin 5-Desfluoro Impurity ; (R)-4-Oxo-4-[3-(trifluoromethyl)-5,6-dihydro[1,2,4]triazolo[4,3-a]pyrazin- 7(8H)-yl]-1-(2,4-	1345822-86-7	C16H16F5N5O	389.33
Sitagliptin Impurity E HCl (Sitagliptin S- Isomer HCl)	(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	NA	C16H15F6N5O.HCl	407.32 36.46

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Sitagliptin Acid Impurity	3-Amino-4-(2,4,5-trifluorophenyl)butanoic acid;	936630-57-8;1204818-19-8	C10H10F3NO2.HC I	233.19
Sitagliptin Ketoamide Impurity	Sitagliptin Ketoamide Impurity ; (2Z)-4-Oxo-4-[3-(trifluoroMethyl)-5,6-dihydro-[1,2,4] triazolo[4,3-a]pyrazine-7(8H)-yl]-1-(2,4,5-	764667-65-4	C16H12F6N4O2	406.28
Sitagliptin Impurity 1	(3R)-3-(N-(tert-butoxycarbonyl)amino)-4-(2,3,5-trifluorophenyl)butanoic acid;	NA	C15H18F3NO4	333.3
Sitagliptin Impurity 2	(3R)-3-[(tert-Butoxycarbonyl)amino]-4-(3,4,5-trifluorophenyl)butanoic acid	NA	C15H18F3NO4	333.3
Sitagliptin Impurity 3	(3R)-3-[(tert-Butoxycarbonyl)amino]-4-(2,4,6-trifluorophenyl)butanoic acid;	NA	C15H18F3NO4	333.3
Sitagliptin Impurity 4	(3R)-3-[(tert-Butoxycarbonyl)amino]-4-(2,3,6-trifluorophenyl)butanoic acid;	NA	C15H18F3NO4	333.3
Sitagliptin Impurity 5	(3R)-3-[(tert-Butoxycarbonyl)amino]-4-(2,3,4-trifluorophenyl)butanoic acid;	NA	C15H18F3NO4	333.3
Sitagliptin Impurity 6	(3R)-3-[(tert-Butoxycarbonyl)amino]-4-(2,3, difluorophenyl)butanoic acid;	NA	C15H18F3NO4	333.3
Sitagliptin Impurity 7	(3R)-3-[(tert-Butoxycarbonyl)amino]-4-(3,4, difluorophenyl)butanoic acid;	NA	C15H19F2NO4	315.31
Sitagliptin Impurity 8	(3R)-3-[(tert-Butoxycarbonyl)amino]-4-(3,5, difluorophenyl)butanoic acid;	NA	C15H19F2NO4	315.31
Sitagliptin Impurity 9	(1Z)-1-(5,5-dimethyl-1,3-dioxan-2-yl)-3-(2,4,5- trifluorophenyl)prop-1-en-2-ol;	NA	C15H17F3O3	302.29
Sitagliptin Impurity 10	2,4,5-Trifluorobenzeneacetic Acid;(2,4,5-Trifluorophenyl)acetic Acid	209995-38-0	C8H5F3O2	190.12
N-Boc-Sitagliptin	N-[(1R)-3-[5,6-Dihydro-3-(trifluoromethyl)-1,2,4-triazolo[4,3-a]pyrazin-7(8H)-yl]-3-oxo-1-[(2,4,5-	486460-23-5	C21H23F6N5O3	507.43
6-Aminocaproic Acid Dimer	Bis-?-aminocaproic Acid; N-(6-?-Aminocaproyl)-6-aminocaproic Acid; 6-Aminoheptanoic Acid Dimer; 6-[(6-Amino-1-	2014-58-6	C??H??N?O?	244.33
SOTALOL				
Sotalol Impurity A	Methanesulfonamide, N-[4-[2-[2-?[(1-?methylethyl)?amino]?ethyl]?phenyl]?-; N-[4-[2-[(1-	16974-42-8	C12H20N2O2S	256.36
Sotalol Impurity B	N-{4-[(1-Methylethyl)amino]acetyl}phenyl}methanesulfonamide	60735-85-5	C12H18N2O3S	270.35
SOFOSBUVIR				
RP-Isomer Of Sofosbuvir	isopropyl ((R)-(((2R,3R,4R,5R)-5-(2,4-dioxo-3,4-dihydropyrimidin-1(2H)-yl)-4-fluoro-3-hydroxy-4-	1064684-44-1	C22H29FN3O9P	529.46
SPARFLOXACIN				
Sparfloxacin Impurity 3	2,6-Dimethylpiperazine;1-Cyclopropyl-6,7,8-trifluoro-4-oxo-1,4-dihydroquinoline-3-carboxylic acid	103460-90-8	C19H21F2N3O3	377.39
Sparfloxacin Impurity 5	PD-131501;SPARFLOXACIN;SparfloxacinHCl;SparfloxacinSpara;Spar	111542-93-9	C19H22F2N4O3	392.4
Sparfloxacin Impurity 6	NA	132664-15-4	C26H28F2N4O3	482.53
ORBIFLOXACIN	1-CYCLOPROPYL-7-(3,5-DIMETHYL-1-PIPERAZINYL)-5,6,8-TRIFLUORO-1,4-DIHYDRO-4-OXO-3-QUINOLINECARBOXYLIC ACID;1-	119354-10-8	C19H20F3N3O3	NA
SUNITINIB				
N-Desethyl Sunitinib	N-[2-(Ethylamino)ethyl]-5-[(Z)-(5-fluoro-1,2-dihydro-2-oxo-3H-indol-3-ylidene)methyl]-2,4-dimethyl-1H-pyrrole-3- carboxamide;	356068-97-8	C20H23FN4O2	370.42
Sunitinib Malate	N-[2-(Diethylamino)ethyl]-5-[(Z)-(5-fluoro-1,2-dihydro-2-oxo-3H-indol-3-ylidene)methyl]-2,4-dimethyl-1H-pyrrole-3- carboxamide	341031-54-7	C26H33FN4O7	532.56
SUMATRIPTAN				
Sumatriptan EP Impurity A	Sumatriptan BP Impurity A ; Sumatriptan USP Related Compound A ; [3-[2-(Dimethylamino)ethyl]-2-[[3-[2-(dimethylamino)ethyl]-1H-	545338-89-4	C31H43N5O6S	613.77
Sumatriptan EP Impurity B	N-Desmethyl Sumatriptan ; N-Methyl[3-[2-(methylamino)ethyl]-1H-indol-5-yl] methane sulphon amide ;	88919-51-1	C13H19N3O2S	281.37
Sumatriptan EP Impurity C	Sumatriptan BP Impurity C ; Sumatriptan USP Related Compound C ; [3-[2-(Dimethylamino)ethyl]-1-(hydroxymethyl)- 1H-indol-5-yl]- N-	NA	C15H23N3O3S	325.43
Sumatriptan EP Impurity D	Sumatriptan N-Oxide ; N,N-Dimethyl-2-[5-[(methylsulphamoyl)methyl]-1H-indol-3-yl] ethanamine N-oxide	212069-94-8	C14H21N3O3S	311.40
Sumatriptan EP Impurity E	: [3-[2-Aminoethyl]-1H-indol-5-yl]-N- methylmethanesulphonamide ; N,N-DiDesmethyl Sumatriptan ;	88919-22-6	C12H17N3O2S	267.35
Sumatriptan EP Impurity F	Sumatriptan BP Impurity F ; N-Methyl(2,3,4,9-tetrahydro-1H-pyrido[3,4-b]indol-6-yl) methane sulphonamide ;	NA	C13H17N3O2S	279.36

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Sumatriptan EP Impurity H	Sumatriptan Dimer Impurity ; [3-[2-(Dimethylamino)ethyl]-1-[[3-[2-(dimethylamino)ethyl]-1H-indol-5-yl]methyl]-1H-indol-5-yl]-N-	1391052-59-7	C27H37N5O2S	495.68
T	TEMSULOSIN			
Tamsulosin EP Impurity A	5-[(2R)-2-[bis[2-(2-Ethoxyphenoxy)ethyl]amino]propyl]-2- methoxy benzene sulfonamide HCl ;	918867-88-6	C30H41ClN2O7S (HCl salt) ;	609.17(HCl salt)
Tamsulosin EP Impurity B	5-[(2R)-2-Aminopropyl]-2-methoxybenzenesulfonamide HCl ;	112101-75-4	C10H16N2O3S (Base)	244.31
Tamsulosin EP Impurity C	2-Methoxy-5-[(2R)-2-[(2-phenoxyethyl) amino] propyl] benzenesulfonamide ;	NA	C18H24N2O4S	364.46
Tamsulosin EP Impurity D	2-Methoxy-5-[(2R)-2-[[2-(2-methoxyphenoxy)ethyl] amino] propyl] benzene sulfonamide ;	80223-96-7	C19H26N2O5S	394.49
Tamsulosin EP Impurity E	5-Formyl-2-methoxybenzenesulfonamide ;	105764-07-6	C8H9NO4S	215.23
Tamsulosin EP Impurity F	2-(2-Ethoxyphenoxy)ethanamine ;	6781-17-5	C10H15NO2	181.23
Tamsulosin EP Impurity G	5-[(2S)-2-[[2-(2-Ethoxyphenoxy)ethyl]amino]propyl]-2-methoxy benzene sulfonamide HCl ;	106463-19-8	C20H28N2O5S . HCl	408.51 (Base)
Tamsulosin EP Impurity H	(2R)-N-[2-(2-Ethoxyphenoxy)ethyl]-1-(4- methoxyphenyl)propan-2-amine HCl ; (R)-Des(aminosulfonyl) Tamsulosin HCl ;	NA	C20H27NO3	329.43
Tamsulosin EP Impurity I	1-(2-Bromoethoxy)-2-ethoxybenzene ;	3259-03-8	C10H13BrO2	245.11
	TOMOXIFEN			
Tamoxifen Impurity D	2-[4-[(E)-1,2-diphenylprop-1-enyl]phenoxy]-N,N-dimethylethanamine	31750-45-5	C25H27NO	357.48800
Tamoxifen Impurity F	2-[4-[(Z)-1,2-Diphenylbut-1-enyl]phenoxy]-N- methylethanamine hydrochloride ;	15917-65-4	C25H28ClNO	393.95
Tamoxifen N-Oxide	(2-[4-[(1Z)-1,2-diphenylbut-1-en-1- yl]phenoxy]ethyl)dimethylamine oxide.	75504-34-6	C26H29NO2	393.95
	TELMISARTAN			
Telmisartan EP Impurity A	4-Methyl-6-(1-methyl-1H-1,3-benzodiazol-2-yl)-2-propyl-1H-1,3-benzodiazole	152628-02-9	C19H20N4	304.39
Telmisartan EP Impurity B	Telmisartan Isomer ; 4'-[[1,7'-Dimethyl-2'-propyl-1H,1'H-2,5'-bibenzo[d]imidazol-1'-yl)methyl]biphenyl-2-carboxylic acid	1026353-20-7	C33H30N4O2	
Telmisartan EP Impurity C	2-[4-[[4-Methyl-6-(1-methyl-1H-1,3-benzodiazol-2-yl)-2-propyl- 1H-1,3-benzodiazol-1-yl] methyl]phenyl]benzoic acid t-butyl ester	144702-26-1	C37H38N4O2	570.72
Telmisartan EP Impurity D	Telmisartan Diacid ; 6-Des(1-methyl-2-benzimidazolyl)-6- carboxy Telmisartan	884330-12-5	C26H24N2O4	428.17
Telmisartan EP Impurity F	Telmisartan Amide ; 2-[4-[[4-Methyl-6-(1-methyl-1H-1,3-benzodiazol-2-yl)-2-propyl-1H-1,3-benzodiazol-1-yl]	915124-86-6	C33H31N5O	513.63
Telmisartan EP Impurity G	Telmisartan Cyano Analog ; 2-Descarboxy-2-Cyano Telmisartan ; 4'-[[1,4'-Dimethyl-2'-propyl[2,6'-bi-1H-benzimidazol]-1'- yl)methyl]-	144702-27-2	C33H29N5	495.24
Telmisartan Chloro Impurity	Telmisartan Chloro impurity	NA	C33H29ClN4O2	548.20
Telmisartan DiBenzimidazole N-	7-Methyl-2-propyl-2,5-bi-1H-benzimidazole ;	884330-09-0	C18H18N4	290.1531
Telmisartan Benzimidazole Acid	4-Methyl-2-propyl-6-benzimidazolecarboxylic acid ;	152628-03-0	C12H14N2O2	218.1055
Telmisartan Dimer Impurity	4,4'-[[4-Methyl-2-propyl[2,6'-bi-1H- benzimidazole]-1,1'- diyl]bis(methylene)]bis[1,1'-biphenyl]-2- carboxylic Acid;	884330-14-7	C46H38N4O4	710.82
	TERBUTALINE			
Terbutaline Impurity A	?-Resorcylic Acid; 3,5-dihydroxybenzoic acid (alpha-resorcylic acid).	99-10-5	C7H6O4	154.12
Terbutaline Impurity B	(4RS)-2-(1,1-dimethylethyl)-1,2,3,4- tetrahydroisoquinoline- 4,6,8-triol.	NA	C13H21NO7S	335.37
Terbutaline Impurity D	2-[benzyl-(1,1-dimethylethyl)amino]-1-(3,5-dihydroxyphenyl)ethanone.	NA	C19H23NO3	313.40
Temazepam Impurity G	(5RS)-7-chloro-1,4-dimethyl-5-phenyl-4,5-dihydro-1H-1,4-benzodiazepine-2,3-dione.	93329-92-1	C17H15ClN2O2	314.76
	TENOFOVIR			
Tenofovir	NA	107021-12-5	C9H14N5O4P	287.21
Tenofovir Impurity K	NA	1246812-40-7	C21H32N5O11P	561.48

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Tenofovir Disoproxil Dimer	5-[[[(1R)-2-[6-[[[9-[(2R)-2,11-Dimethyl-5-[[[(1-methylethoxy)carbonyl]oxy]methoxy]-5-oxido-9-oxo-3,6,8,10-	1093279-76-5	C39H60N10O20P 2	1050.9
Tenofovir Disoproxil Carbamate	5-[[[(1R)-1-Methyl-2-[6-[(isopropoxycarbonyl)amino]-9H-purin-9-yl]ethoxy)methyl]-2,4,6,8-tetraoxa-5-phosphonanedioic Acid Bis(1-	1244022-54-5	C23H36N5O12P	605.53
Tenofovir (S)- Isomer	Tenofovir (S)-Isomer ; (S)-9-(2- Phosphonomethoxypropyl)adenine ;	147127-19-3	C9H14N5O4P	287.21
Tenofovir Mono- POC PMPA	(8R)-9-(6-Amino-9H-purin-9-yl)-5-hydroxy-8-methyl-2,4,7- trioxa-5-phosphonanoic Acid 1-Methylethyl Ester 5-Oxide; Tenofovir	211364-69-1	C14H22N5O7P	403.33
Desmethyl Tenofovir Disoproxil	5-[[2-(6-Amino-9H-purin-9-yl)ethoxy)methyl]-2,4,6,8-Tetraoxa-5-phosphonanedioic Acid Bis(1-methylethyl) Ester 5-Oxide (2E)-2-	NA	C22H32N5O14P	621.49
Tenofovir N-POC- POC PMPA	5-[[[(1R)-2-(6-Amino-9H-purin-9-yl)-1-methylethoxy)methyl]-2,4,6,8-tetraoxa-5-phosphonanedioic Acid (1- methylethyl,propyl) Ester 5-	NA	C19H30N5O10P	519.44
Tenofovir MOC- POC PMPA	5-[[[(1R)-2-(6-Amino-9H-purin-9-yl)-1-methylethoxy)methyl]-2,4,6,8-tetraoxa-5-phosphonanedioic Acid (1-	NA	C17H26N5O10P	606.45
Tenofovir IPR-POC PMPA	Tenofovir Disoproxil Related CoMound G; Mono-POC Isopropyl Tenofovir (Mixture of Diastereomers);(8R)-9-(6-Amino-9H- purin-9-	NA	C17H28N5O7P	445.40
TERAZOSIN				
Terazosin EP Impurity A	4-Amino-2-chloro-6,7-dimethoxyquinazoline ;	23680-84-4	C10H10ClN3O2	239.66
Terazosin EP Impurity B	Terazosin USP Related Compound B ; Terazosin 4-Hydroxy Analog ; 1-(4-Hydroxy-6,7-dimethoxyquinazolin-2-yl)-4-[[[(2R)- tetrahydrofuran-	NA	C19H24N4O5	388.42
Terazosin EP Impurity C	Terazosin USP Related Compound A ; 4-Amino-6,7-dimethoxy-2-(1-piperazinyl)quinazoline ;	60547-97-9	C14H19N5O2	289.33
Terazosin EP Impurity D	4-Amino-6,7-dimethoxy-2-(4-formyl-1-piperazinyl)quinazoline ;	NA	C15H19O3	317.34
Terazosin EP Impurity E	Terazosin USP Related Compound C ; Prazosin EP Impurity E ; 2,2'-(1,4-Piperazinediyl)bis[6,7-dimethoxy-4-quinazolinamine] ;	102839-00-9 (Base);104965-	C24H28N8O4	492.53
TENOXCAM				
Tenoxicam EP Impurity C	(N-Methylthiophene-2-carboxamide)	39880-77-8	C6H7NOS	141.19
Tenoxicam EP Impurity D	(N-Methyl-N'-(2-pyridyl)oxamide)	52781-01-8	C8H9N3O2	179.18
Tenoxicam Impurity E	2-Methylthieno[2,3-d]isothiazol-3(2H)-one-1,1-dioxide.	94040-09-02	C6H5NO3S2	203.24
TEMOZOLOMIDE				
Temozolomide USP RC A	4-Diazo-4H-imidazole-5-carboxamide ;	7008-85-7	C4H3N5O	137.10
Temozolomide Cyano Impurity	Temozolomide Cyano Impurity;3-methyl-4-oxo-3,4-dihydroimidazo[5,1-d][1,2,3,5]tetrazine-imidazo[4,3-	114601-31-9	C6H4N6O	176.13
Temozolomide Acid	3,4-Dihydro-3-methyl-4-oxo-imidazo[5,1-d][1,2,3,5]tetrazine-8-carboxylic acid ;	113942-30-6	C6H5N5O3	195.14
Temozolomide 2-Azahypoxanthine Impurity	3,7-Dihydro-4H-imidazo [4,5-d] [1,2,3] triazin-4-one sodium salt ; 4a,5-Dihydro-4H-imidazo[4,5-d][1,2,3]triazin-4-one sodium salt ;	4656-86-4 (base) ; 1797817-	C4H2N5NaO	159.08
Thiamine Impurity C	3-[[4-Amino-2-methylpyrimidin-5-yl)methyl]-5-(2-chloroethyl)- 4-methylthiazolium	7275-24-3	C12H17Cl3N4S	355.71
TICAGRELOR				
Ticagrelor Impurity G (Ticagrelor Metabolite)	(1S,2R,3S,4R)-4-(7-(((1R,2S)-2-(3,4-difluorophenyl)cyclopropyl)amino)-5-(propylthio)-3H-	220347-05-7	C21H24F2N6O3S	478.52
Ticagrelor Impurity 1	(1S,2S,3R,5S)-3-(7-amino-5-(propylthio)-3H-[1,2,3]triazolo[4,5-d]pyrimidin-3-yl)-5-(2-hydroxyethoxy)cyclopentane-1,2-diol;	NA	C14H22N6O4S	370.43
Ticagrelor Impurity 2	(1S,2S,3R,5R)-3-(7-hydroxy-5-(propylthio)-3H-[1,2,3]triazolo[4,5-d]pyrimidin-3-yl)-5-(2-	NA	C14H21N5O5S	371.42
Ticagrelor Impurity 3	(1S,2S,3S,5S)-3-((5-amino-6-chloro-2-(propylthio)pyrimidin-4-yl)amino)-5-(2-hydroxyethoxy)cyclopentane-1,2-diol;	NA	C14H23ClN4O4S	378.88
Ticagrelor Impurity 4	(2R,3R)-2-(3,4-difluorophenyl)-3-((3-(((1R,2S,3S,4S)-2,3-dihydroxy-4-(2-hydroxyethoxy)cyclopentyl)-5-(propylthio)-3H-	1644461-92-6	C23H26F2N6O5S	536.55
Ticagrelor Impurity 5	(1S,2S,3R,5R)-3-(7-chloro-5-(propylthio)-3H-[1,2,3]triazolo[4,5-d]pyrimidin-3-yl)-5-(2-hydroxyethoxy)cyclopentane-1,2-diol;	NA	C14H20ClN5O4S	389.86
Ticagrelor Impurity 6	5-amino-6-chloro-2-(propylthio)pyrimidin-4-ol;	NA	C7H10ClN3OS	219.69
Ticagrelor Impurity 7	2-((5-amino-6-chloro-2-(propylthio)pyrimidin-4-yl)oxy)ethan-1- ol;	NA	C9H14ClN3O2S	263.75
Ticagrelor Impurity 8	(1S,2S,5R)-3-(2-hydroxyethoxy)-5-(7-(methoxyamino)-5-(propylthio)-3H-[1,2,3]triazolo[4,5-d]pyrimidin-3- yl)cyclopentane-	NA	C15H24N6O5S	400.45

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
TINIDAZOLE				
Tinidazole EP Impurity A	Tinidazole USP RC A ; 2-Methyl-5-nitro-1H-imidazole ;	696-23-1	C4H5N3O2	127.1
Tinidazole EP Impurity B	Tinidazole USP RC B ; 4-Nitro-5-Desnitro Tinidazole ; 1-[2-(Ethylsulfonyl)ethyl]-2-methyl-4-nitro-1H-imidazole ;	25459-12-5	C8H13N3O4S	247.27
TIZANIDINE				
Tizanidine EP Impurity A	2,1,3-Benzothiadiazol-4-amine, N-(4,5-dihydro-1H-imidazol-2-yl)-	51322-69-1	C9H9N5S	219.27
Tizanidine EP Impurity B	N-(5-Chloro-2,1,3-benzothiadiazol-4-yl)thiourea ;	51323-05-8	C7H5ClN4S2	244.72
Tizanidine EP Impurity D	Methyl N-(5-chloro-2,1,3-benzothiadiazol-4-yl)carbamimidothioate ;	560120-68-5	C8H7ClN4S2	258.75
Tizanidine EP Impurity E	Tizanidine USP RC A ; 5-Chloro-2,1,3-benzothiadiazol-4-amine ;	30536-19-7	C6H4ClN3S	185.63
Tizanidine EP Impurity F	1,3-Bis(5-chloro-2,1,3-benzothiadiazol-4-yl)-1-(4,5-dihydro-1H-imidazol-2-yl)guanidine ;	1147548-85-3	C16H11Cl2N9S2	464.35
Tizanidine RC-C	1-Acetylimidazolidinethione;1-Acetyl-2-imidazolidinethione	5391-52-6	C5H8N2OS	144.194 82
TIBOLONE				
Tibolone Impurity E	Tibolone EP Impurity E	105186-33-2	C23H34O3	358.53
TIMOLOL				
Timolol Impurity B	(2RS)-3-[(1,1-Dimethylethyl)amino]-2-[[4-(morpholin-4-yl)-1,2,5-thiadiazol-3-yl]oxy]propan-1-ol ;	59697-06-2	C13H24N4O3S	316.42
Timolol EP Impurity D	4-(Morpholin-4-yl)-1,2,5-thiadiazol-3-ol ;	30165-97-0	C6H9N3O2S	187.22
TIAMULIN				
Tiamulin Hydrogen Fumarate	3aS,4R,5S,6S,8R,9R,9aR,10R)-6-Ethenyl-5-hydroxy-4,6,9,10-tetramethyl-1-oxodecahydro-3a,9-propano-3aH-	848129-54-4	C28H38O7S	518.662 1
TORSEMIDE				
Torsemide USP RC B	N-1-Butyl 1-Demethylethyl Torsemide ; N- [(Butylamino)carbonyl]-4-[(3-methylphenyl)amino]-3- pyridinesulfonamide ;	160972-33-8	C17H22N4O3S	362.45
TOPOTECAN				
Topotecan N- Desmethyl Impurity	9-Methylaminomethyl-10-hydroxycamptothecin ; (S)-10-[(Methylamino) methyl]-4-ethyl-4,9-dihydroxy-1H-pyrano	190710-79-3	C22H21N3O5	407.42
TOLTERODINE				
Tolterodine EP Impurity E	4-methyl-2-{1-phenyl-3-[(propan-2-yl)amino]propyl}phenol.	480432-14-2	C19H25NO	283.41
Tolterodine Lactone Impurity Racemate	6-Methyl-4-phenyl-3,4-dihydro-1-benzopyran-2-one ;	40546-94-9	C16H14O2	238.28
TRIMETHOPRIM				
Trimethoprim Impurity B	(2,4-Diaminopyrimidin-5-yl)(3,4,5- trimethoxyphenyl)methanone ;	30806-86-1	C14H16N4O4	304.3
Trimipramine Impurity C	(2RS)-3-(5H-Dibenzo[b,f]azepin-5-yl)-N,N,2-trimethylpropan-1-amine ;	315-69-5	C20H24N2	292.42
TROPICAMIDE				
Tropicamide RC C	2-Phenylhydracrylic acid, 3-Hydroxy-2-phenylpropionic acid	529-64-6	C9H10O3	166.17
TRIMEBUTINE				
Trimebutine Base	NA	39133-31-8	C22H29NO5	387.47
TROSPIMUM				
Trospium Chloride RC A	Benzilic Acid	76-93-7	C14H12O3	228.24
Trospium Impurity D	NA	467-32-3	C28H20O4	420.47

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	
TRANEXAMIC					
Tranexamic Acid Impurity D	4-Aminomethylbenzoic acid ;	56-91-7	C8H9NO2	151.16	
1,2,4-Triazole Sodium Salt	1H-1,2,4-Triazole Sodium Salt; Sodium 1,2,4-triazole-4-ide; Sodium 1H-1,2,4-Triazolate; Sodium 1H-1,2,4-Triazolide;	41253-21-8	C2H2N3Na	91.05	
TRAVOPROST					
Travoprost Related Compound A	(5Z,13E)-(9S,11R,15R)-9,11,15-trihydroxy-16-(m-trifluoromethylphenoxy)-17,18,19,20-tetranor-5,13-prostadienoic	54276-17-4	C23H29F3O6	458.47	
5,6-Trans Travoprost	5,6-trans Travoprost;(5E)-7-[(1R,2R,3R,5S)-3,5-Dihydroxy-2-[(1E,3R)-3-hydroxy-4-[3-(trifluoromethyl)phenoxy]-1-buten-1-yl]cyclopentyl]-	1563176-59-9	C26H35F3O6	500.55	
15-Keto Derivative	(5Z,13E)-(9S,11R)-9,11,-Dihydroxy-15-oxo-16-(m-trifluoromethylphenoxy)-17,18,19,20-tetranor-5,13-prostadienoic	404830-45-1	C26H33F3O6	498.53	
TROPISETRON					
Tropisetron Impurity A	(1R,3r,5S)-8-Methyl-8-azabicyclo[3.2.1]oct-3-ol (Tropine)	120-29-6	C18H15NO	141.21	
VARDEFANIL					
V	Vardenafil EP Impurity A	VSLS-VAR-A	NA	C21H28N6O4S	460.55
Vardenafil Impurity D	Vardenafil Dimer;phenylene))bis(5-methyl-7-propylimidazo[5,1-f][1,2,4]triazin-4(3H)-one).	1255919-03-9	C38H46N10O8S2	834.96	
Vardenafil Dessulfonyl Impurity	2-(2-Ethoxyphenyl)-5-methyl-7-propyl-3H-imidazo[5,1-f][1,2,4]triazin-4-one.	224789-21-3	C17H20N4O2	312.37	
2-ETHOXY-N- HYDROXY-BENZAMIDINE	Imidoxim;2-ETHOXY-N-HYDROXY-BENZAMIDINE;Vardenafil IMpurity (2-Ethoxy-N-Hydroxy BenzaMidine)	879-57-2	C9H12N2O2	180.2	
Benzoyl Impurity	NA	1255919-01-7	C26H30N6O4S	522.20	
VALPROIC ACID					
Valproic Acid Impurity A	pentanoic acid	109-52-4	C5H10O2	102.13	
Valproic Acid Related Compound A	NA	99-67-2	C8H12O2	140.18	
Valproic Acid Impurity B	NA	20225-24-5	C7H14O2	130.19	
Valproic Acid Impurity C	(2RS)-2-(1-Methylethyl)pentanoicAcid.	62391-99-5	C8H16O2	144.22	
Valproic Acid Impurity D	isopropyl 2-propylpentanoate	52061-75-3	C11H22O2	186.29	
Valproic Acid Impurity E	2-Propyl-2-Pentenoic Acid	NA	C8H14NO2	142.20	
Valproic Acid Impurity F	NA	NA	C9H18O2	158.24	
Valproic Acid Impurity G	NA	NA	C11H23NO	185.31	
Valproic Acid Impurity I	NA	NA	C8H15N	125.22	
Valproic Acid Impurity J	NA	NA	C11H21N	167.30	
Valproic Acid Impurity K	2-ethyl-2-methylpentanoic acid	5343-52-2	C14H20N2O3	264.33	
2-Butyl Valproic	4-Octanecarboxylic Acid;	3274-28-0	C9H18O2	158.24	
VALACICLOVIR					
Valaciclovir EP Impurity A	Valaciclovir USP Related Compound A ; Guanine ; 2-Amino-1,9-dihydro-6H-purin-6-one ;	73-40-5	C5H5N5O	151.13	
Valaciclovir EP Impurity B	Valaciclovir USP Related Compound B ; Aciclovir ; 2-Amino-9- [(2-hydroxyethoxy)methyl]-1,9-dihydro-6H-purin-6-one ;	59277-89-3	C8H11N5O3	225.20	
Valaciclovir EP Impurity C	2-[(2-Amino-6-oxo-1,6-dihydro-9H-purin-9-yl)methoxy]ethyl-N-methyl-L-valinate ;	1346617-39-7 (HCl salt) ;	C14H22N6O4 (base) ;	338.36	
Valaciclovir EP Impurity D	2-[(2-Amino-6-oxo-1,6-dihydro-9H-purin-9-yl)methoxy]ethyl-N-ethyl-L-valinate ;	1346747-69-0	C15H24N6O4	352.39	
Valaciclovir EP Impurity E	Valaciclovir USP Related Compound E ; N-Benzyloxycarbonyl Valacyclovir ; 2-[(2-Amino-6-oxo-1,6-dihydro-9H-purin-9-	124832-31-1	C21H26N6O6	458.47	

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Valaciclovir EP Impurity F	Valaciclovir USP Related Compound F ; 2-Hydroxyethyl L- valinate tosylate ;	86150-61-0	C14H23NO6S	333.40
Valaciclovir EP Impurity G	Valaciclovir USP Related Compound G ; N,N-Dimethylpyridin-4-amine ;	1122-58-3	C7H10N2	122.17
Valaciclovir EP Impurity H	2-[[2-Amino-6-oxo-1,6-dihydro-9H-purin-9-yl)methoxy]ethyl L-alaninate ;	84499-64-9 (base) ; 84499-	C11H16N6O4	296.28
Valaciclovir EP Impurity J	2-[[2-Amino-6-oxo-1,6-dihydro-9H-purin-9-yl)methoxy]ethyl L-isoleucinate ;	142963-63-1	C14H22N6O4	338.36
Valaciclovir EP Impurity M	N-Formyl Valacyclovir ; 2-[[2-Amino-6-oxo-1,6-dihydro-9H- purin-9-yl)methoxy]ethyl N-formyl-L-valinate ;	847670-62-6	C14H20N6O5	352.35
Valaciclovir EP Impurity R	D-Valacyclovir Hydrochloride ; Acyclovir D-Valinate Hydrochloride ; D-VACV Hydrochloride ; 2-[[2-Amino-6-oxo-1,6-dihydro-9H-purin-9-	124832-28-6	C13H21ClN6O4	360.8
Valacyclovir	L-Valine 2-[[2-Amino-1,6-dihydro-6-oxo-9H-purin-9-yl)methoxy]ethyl Ester.	124832-26-4	C13H20N6O4	324.34
VALSARTAN				
Valsartan USP RC A	Valsartan EP Impurity A ; Valsartan R-Isomer ; (R)-Valsartan ;(R-N-valeryl-N-([2'-(1H-tetrazole-5-yl)biphen-4-yl)methyl)valine ;	137862-87-4	C24H29N5O3	435.52
Valsartan EP Impurity A	Valsartan EP impurity A;ent-Valsartan;USP Valsartan Related Compound A;Valsartan R Isomer; (2R)-3-methyl- 2[[pentanoyl[[2'-	137862-87-4	C24H29N5O3	435.52
Valsartan EP Impurity B	Valsartan USP Related Compound C ; Valsartan Benzyl Ester ; [(S-N-Valeryl-N-([2'-(1H-tetrazole-5-yl)biphen-4-yl)methyl)- valine	137863-20-8	C31H35N5O3	525.64
Valsartan EP Impurity C	Valsartan N-Oxybutyl Analog ; Valsartan N-Butyryl Analog ; (S)-N-(1-Oxobutyl)-N-[[2-(1H-tetrazol-5-yl)[1,1'-biphenyl]-4- yl)methyl]-valine	952652-79-8	C23H27N5O3	421.49
Valsartan Ethyl Ester	(S)-N-Valeryl-N-([2'-(1H-tetrazole-5-yl)biphen-6-yl)methyl)- valine ethyl ester	1111177-30-0	C26H33N5O3	463.57
Valsartan Methyl Ester	Valsartan USP RC E;(S)-N-Valeryl-N-([2'-(1H-tetrazole-5- yl)biphen-5-yl)methyl)-valine methyl ester	137863-17-3	C25H31N5O3	449.55
VALGANCICLOVIR				
Valganciclovir USP RC C	9-Methoxymethyl Guanine ; 2-Amino-1,9-dihydro-9-(methoxymethyl)-6H-purin-6-one ;	1202645-50-8	C7H9N5O2	195.18
Valganciclovir USP RC N	Ganciclovir Mono-N-Methyl Valinate ; N-Methyl Valganciclovir HCl ; N-Methyl-L-valine 2-[[2-amino-1,6-dihydro-6-oxo-9H- purin-9-	1401562-16-0	C15H25ClN6O5	404.85
Valganciclovir HCl D-Valine Analog	Valganciclovir HCl D-Valine Analog	1393911-57-3	C14H23ClN6O5	390.82
VELPATASVIR				
Velpatasvir	GS 5816; Methyl [(2S)-1-[(2S,5S)-2-[9-[2-[(2S,4S)-1-[(2R)-2-[(Methoxycarbonyl)amino]-2-phenylacetyl]-4-	1377049-84-7	C49H54N8O8	883
VERAPAMIL				
Verapamil EP Impurity J HCl	(2RS)-2-(3,4-Dimethoxyphenyl)-5-[[2-(3,4-dimethoxyphenyl)ethyl]amino]-2-(1-methylethyl)pentanenitrile	67812-42-4 (HCl salt)	C26H37ClN2O4	477.04
Verapamil Impurity K	(2RS)-2-(3,4-Dimethoxyphenyl)-3-methylbutanenitrile ;	20850-49-1	C13H17NO2	219.28
VENLAFAXINE				
Venlafaxine EP Impurity A	2-(4-Methoxyphenyl)-N,N-dimethylethanamine ;	775-33-7	C11H17NO	179.26
Venlafaxine EP Impurity B	Venlafaxine Ester Impurity ; Ethyl (2RS)-3-(dimethylamino)-2- (4-methoxyphenyl)propanoate hydrochloride ;	323176-93-8 (Base)	C14H22ClNO3	287.78
Venlafaxine EP Impurity C	Venlafaxine EP Impurity C ("DDMV") ; N,N-Didesmethyl Venlafaxine Hydrochloride ; 1-[2-Amino-1-(4-methoxyphenyl) ethyl]	130198-05-9	C15H24ClNO2	285.81
Venlafaxine EP Impurity D	1-[(1RS)-1-(4-Methoxyphenyl)-2- (methylamino)ethyl]cyclohexanol Hydrochloride ;	93413-90-2	C16H26ClNO2	299.84
Venlafaxine EP Impurity E	(5RS)-5-(4-Methoxyphenyl)-3-methyl-1-oxa-3- azaspiro-[5.5]undecane Hydrochloride ;	93413-56-0	C17H26ClNO2	311.85
Venlafaxine EP Impurity F	(2RS)-2-(Cyclohex-1-enyl)-2-(4-methoxyphenyl)-N,N-dimethylethanamine hydrochloride ; 2-Cyclohexenyl-2-(4-	93413-79-7	C17H26ClNO	295.85
Venlafaxine EP Impurity G	Deshydroxy Venlafaxine Hydrochloride ; 1-[2-Dimethylamino-1- (4-methoxyphenyl) ethyl] cyclohexane HCl ;	1076199-92-2	C17H28ClNO	297.86
Venlafaxine EP Impurity H (Base)	-[2-(2-(p-Methoxyphenyl)ethylamino-1-(4-methoxyphenyl) ethyl] cyclo hexanol ;	1329795-88-1	C24H33NO3	383.52
Venlafaxine O- Desmethyl N-Desmethyl Impurity	O-Desmethyl N-Desmethyl Venlafaxine ; N-Desmethyl Desvenlafaxine ; N,O-Didesmethyl Venlafaxine ; 4-[2-	135308-74-6	C15H23NO2	249.35
Venlafaxine Hydroxy Nitrile Impurity	1-(Cyano-(4-methoxyphenyl)methyl)cyclohexanol ;	93413-76-4	C15H19NO2	245.32

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight	
VILAZODONE					
Vilazodone N-Oxide	5-[4-[4-(5-Cyano-1H-indol-3-yl)butyl]-4-oxido-1-piperazinyl]-2-benzofurancarboxamide;	1622425-52-8	C26H27N5O3	457.52	
VORICONAZOLE					
Voriconazole EP Impurity B	(2RS,3SR)-2-(2,4-Difluorophenyl)-3-pyrimidin-4-yl-1-(1H-1,2,4-triazol-1-yl)butan-2-ol ;	182369-73-9	C16H15F2N5O	331.32	
XYLOMETAZOLINE					
X	Xylometazoline HCl	Oxymetazoline EP Impurity B ; 2-[4-(1,1-Dimethylethyl)-2,6-dimethylbenzyl]-4,5-dihydro-1H-imidazole hydrochloride ;	1218-35-5	C16H25ClN2	280.84
	Xylometazoline EP Impurity A	N-(2-Aminoethyl)-2-[4-(1,1-dimethylethyl)-2,6-dimethylphenyl]acetamide ;	94266-17-8	C16H26N2O	262.39
	Xylometazoline EP Impurity C	[4-(1,1-Dimethylethyl)-2,6-dimethylphenyl]acetonitrile	84803-57-6	C14H19N	201.31
	Xylometazoline EP Impurity D	1-(1,1-Dimethylethyl)-3,5-dimethylbenzene ;	98-19-1	C12H18	162.27
	Xylometazoline EP Impurity E	Ethane-1,2-diamine mono(4-methylbenzenesulfonate) ; Ethylenediamine p-toluenesulfonate ;	14034-59-4	C9H16N2O3S	232.3
	Xylometazoline EP Impurity F	[4-(1,1-Dimethylethyl)-2,6-dimethylphenyl]acetic acid ;	854646-92-7	C14H20O2	220.31
Z	Zafirlukast Impurity A	: Decyclopentyl Zafirlukast Methyl Ester; N-[3-[[2-methoxy-4-[[[(2-methylphenyl)sulfonyl]amino]carbonyl]phenyl]methyl]-1- methyl-1H-	1159195-67-1	C27H27N3O6S	521.58
	Zafirlukast Impurity B	Zafirlukast m-Tolyl Isomer; N-[3-[[2-Methoxy-4-[[[(3-methylphenyl)sulfonyl]amino]carbonyl]phenyl]methyl]-1- methyl-1H-	1159195-69-3	C31H33N3O6S	575.68
	Zafirlukast RC C	N-[3-[[2-methoxy-4-[[[(2-methylphenyl)sulfonyl]ami1H-indol-5- thyl Ester;Decyclopentyl Zafirlukast Methyl Ester	1159195-67-1	C27H27N3O6S	521.58
	Zafirlukast Impurity D	3-methoxy-4-((5-((methoxycarbonyl)amino)-1-methyl-1H-indol-3-yl)methyl)benzoic acid	NA	C20H20N2O5	368.38
	Zafirlukast Impurity E	4-[[5-[[[(Cyclopentyl)oxy]carbonyl]amino]-1-methyl-1H-indol-3-yl]methyl]-3-methoxybenzoic Acid	107754-20-1	C24H26N2O5	422.47
	Zafirlukast Impurity F	4-[[5-[[[(Cyclopentyl)oxy]carbonyl]amino]-1-methyl-1H-indol-3-yl]methyl]-3-methoxy-benzoic Acid Methyl Ester	107754-19-8	C25H28N2O5	436.5
	Ziprasidone EP Impurity A	1 Ziprasidone USP RC A ; 3-Piperazin-1-yl-1,2-benzisothiazole.	87691-87-0	C11H13N3S	219.31
	Hydroxy Ziprasidone	: Hydroxy Ziprasidone;5-[2-[4-(1,2-Benzisothiazol-3-yl)-1-piperazinyl]-1-hydroxyethyl]-6-chloro-1,3-dihydro-2H-indol-2-	884305-08-2	C21H21ClN4O2	428.93504
	Isopropylidene Ziprasidone	Isopropylidene ziprasidone;5-[2-[4-(1,2-Benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro-3-(1-methylethylidene)- 2H-	684269-12-3	C24H25ClN4OS	452.9995
	3-Oxo Ziprasidone (Ziprasidone Impurity B)	5-[2-[4-(1,2-Benzisothiazol-3-yl)piperazin-1-yl]ethyl]-6-chloro- 1H-indole-2,3-dione; Ziprasidone Impurity B.	1159977-56-6	C21H19ClN4O2S	426.91916
	ZPH-2 Alcohol Impurity	Ziprasidone Impurity (6-Chloro-5-(2-Chloro-1-Hydroxy-Ethyl)- 1,3-Dihydro-Indol-2-One.	884305-06-0	C10H9Cl2NO2	246.09
	3-(1,2-Benzisothiazolyl)	3-(1,2-Benzisothiazol-3-yl)-5-[2-[4-(1,2-benzisothiazol-3yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro-2H-indol-2-one; Ziprasidone	1159977-04-4	C??H??ClN??OS?	546.11
	Ziprasidone EP Impurity C	2-[2-Amino-5-[2-[4-(1,2-benzisothiazol-3-yl)piperazin-1-yl]ethyl]-4-chlorophenyl]acetic acid sodium salt ;	1798033-44-9	C21H22ClN4NaO 2S	452.93
	Zidovudine EP Impurity B	1-(3-Chloro-2,3-dideoxy-?-D-erythro-pentofuranosyl)-5-methylpyrimidine-2,4(1H,3H)-dione ;	25526-94-7	C10H13ClN2O4	260.67
	Zolpidem USP RC A	Zolpidem USP Related Compound A;5-Methyl Zolpidem;Zolpidem Related Compound A;N,N-dimethyl-2-(7- methyl-2-(p-	1346600-85-8	C19H21N3O	307.39
	Zolpidem USP RC C	6-Methyl-2-(4-methylphenyl)imidazo[1,2-a]pyridine-3- acetamide	365213-58-7	C17H17N3O	279.34
	6-Methyl-2-(4-Methylphenyl)- Imidazo[1,2-	2-(4-Methylphenyl)-6-methylimidazo[1,2-a]pyridine	88965-00-8	C15H14N2	222.29
	2-Bromo-4'-Methylacetopheno ne	Methylphenacyl bromide;2-bromo-1ptolylethanone;4Methylphenacylbromide98%;Bromomethyl p-tolyl	619-41-0	C9H9BrO	213.07
	Zolpidem Acid Impurity	2-(6-Methyl-2-p-tolylimidazo[1,2-]pyridin-3-yl)acetic acid ;	189005-44-5	C17H16N2O2	280.32
	Zolpidem Impurity C	4-Methyl-N-(5-methyl-2-pyridinyl)benzamide.Zolpyridine; Zolpidem Impurity;	349122-64-1	C14H14N2O	226.27
	Zolpidem USP RC B	2-Oxo Zolpidem ; N,N-Dimethyl-2-(6-methyl-2-p- tolylimidazo[1,2-a]pyridin-3-yl)-2-oxoacetamide.	400038-68-8	C19H19N3O2	321.4
	Zopiclone Impurity B	6-(5-chloropyridin-2-yl)-7-hydroxy-6,7-dihydro-5H-pyrrolo[3,4-b]pyrazin-5-one	43200-81-3	C11H7ClN4O2	262.65
	Zolmitriptan	(S)-4-({3-[2-(Dimethylamino)ethyl]-1H-indol-5- yl)methyl}oxazolidin-2-one ;	139264-17-8	C16H21N3O2	287.36

Impurity name	Chemical Name	CAS Number	Molecular formula	Molecular weight
Zolmitriptan R- Isomer	(R)-4-({3-[2-(Dimethylamino)ethyl]indol-5-yl)methyl}oxazolidin-2-one.	139264-24-7	C16H21N3O2	287.36
Zolmitriptan USP RC B	(S)-2-Amino-3-{3-[2-(dimethylamino)ethyl]-1H-indol-5-yl}propan-1-ol.	139264-69-0	C13H19N3O	233.31
Zolmitriptan USP RC C	Zolmitriptan USP Related Compound C;1-[2-(Dimethylamino)ethyl]-6,6a,7,11-tetrahydrooxazolo[3,4-b]pyrrolo[2,3-h]isoquinolin-9(3H)-	1346599-24-3	C17H21N3O2	299.36
Zolmitriptan USP RC D	Ethoxycarbonyl Zolmitriptan ; (S)-Ethyl 3-[2-(dimethylamino)ethyl]-5-[[2-oxooxazolidin-4-yl)methyl]-1H-indole-2-carboxylate	191864-24-1	C19H25N3O4	359.42
Zolmitriptan USP RC G	(S)-4-(4-Aminobenzyl)-2-(1H)-oxazolidinone	152305-23-2	C10H12N2O2	192.21
Zolmitriptan N- Desmethyl	Zolmitriptan USP Related Compound A ; N-Desmethyl Zolmitriptan ; (S)-4-({3-[2-(Methylamino)ethyl]-1H-indol-5-yl)methyl}oxazolidin-2-	139264-35-0	C15H19N3O2	273.33
Zolmitriptan N- Oxide	Zolmitriptan USP RC E ; Zolmitriptan N-Oxide ; (4S)-4-[[3-[2-(Dimethyloxidoamino)ethyl]-1H-indol-5-yl]methyl-2-oxazolidinone ;	251451-30-6	C16H21N3O3	303.36

FOR MORE DETAILS :

PureSynth Research Chemicals Private Limited

For any product enquiries, contact us today !

For customer service, mail us at info@pure-synth.com
and for more information visit www.pure-synth.com