



USP Pharmaceutical Analytical Impurities (PAI) Catalog

Catalog #	Status	Product Name	Product Type	Associated Drug Substance	Current Lot	Previous Lot (Valid Use Date)	CAS#	NDC#	Co. of Origin	Material Origin	UN #	Net Weight	Unit Of	Commodity Codes (HS)	Special Restriction	Pkg. Type	USMCA Eligible	KORUS Eligibl	Base Control Drug	Base Control Drug %
1A03030	Active	(3R,4R)-Paroxol (25 mg) (((3R,4R)-4-(4-fluorophenyl)-1-methylpiperidin-3-yl)methanol)	Pharmaceutical Analytical Impurity		F193F0		100332-12-5	N/A	IN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A03020	Active	(3S,4S)-Paroxol (25 mg) (((3S, 4S)-4-(4-fluorophenyl)-1-methylpiperidin-3-yl)methanol)	Pharmaceutical Analytical Impurity		F193E0		100332-20-5	N/A	IN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A02040	Active	(4-Methylbenzoyl)trifluoroacetone (25 mg) (1,1,1-Trifluoro-4-hydroxy-4-(4-methylphenyl)-3-buten-2-one)	Pharmaceutical Analytical Impurity	Celecoxib	F187K0		910303-54-7	N/A	IN	Chemical Synthesis		25 mg		2,915E+09		VIAL	No	No		
1A01970	Active	(R)-Amlodipine (25 mg) (3-ethyl 5-methyl (R)-2-((2-aminoethoxy)methyl)-4-(2-chlorophenyl)-6-methyl-1,4-dihydropyridine-3,5-dicarboxylate)	Pharmaceutical Analytical Impurity	Amlodipine	F18320		103129-81-3	N/A	IN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A00550	Active	(R)-Clopidogrel Carboxylic Acid (10 mg) ((R)-2-(2-chlorophenyl)-2-(6,7-dihydrothieno[3,2-c]pyridin-5(4H-yl)acetic acid)	Pharmaceutical Analytical Impurity	Clopidogrel Bisulfate	F167S0		324757-50-8	N/A	CN	Chemical Synthesis		10 mg		2,935E+09		VIAL	No	No		
1A02700	Active	(R)-Laudanosine (25 mg) ((R)-1-(3,4-Dimethoxybenzyl)-6,7-dimethoxy-2-methyl-1,2,3,4-tetrahydroisoquinoline)	Pharmaceutical Analytical Impurity	Cisatracurium Besylate	F18910		85-63-2	N/A	IN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A02860	Active	(R)-N-Methyllaudanosine Iodide (25 mg) ((R)-1-(3,4-dimethoxybenzyl)-6,7-dimethoxy-2,2-dimethyl-1,2,3,4-tetrahydroisoquinolin-2-ium, iodide)	Pharmaceutical Analytical Impurity	Cisatracurium Besylate	F190A0		41431-32-7	N/A	CN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A03220	Active	(S)-2-Amino-4-morpholinobutanoic acid hydrochloride (25 mg) ((S)-2-amino-4-morpholinobutanoic acid,	Pharmaceutical Analytical Impurity		F196D0		N/A	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A01540	Active	(S)-Glycidyl Phthalimide (25 mg) ((S)-2-(oxiran-2-ylmethyl)isoindoline-1,3-dione)	Pharmaceutical Analytical Impurity	Rivaroxaban	F17760		161596-47-0	N/A	CN	Chemical Synthesis		25 mg		2,925E+09		VIAL	No	No		
1A02630	Active	(S)-Sitagliptin Phosphate (25 mg) ((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	Pharmaceutical Analytical Impurity	Sitagliptin	F18820		823817-58-9	N/A	IN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A01030	Active	1,2-Dihydro Fluticasone Propionate (25 mg)	Pharmaceutical Analytical Impurity	Fluticasone Propionate	F174T0		105613-90-9	N/A	CN	Chemical Synthesis		25 mg		2,931E+09		VIAL	No	No		
1A02590	Active	1,4-Bis(4-(2,3-dichlorophenyl)piperazin-1-yl)butane dihydrochloride (25 mg) (1,4-bis(4-(2,3-dichlorophenyl)piperazin-1-yl)butane, hydrochloride)	Pharmaceutical Analytical Impurity	Aripiprazole	F18710		N/A	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A02920	Active	1-Oxo Ivabradine Hydrochloride (25 mg) ((S)-3-(3-(((3,4-dimethoxybicyclo[4.2.0]octa-1(6),2,4-trien-7-yl)methyl)(methyl)amino)propyl)-7,8-dimethoxy-4,5-dihydro-1H-benzo[d]azepine-1,2(3H)-dione,	Pharmaceutical Analytical Impurity	Ivabradine Hydrochloride	F190C0		1616710-50-9	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A01040	Active	11-Ketofluticasone Propionate (25 mg) ((6S,8S,9R,10S,13S,14S,16R,17R)-6,9-Difluoro-17-(((fluoromethyl)thio)carbonyl)-10,13,16-trimethyl-3,11-dioxo-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthren-17-yl propionate)	Pharmaceutical Analytical Impurity	Fluticasone Propionate	F174U0		1219174-94-3	N/A	CN	Chemical Synthesis		25 mg		2,931E+09		VIAL	No	No		
1A01230	Active	16Alpha-Hydroxy Prednisolone-14-ene (25 mg) ((8R,9S,10R,11S,13S,16R,17S)-11,16,17-trihydroxy-17-(2-hydroxyacetyl)-10,13-dimethyl-6,7,8,9,10,11,12,13,16,17-decahydro-3H-	Pharmaceutical Analytical Impurity	Budesonide	F174W0		131918-73-5	N/A	CN	Chemical Synthesis		25 mg		2,914E+09		VIAL	No	No		
1A01220	Active	16Alpha-Hydroxy Prednisolone-14-ene Acetate (25 mg) (2-Oxo-2-((8R,9S,10R,11S,13S,16R,17S)-11,16,17-trihydroxy-10,13-dimethyl-3-oxo-6,7,8,9,10,11,12,13,16,17-decahydro-3H-cyclopenta[a]phenanthren-17-yl)ethyl acetate)	Pharmaceutical Analytical Impurity	Budesonide	F175M0		131918-72-4	N/A	CN	Chemical Synthesis		25 mg		2,919E+09		VIAL	No	No		
1A01260	Active	16Alpha-Hydroxy Prednisolone-9(11)-ene (25 mg) ((8S,10S,13S,14S,16R,17S)-16,17-dihydroxy-17-(2-hydroxyacetyl)-10,13-dimethyl-6,7,8,10,12,13,14,15,16,17-decahydro-	Pharmaceutical Analytical Impurity	Budesonide	F175D0		39672-76-9	N/A	CN	Chemical Synthesis		25 mg		2,914E+09		VIAL	No	No		
1A01270	Active	16Alpha-Hydroxy Prednisolone-9(11)-ene Acetate (25 mg) (2-((8S,10S,13S,14S,16R,17S)-16,17-dihydroxy-10,13-dimethyl-3-oxo-6,7,8,10,12,13,14,15,16,17-decahydro-3H-cyclopenta[a]phenanthren-17-yl)-2-	Pharmaceutical Analytical Impurity	Budesonide	F174X0		77017-20-0	N/A	CN	Chemical Synthesis		25 mg		2,919E+09		VIAL	No	No		



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1A01280	Active	16Alpha-Hydroxy Prednisolone-9(11)-ene Diacetate (25 mg) (2-((8S,10S,13S,14S,16R,17S)-16-acetoxy-17-hydroxy-10,13-dimethyl-3-oxo-6,7,8,10,12,13,14,15,16,17-decahydro-3H-cyclopenta[a]phenanthren-17-yl)-2-oxoethyl acetate)	Pharmaceutical Analytical Impurity	Budesonide	F174Y0		95943-95-6	N/A	CN	Chemical Synthesis		25 mg		2,919E+09		VIAL	No	No		
1A01250	Active	16Alpha-Hydroxy-11-keto Prednisolone (25 mg) (8S,9S,10R,13S,14S,16R,17S)-16,17-dihydroxy-17-(2-hydroxyacetyl)-10,13-dimethyl-7,8,9,10,12,13,14,15,16,17-decahydro-3H-	Pharmaceutical Analytical Impurity	Budesonide	F175P0		3754-05-0	N/A	CN	Chemical Synthesis		25 mg		2,914E+09		VIAL	No	No		
1A01240	Active	16Alpha-Hydroxy-11-keto Prednisolone Acetate (25 mg) (2-((8S,9S,10R,13S,14S,16R,17S)-16,17-dihydroxy-10,13-dimethyl-3,11-dioxo-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthren-17-yl)-2-oxoethyl acetate)	Pharmaceutical Analytical Impurity	Budesonide	F175N0		3949-79-9	N/A	CN	Chemical Synthesis		25 mg		2,919E+09		VIAL	No	No		
1A00880	Active	16alpha-Hydroxyprednisolone (25 mg) ((8S,9S,10R,11S,13S,14S,16R,17S)-11,16,17-trihydroxy-17-(2-hydroxyacetyl)-10,13-dimethyl-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthren-3-one)	Pharmaceutical Analytical Impurity	Budesonide	F173S0		13951-70-7	N/A	CN	Chemical Synthesis		25 mg		2,914E+09		VIAL	No	No		
1A00470	Active	17-Oxo Dexamethasone (10 mg) ((8S,9R,10S,11S,13S,14S,16R)-9-fluoro-11-hydroxy-10,13,16-trimethyl-7,8,9,10,11,12,13,14,15,16-decahydro-3H-cyclopenta[a]phenanthrene-3,17(6H)-	Pharmaceutical Analytical Impurity	Dexamethasone	F16870		1880-61-1	N/A	CN	Chemical Synthesis		10 mg		2,934E+09		VIAL	No	No		
1A02010	Active	17alpha-Hydroxy13(17)a-homoprednisolone (25 mg) ((2R,3R,4aS,4bS,10aR,10bS,11S,12aS)-2,3,11-trihydroxy-2-(hydroxymethyl)-10a,12a-dimethyl-3,4,4a,5,6,10a,10b,11,12,12a-decahydrochrysen-1,8(2H,4bH)-dione)	Pharmaceutical Analytical Impurity	Budesonide	F18300		N/A	N/A	CN	Chemical Synthesis		25 mg		2,937E+09		VIAL	No	No		
1A01340	Active	2,3-Dimethyl-2,3-butanediamine Dihydrochloride (25 mg) (2,3-dimethylbutane-2,3-diamine, hydrochloride)	Pharmaceutical Analytical Impurity	Clavulanate Potassium	F17540		75804-28-3	N/A	CN	Chemical Synthesis		25 mg		2,921E+09		VIAL	No	No		
1A02780	Active	2,4,5-Trimethylketoprofen (25 mg) (COLD SHIPMENT REQUIRED) ((2RS)-2-[3-(2,4,5-Trimethylbenzoyl)phenyl]propanoic Acid)	Pharmaceutical Analytical Impurity	Ketoprofen	F194Y0		1797984-80-5	N/A	IN	Chemical Synthesis		25 mg		2,918E+09		VIAL	No	No		
1A02830	Active	2,4-Difluoro Sitagliptin (25 mg) ((3R)-3-Amino-4-(2,4-difluorophenyl)-1-[3-(trifluoromethyl)-5,6-dihydro[1,2,4]triazolo[4,3-a]pyrazin-7(8H)-yl]butan-1-	Pharmaceutical Analytical Impurity	Sitagliptin	F188Y0		945261-48-3	N/A	IN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A02820	Active	2,5-Difluoro Sitagliptin (25 mg) ((3R)-3-Amino-4-(2,5-difluorophenyl)-1-[3-(trifluoromethyl)-5,6-dihydro[1,2,4]triazolo[4,3-a]pyrazin-7(8H)-yl]butan-1-	Pharmaceutical Analytical Impurity	Sitagliptin	F188X0		486460-31-5	N/A	IN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A02750	Active	2-(3-Carboxyphenyl)propionitrile (25 mg) (2-(3-Carboxyphenyl)propionitrile)	Pharmaceutical Analytical Impurity	Ketoprofen	F18920		5537-71-3	N/A	IN	Chemical Synthesis		25 mg		2,927E+09		VIAL	No	No		
1A02450	Active	2-Dechloro Aripiprazole (25 mg) (7-(4-(3-chlorophenyl)piperazin-1-yl)butoxy)-3,4-dihydroquinolin-2(1H)-one)	Pharmaceutical Analytical Impurity	Aripiprazole	F184X0		203395-82-8	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A02440	Active	2-Monobromo Aripiprazole Hydrochloride (25 mg) (7-(4-(4-(2-bromophenyl)piperazin-1-yl)butoxy)-3,4-dihydroquinolin-2(1H)-one, hydrochloride)	Pharmaceutical Analytical Impurity	Aripiprazole	F18680		2748462-55-5	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A00560	Active	2-Oxo Clopidogrel (Mixture of Diastereomers) (10 mg) (methyl 2-(2-chlorophenyl)-2-(2-oxo-2,6,7,7a-tetrahydrothieno[3,2-c]pyridin-5(4H)-yl)acetate)	Pharmaceutical Analytical Impurity	Clopidogrel Bisulfate	F168C0		109904-27-0	N/A	CN	Chemical Synthesis		10 mg		2,935E+09		VIAL	No	No		
1A00570	Active	2-Oxo R-Clopidogrel (10 mg) (methyl (2R)-2-(2-chlorophenyl)-2-(2-oxo-2,6,7,7a-tetrahydrothieno[3,2-c]pyridin-5(4H)-yl)acetate)	Pharmaceutical Analytical Impurity	Clopidogrel Bisulfate	F167R0		1360923-54-1	N/A	CN	Chemical Synthesis		10 mg		2,935E+09		VIAL	No	No		



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1A03210	Active	2-[4-[(methylamino)methyl]thiazol-2-yl]propan-2-ol hydrochloride (25 mg) (2-[4-[(methylamino)methyl]thiazol-2-yl]propan-2-ol,	Pharmaceutical Analytical Impurity		F195X0		N/A	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A02730	Active	21-Desacetyl Deflazacort (25 mg) ((11Beta,16Beta)-11,21-Dihydroxy-2'-methyl-5'H-pregna-1,4-dieno[17,16-d]oxazole-3,20-dione)	Pharmaceutical Analytical Impurity	Deflazacort	F193D0		13649-57-5	N/A	IN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A00210	Active	3'-(N,N-Didemethyl)-3'-N-formylazithromycin (25 mg)	Pharmaceutical Analytical	Azithromycin	R184E0	F160F0	765927-71-7	N/A	CN	Chemical		25 mg		2,935E+09		VIAL	No	No		
1A00070	Active	3'-(N,N-Didemethyl)azithromycin; (Aminoazithromycin) (25 mg)	Pharmaceutical Analytical Impurity	Azithromycin	R17641	R17640	612069-27-9	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A00080	Active	3'-De(dimethylamino)-3'-oxoazithromycin (25 mg)	Pharmaceutical Analytical	Azithromycin		F15990	612069-25-7	N/A				25 mg		2,935E+09			No	No		
1A00840	Active	3'-Demethyl-3'-N-[[4-methylphenyl]sulfonyl]azithromycin (25 mg)	Pharmaceutical Analytical Impurity	Azithromycin	F173Q0		612069-31-5	N/A	CN	Chemical Synthesis		25 mg		2,936E+09		VIAL	No	No		
1A02760	Active	3-Carboxyphenylacetoneitrile (25 mg) (3-(Cyanomethyl)benzoic acid)	Pharmaceutical Analytical Impurity	Ketoprofen			5689-33-8	N/A				25 mg		2,927E+09			No	No		
1A02570	Active	3-Dechloro Aripiprazole (25 mg) (7-(4-(4-(2-chlorophenyl)piperazin-1-yl)butoxy)-3,4-dihydroquinolin-2(1H)-one)	Pharmaceutical Analytical Impurity	Aripiprazole	F186V0		203395-81-7	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A02930	Active	3-Desmethyl Ivabradine Hydrochloride (25 mg) (1,3,4,5-tetrahydro-3-[3-[[[(7S)-3-hydroxy-4-methoxybicyclo[4.2.0]octa-1,3,5-trien-7-yl)methyl]methylamino]propyl]-7,8-dimethoxy-2H-3-benzazepin-2-one, hydrochloride)	Pharmaceutical Analytical Impurity	Ivabradine Hydrochloride	F190B0		N/A	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A01650	Active	3-Hydroxy Desloratadine (25 mg) (8-chloro-11-(piperidin-4-ylidene)-6,11-dihydro-5H-benzo[5,6]cyclohepta[1,2-b]pyridin-3-ol)	Pharmaceutical Analytical Impurity	Desloratadine	F177D0		119410-08-1	N/A	CN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A02030	Active	4'-Hydroxycelecoxib (25 mg) (4-(5-(4-(hydroxymethyl)phenyl)-3-(trifluoromethyl)-1H-pyrazol-1-yl)benzenesulfonamide)	Pharmaceutical Analytical Impurity	Celecoxib	F184M0		170571-00-3	N/A	CN	Chemical Synthesis		25 mg		2,936E+09		VIAL	No	No		
1A02950	Active	4-Desmethyl Ivabradine Hydrochloride (25 mg) ((S)-3-(3-(((4-hydroxy-3-methoxybicyclo[4.2.0]octa-1(6),2,4-trien-7-yl)methyl)(methyl)amino)propyl)-7,8-dimethoxy-1,3,4,5-tetrahydro-2H-benzodiazepin-2-one,	Pharmaceutical Analytical Impurity	Ivabradine Hydrochloride	F193B0		N/A	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A00580	Active	4-Fluoro Risperidone (COLD SHIPMENT REQUIRED) (10 mg) (3-(2-(4-(4-fluorobenzo[d]isoxazol-3-yl)piperidin-1-yl)ethyl)-2-methyl-6,7,8,9-tetrahydro-4H-pyrido[1,2-a]pyrimidin-4-one)	Pharmaceutical Analytical Impurity	Risperidone	F17030		N/A	N/A	IN	Chemical Synthesis		10 mg		2,935E+09		VIAL	No	No		
1A02160	Active	4-Hydroxy Duloxetine Acetate (25 mg) ((S)-4-(3-(methylamino)-1-(thiophen-2-yl)propoxy)naphthalen-1-ol, acetate)	Pharmaceutical Analytical Impurity	Duloxetine	F18340		2705426-23-7	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A00900	Active	4-Methylacetophenone (1-(4-Methylphenyl)-1-ethanone (4'-Methylacetophenone))	Pharmaceutical Analytical Impurity	Celecoxib	F17310		122-00-9	N/A	IN	Chemical Synthesis		25 mg		2,914E+09		AMPULE	No	No		
1A02490	Active	5-(4-Bromobutoxy)-3,4-dihydroquinolin-2(1H)-one (25 mg) (5-(4-bromobutoxy)-3,4-dihydroquinolin-2(1H)-one)	Pharmaceutical Analytical Impurity	Aripiprazole	F185T0		63309-35-3	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A01770	Active	5-Dimethylaminobutyl Citalopram Oxalate (25 mg) (4-(dimethylamino)-1-(1-(3-(dimethylamino)propyl)-1-(4-fluorophenyl)-1,3-dihydroisobenzofuran-5-yl)butan-1-one, oxalate)	Pharmaceutical Analytical Impurity	Escitalopram	F177L0		N/A	N/A	CN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A00520	Active	5-Fluoro Risperidone (25 mg) (3-(2-(4-(5-fluorobenzo[d]isoxazol-3-yl)piperidin-1-yl)ethyl)-2-methyl-6,7,8,9-tetrahydro-4H-pyrido[1,2-a]pyrimidin-4-	Pharmaceutical Analytical Impurity	Risperidone	F169E0		1199589-74-6	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A03200	Active	5-Hydroxy Ivabradine (25 mg) (3-(3-(((S)-3,4-dimethoxybicyclo[4.2.0]octa-1,3,5-trien-7-yl)methyl)(methyl)amino)propyl)-5-hydroxy-7,8-dimethoxy-1,3,4,5-tetrahydro-2H-benzodiazepin-2-one)	Pharmaceutical Analytical Impurity		F194N0		2253977-80-7	N/A	IN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		



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1A01050	Active	6-Methyl-4-phenylchromanol (25 mg) (6-Methyl-4-phenylchroman-2-ol)	Pharmaceutical Analytical Impurity	Tolterodine tartrate	R190R0	F176R0	209747-04-6	N/A	IN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A01060	Active	6-Methyl-4-phenylchromanone (25 mg) (6-Methyl-4-phenylchroman-2-one)	Pharmaceutical Analytical Impurity	Tolterodine tartrate	F176S0		40546-94-9	N/A	IN	Chemical Synthesis		25 mg		2,932E+09		VIAL	No	No		
1A00110	Active	6Beta-Hydroxy Ethinyl Estradiol (25 mg) ((6R,8R,9S,13S,14S,17R)-17-ethynyl-13-methyl-7,8,9,11,12,13,14,15,16,17-decahydro-6H-cyclopenta[a]phenanthrene-3,6,17-triol)	Pharmaceutical Analytical Impurity	Ethinyl Estradiol	R177G0	R164U0	56324-28-8	N/A	CN	Chemical Synthesis		25 mg		2,907E+09		VIAL	No	No		
1A01400	Active	6Beta-Hydroxybudesonide (25 mg) ((2R,6aR,6bS,7S,8aS,8bS,11aR,12aS,12bS)-2,7-dihydroxy-8b-(2-hydroxyacetyl)-6a,8a-dimethyl-10-propyl-1,2,6a,6b,7,8,8a,8b,11a,12,12a,12b-dodecahydro-4H-naphtho[2',1':4,5]indeno[1,2-d][1,3]dioxol-4-one)	Pharmaceutical Analytical Impurity	Budesonide	F179G0		88411-77-2	N/A	CN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A00100	Active	6alpha-HYDROXY ETHINYL ESTRADIOL (COLD SHIPMENT REQUIRED) (25 mg) (19-Nor-17alpha-pregna-1,3,5(10)-trien-20-yne-3,6alpha,17-triol)	Pharmaceutical Analytical Impurity	Ethinyl Estradiol	F159V0		27521-34-2	N/A	IN	Chemical Synthesis		25 mg		2,907E+09	Cold Shipment Required	VIAL	No	No		
1A01390	Active	6alpha-Hydroxybudesonide (25 mg) ((2S,6aR,6bS,7S,8aS,8bS,11aR,12aS,12bS)-2,7-Dihydroxy-8b-(2-hydroxyacetyl)-6a,8a-dimethyl-10-propyl-1,2,6a,6b,7,8,8a,8b,11a,12,12a,12b-dodecahydro-4H-naphtho[2',1':4,5]indeno[1,2-d][1,3]dioxol-4-one)	Pharmaceutical Analytical Impurity	Budesonide	F178L0		577777-51-6	N/A	CN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A02070	Active	7-Dehydrocholesterol (25 mg) (COLD SHIPMENT REQUIRED) ((3S,9S,10R,13R,14R,17R)-10,13-dimethyl-17-((R)-6-methylheptan-2-yl)-2,3,4,9,10,11,12,13,14,15,16,17-dodecahydro-1H-	Pharmaceutical Analytical Impurity	Cholecalciferol	F18400		434-16-2	N/A	IN	Chemical Synthesis		25 mg		2,937E+09	Cold Shipment Required	VIAL	No	No		
1A02970	Active	7-Desmethyl Ivabradine (25 mg) ((S)-3-((3,4-dimethoxybicyclo[4.2.0]octa-1(6),2,4-trien-7-yl)methyl)(methyl)amino)propyl)-7-hydroxy-8-methoxy-1,3,4,5-tetrahydro-2H-benzodiazepin-2-one)	Pharmaceutical Analytical Impurity	Ivabradine Hydrochloride	F19010		304462-60-0	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A00590	Active	7-Fluoro Risperidone (COLD SHIPMENT REQUIRED) (10 mg) (3-(2-(4-(7-fluorobenzo[d]isoxazol-3-yl)piperidin-1-yl)ethyl)-2-methyl-6,7,8,9-tetrahydro-4H-pyrido[1,2-a]pyrimidin-4-one)	Pharmaceutical Analytical Impurity	Risperidone	F17040		N/A	N/A	IN	Chemical Synthesis		10 mg		2,935E+09		VIAL	No	No		
1A02510	Active	8-Hydroxy-3,4-dihydroquinolin-2(1H)-one (25 mg) (3,4-dihydro-8-hydroxy-2(1H)-Quinolinone)	Pharmaceutical Analytical Impurity	Aripiprazole	F184Y0		52749-50-5	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A02020	Active	9-Bromo-16alpha-hydroxyprednisolone (25 mg) ((8S,9R,10S,11S,13S,14S,16R,17S)-9-bromo-11,16,17-trihydroxy-17-(2-hydroxyacetyl)-10,13-dimethyl-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthren-3-one)	Pharmaceutical Analytical Impurity	Budesonide	F18330		N/A	N/A	CN	Chemical Synthesis		25 mg		2,937E+09		VIAL	No	No		
1A01070	Active	Alpha-Naphthol (25 mg) (Naphthalen-1-ol)	Pharmaceutical Analytical	Duloxetine	F174V0		90-15-3	N/A	CN	Chemical	UN281	25 mg		2,907E+09		VIAL	No	No		
1A01610	Active	Aminophenylmorpholin-2-one (25 mg) (4-(4-aminophenyl)morpholin-2-one)	Pharmaceutical Analytical Impurity	Rivaroxaban	F18480		1456733-00-8	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A01530	Active	Aminophenylmorpholinone (25 mg) (4-(4-aminophenyl)morpholin-3-one)	Pharmaceutical Analytical Impurity	Rivaroxaban	F17750		438056-69-0	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A00200	Active	Amlodipine Ethyl Analog (25 mg) (diethyl 2-((2-aminoethoxy)methyl)-4-(2-chlorophenyl)-6-methyl-1,4-dihydropyridine-3,5-dicarboxylate, maleate)	Pharmaceutical Analytical Impurity	Amlodipine	F159B0		400024-12-6	N/A	CN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A00030	Active	Amlodipine Methyl Analog (25 mg) (dimethyl 2-((2-aminoethoxy)methyl)-4-(2-chlorophenyl)-6-methyl-1,4-dihydropyridine-3,5-dicarboxylate, maleate)	Pharmaceutical Analytical Impurity	Amlodipine	F15950		400024-11-5	N/A	CN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A00490	Active	Amoxicilloic Acid Dimers 1 and 2 (10 mg)	Pharmaceutical Analytical	Amoxicillin	F178E0		2088961-38-8	N/A	IN	Chemical		10 mg		2,934E+09		VIAL	No	No		



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1A02460	Active	Aripiprazole 4,4'-dimer (25 mg) (7,7'-(((ethane-1,1-diylbis(2,3-dichloro-4,1-phenylene))bis(piperazine-4,1-diyl))bis(butane-4,1-diyl))bis(oxy))bis(3,4-dihydroquinolin-2(1H)-one)	Pharmaceutical Analytical Impurity	Aripiprazole	F185H0		1797986-18-5	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A02470	Active	Aripiprazole Acid Analog (25 mg) (4-((2-oxo-1,2,3,4-tetrahydroquinolin-7-yl)oxy)butanoic acid)	Pharmaceutical Analytical Impurity	Aripiprazole	F185R0		58899-27-7	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A02480	Active	Aripiprazole Bromobutoxyquinolinone Analog (25 mg) (7-(4-bromobutoxy)quinolin-2(1H)-one)	Pharmaceutical Analytical Impurity	Aripiprazole	F185S0		203395-59-9	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A02420	Active	Aripiprazole Diquinolinone Butanediol (25 mg) (7,7'-(butane-1,4-diylbis(oxy))bis(3,4-dihydroquinolin-2(1H)-one)	Pharmaceutical Analytical Impurity	Aripiprazole	F184U0		882880-12-8	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A02550	Active	Aripiprazole Hydroxydihydroquinolinone Analog (25 mg) (7-hydroxy-3,4-dihydroquinolin-2(1H)-one)	Pharmaceutical Analytical Impurity	Aripiprazole	F196Y0		22246-18-0	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A02560	Active	Aripiprazole Hydroxyquinolinone Analog (25 mg) (7-hydroxyquinolin-2(1H)-one)	Pharmaceutical Analytical Impurity	Aripiprazole	F185V0		70500-72-0	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A02530	Active	Aripiprazole Isomer (25 mg) (5-(4-(4-(2,3-dichlorophenyl)piperazin-1-yl)butoxy)-3,4-dihydroquinolin-2(1H)-one)	Pharmaceutical Analytical Impurity	Aripiprazole	F18500		203395-78-2	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A02520	Active	Aripiprazole N-oxide Isomer (25 mg) (4-(2,3-dichlorophenyl)-1-(4-((2-oxo-1,2,3,4-tetrahydroquinolin-7-yl)oxy)butyl)piperazine 4-oxide)	Pharmaceutical Analytical Impurity	Aripiprazole	F185U0		573691-11-9	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A02540	Active	Aripiprazole Spiro Analog (25 mg) (8-(2,3-dichlorophenyl)-5,8-diazaspiro[4.5]decan-5-ium,	Pharmaceutical Analytical Impurity	Aripiprazole	F186W0		795313-24-5	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A02410	Active	Aripiprazole di(quinolinonylbutyl) ether analog (25 mg) (7,7'-((oxybis(butane-4,1-diyl))bis(oxy))bis(3,4-dihydroquinolin-2(1H)-one))	Pharmaceutical Analytical Impurity	Aripiprazole	F185W0		1424858-02-5	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A00760	Active	Atorvastatin 3-deoxyhept-2-enoic Acid (25 mg) ((S,E)-7-(2-(4-fluorophenyl)-5-isopropyl-3-phenyl-4-(phenylcarbamoyl)-1H-pyrrol-1-yl)-5-hydroxyhept-2-	Pharmaceutical Analytical Impurity	Atorvastatin Calcium	F178F0		1105067-93-3	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A00800	Active	Atorvastatin Epoxy Tetrahydrofuran Analog (25 mg) (4-(4-Fluorophenyl)-2,4-dihydroxy-2-(1-methylethyl)-N,5-diphenyl-3,6-dioxabicyclo[3.1.0]hexane-1-carboxamide)	Pharmaceutical Analytical Impurity	Atorvastatin Calcium	F176P0		873950-19-7	N/A	IN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A00010	Active	Atorvastatin Ethyl Ester (25 mg) (ethyl (3R,5R)-7-(2-(4-fluorophenyl)-5-isopropyl-3-phenyl-4-(phenylcarbamoyl)-1H-pyrrol-1-yl)-3,5-dihydroxyheptanoate)	Pharmaceutical Analytical Impurity	Atorvastatin Calcium	F159A0		1146977-93-6	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A00020	Active	Atorvastatin Methyl Ester (25 mg) (methyl (3R,5R)-7-(2-(4-fluorophenyl)-5-isopropyl-3-phenyl-4-(phenylcarbamoyl)-1H-pyrrol-1-yl)-3,5-	Pharmaceutical Analytical Impurity	Atorvastatin Calcium	F16010		345891-62-5	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A00820	Active	Atorvastatin Pyrrolidone Lactone (25 mg) (5-(4-Fluorophenyl)-1-{2-[(2R,4R)-4-hydroxy-6-oxotetrahydro-2H-pyran-2-yl]ethyl}-3-isopropyl-2-oxo-N,4-diphenyl-2,3-dihydro-1H-pyrrole-3-carboxamide)	Pharmaceutical Analytical Impurity	Atorvastatin Calcium	F194J0		906552-19-0	N/A	IN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A00810	Active	Atorvastatin Sodium Pyrrolidone Analog (25 mg) ((3R,5R)-5-(4-Fluorophenyl)-2,3-dihydro-3,5-dihydroxy-3-(1-methylethyl)-2-oxo-4-phenyl-3-[(phenylamino)carbonyl]-1H-pyrrole-1-heptanoic Acid	Pharmaceutical Analytical Impurity	Atorvastatin Calcium	F194H0		148217-40-7	N/A	IN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A00830	Active	Atorvastatin tert-Butyl Ester (25 mg) (tert-butyl (3R,5R)-7-(2-(4-fluorophenyl)-5-isopropyl-3-phenyl-4-(phenylcarbamoyl)-1H-pyrrol-1-yl)-3,5-dihydroxyheptanoate)	Pharmaceutical Analytical Impurity	Atorvastatin Calcium	F173P0		134395-00-9	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A00260	Active	Azacitidine Formyl Amidine Analog (25 mg) (INTERNATIONAL COLD CHAIN SHIPMENT REQUIRED) (N-(Formyl amidino)-N'-Beta-D-ribofuranosylurea)	Pharmaceutical Analytical Impurity	Azacitidine	R178D0	R17120	65126-88-7	N/A	IN	Chemical Synthesis		25 mg		2,932E+09	International Cold Chain Shipment Required	VIAL	No	No		
1A00270	Active	Azacitidine Isomer -3 (25 mg) (1-Beta-D-Ribofuranosyl-3-aminocarbonyl guanidine acetate)	Pharmaceutical Analytical Impurity	Azacitidine	F165P0		2775292-15-2	N/A	IN	Chemical Synthesis		25 mg		2,932E+09		VIAL	No	No		



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1A00850	Active	Azithromycin B (3-deoxyazithromycin) (25 mg) (COLD SHIPMENT REQUIRED)	Pharmaceutical Analytical Impurity	Azithromycin	F17910		307974-61-4	N/A	IN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A00860	Active	Azithromycin C (3'-O-demethylazithromycin) (25 mg)	Pharmaceutical Analytical	Azithromycin	F180L0		620169-47-3	N/A	IN	Chemical		25 mg		2,935E+09		VIAL	No	No		
1A02910	Active	Benzoylphenylacetone nitrile (25 mg) (3-Benzoylbenzeneacetone nitrile)	Pharmaceutical Analytical Impurity	Ketoprofen	F196N0		21288-34-6	N/A	IN	Chemical Synthesis		25 mg		2,927E+09		VIAL	No	No		
1A00540	Active	Bis((R)-butyramide) (10 mg) ((R)-2-amino-N-((R)-1-amino-1-oxobutan-2-yl)butanamide)	Pharmaceutical Analytical Impurity	Levetiracetam	F168B0		1867585-44-1	N/A	CN	Chemical Synthesis		10 mg		2,924E+09		VIAL	No	No		
1A01350	Active	Bis(2-methylaminoethyl) Ether (25 mg) (2,2'-oxybis(N,N-dimethylethan-1-amine))	Pharmaceutical Analytical Impurity	Clavulanate Potassium	F17550		3033-62-3	N/A	CN	Chemical Synthesis	UN2922	25 mg		2,922E+09		AMPULE	No	No		
1A01330	Active	Bis(2-methylaminoethyl) Ether Hydrochloride (25 mg) (2,2'-oxybis(N-methylethan-1-amine), hydrochloride)	Pharmaceutical Analytical Impurity	Clavulanate Potassium	F17530		295796-12-2	N/A	CN	Chemical Synthesis		25 mg		2,922E+09		VIAL	No	No		
1A00150	Active	Bis(dibenzothiazepinyl) Piperazine (25 mg) (1,4-Bis(dibenzo[b,f][1,4]thiazepin-11-yl)piperazine)	Pharmaceutical Analytical Impurity	Quetiapine fumarate		F158T0	945668-94-0	N/A				25 mg		2,935E+09			No	No		
1A01300	Active	Bis(dimethylaminoethyl) Ether Dihydrochloride (25 mg) (2,2'-oxybis(N,N-dimethylethan-1-amine), hydrochloride)	Pharmaceutical Analytical Impurity	Clavulanate Potassium	F17510		103526-47-2	N/A	CN	Chemical Synthesis		25 mg		2,922E+09		VIAL	No	No		
1A00690	Active	Bromobudesonide (25 mg) ((6aS,6bR,7S,8aS,8bS,11aR,12aS,12bS)-6b-bromo-7-hydroxy-8b-(2-hydroxyacetyl)-6a,8a-dimethyl-10-propyl-1,2,6a,6b,7,8,8a,8b,11a,12, 12a,12b-dodecahydro-4H-naphtho[2',1':4,5]indeno[1,2-d][1,3]dioxol-4-one)	Pharmaceutical Analytical Impurity	Budesonide	F177P0		313474-59-8	N/A	CN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A01370	Active	Budesonide 21-butyrate (25 mg) (2-((6aR,6bS,7S,8aS,8bS,11aR,12aS,12bS)-7-hydroxy-6a,8a-dimethyl-4-oxo-10-propyl-1,2,4,6a,6b,7,8,8a,11a,12,12a,12b-dodecahydro-8bH-naphtho[2',1':4,5]indeno[1,2-d][1,3]dioxol-8b-yl)-2-oxoethyl butyrate)	Pharmaceutical Analytical Impurity	Budesonide	F17560		2408495-96-3	N/A	CN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A00680	Active	Budesonide 9(11)-ene (25 mg) ((6aS,8aS,8bS,11aR,12aS,12bS)-8b-(2-hydroxyacetyl)-6a,8a-dimethyl-10-propyl-1,2,6a,8,8a,8b,11a,12,12a,12b-decahydro-4H-naphtho[2',1':4,5]indeno[1,2-d][1,3]dioxol-4-one)	Pharmaceutical Analytical Impurity	Budesonide	F17270		313474-58-7	N/A	CN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A00510	Active	Budesonide Acetaldehyde Acetal (25 mg) (16alpha,17-[[1(RS)-ethylidenebis(oxy)]-11beta,21-dihydroxypregna-1,4-diene-3,20-dione)	Pharmaceutical Analytical Impurity	Budesonide	F168A0		1040085-98-0	N/A	CN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A00500	Active	Budesonide D-homo Analog (10 mg) ((4aR,4bS,5S,6aS,7aR,10aR,11aS,11bS)-5-hydroxy-7a-(hydroxymethyl)-4a,6a-dimethyl-9-propyl-4b,6,6a,7a,10a,11,11a,11b,12,13-decahydrochryseno[2,3-d][1,3]dioxole-2,7(4aH,5H)-	Pharmaceutical Analytical Impurity	Budesonide	F16890		1040085-99-1	N/A	CN	Chemical Synthesis		10 mg		2,933E+09		VIAL	No	No		
1A02000	Active	Budesonide Pyruvic Acid (25 mg) (2-((6aR,6bS,7S,8aS,8bS,11aR,12aS,12bS)-7-hydroxy-6a,8a-dimethyl-4-oxo-10-propyl-1,2,4,6a,6b,7,8,8a,11a,12,12a,12b-dodecahydro-8bH-naphtho[2',1':4,5]indeno[1,2-d][1,3]dioxol-8b-yl)-2-oxoacetic acid)	Pharmaceutical Analytical Impurity	Budesonide	F18280		N/A	N/A	CN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A00410	Active	Budesonide Sulfate Triethylamine Salt (10 mg)	Pharmaceutical Analytical	Budesonide	F171B0		1436872-65-9	N/A	CN	Chemical		10 mg		2,933E+09		VIAL	No	No		
1A00890	Active	Carvedilol Bisalkylpyrocatechol derivative (25 mg) (3,3'-(2,2'-[1,2-Phenylenebis(oxy)]bis(ethane-2,1-diyl))bis(azanediy))bis(1-(9H-carbazol-4-yloxy)propan-2-	Pharmaceutical Analytical Impurity	Carvedilol	F181P0		1346602-98-9	N/A	IN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A00910	Active	Celecoxib Open Ring (25 mg) (4-((1,1,1-trifluoro-4-hydroxy-4-(p-tolyl)but-3-en-2-	Pharmaceutical Analytical Impurity	Celecoxib	F176Q0		N/A	N/A	CN	Chemical Synthesis		25 mg		2,936E+09		VIAL	No	No		
1A01450	Active	Chloro N-methylthiophene Carboxamide (25 mg) (5-chloro-N-methylthiophene-2-carboxamide)	Pharmaceutical Analytical Impurity	Rivaroxaban	F176W0		97799-98-9	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A02430	Active	Chlorobutoxyquinolinone (25 mg) (7-(4-chlorobutoxy)-3,4-dihydroquinolin-2(1H)-one)	Pharmaceutical Analytical Impurity	Aripiprazole	F184W0		120004-79-7	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		



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1A01560	Active	Chlorothiophene Aldehyde (25 mg) (5-chlorothiophene-2-carbaldehyde)	Pharmaceutical Analytical Impurity	Rivaroxaban	F17770		7283-96-7	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		AMPULE	No	No		
1A01180	Active	Chlorothiophene carboxylic acid (25 mg) (5-chlorothiophene-2-carboxylic acid)	Pharmaceutical Analytical Impurity	Rivaroxaban	F174R0		24065-33-6	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A00321	Active	Clindamycin 3-Phosphate (COLD SHIPMENT REQUIRED) (10 mg) (Methyl 7-chloro-6,7,8-trideoxy-6-[(2S,4R)-1-methyl-4-propylpyrrolidine-2-carboxamido]-1-thio-L-threo-alpha-D-galacto-octopyranoside 3-phosphate)	Pharmaceutical Analytical Impurity	Clindamycin Phosphate	F18940		28708-34-1	N/A	IN	Chemical Synthesis		10 mg		2,934E+09		VIAL	No	No		
1A02100	Active	Clopidogrel Acid N-Oxide (25 mg) (5-((S)-carboxy(2-chlorophenyl)methyl)-4,5,6,7-tetrahydrothieno[3,2-c]pyridine 5-oxide)	Pharmaceutical Analytical Impurity	Clopidogrel Bisulfate	F18730		1319197-73-3	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A01860	Active	Clopidogrel Amide (25 mg) ((S)-2-(2-chlorophenyl)-2-(6,7-dihydrothieno[3,2-c]pyridin-5(4H)-yl)acetamide)	Pharmaceutical Analytical Impurity	Clopidogrel Bisulfate	F178P0		444728-13-6	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A00420	Active	Clopidogrel Diester Analog (10 mg) (R)-1-(2-chlorophenyl)-2-methoxy-2-oxoethyl (S)-2-(2-chlorophenyl)-2-(6,7-dihydrothieno[3,2-c]pyridin-5(4H)-	Pharmaceutical Analytical Impurity	Clopidogrel Bisulfate	F16810		1421283-60-4 (free base)	N/A	CN	Chemical Synthesis		10 mg		2,935E+09		VIAL	No	No		
1A02120	Active	Clopidogrel Diester Enantiomer Sulfate (25 mg) ((S)-1-(2-chlorophenyl)-2-methoxy-2-oxoethyl (R)-2-(2-chlorophenyl)-2-(6,7-dihydrothieno[3,2-c]pyridin-5(4H)-	Pharmaceutical Analytical Impurity	Clopidogrel Bisulfate	F182B0		N/A	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A01730	Active	Clopidogrel Ethyl Ester Sulfate (25 mg) (ethyl (S)-2-(2-chlorophenyl)-2-(6,7-dihydrothieno[3,2-c]pyridin-5(4H)-yl)acetate, sulfate)	Pharmaceutical Analytical Impurity	Clopidogrel Bisulfate	F181G0		1332612-57-3	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A01890	Active	Clopidogrel N-Oxide (25 mg) (5-((S)-1-(2-chlorophenyl)-2-methoxy-2-oxoethyl)-4,5,6,7-tetrahydrothieno[3,2-c]pyridine 5-oxide)	Pharmaceutical Analytical Impurity	Clopidogrel Bisulfate	F178Q0		1319197-71-1	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A01700	Active	Clopidogrel Open Ring Hydrochloride (25 mg) (methyl (S)-2-(2-chlorophenyl)-2-((2-(thiophen-2-yl)ethyl)amino)acetate, hydrochloride)	Pharmaceutical Analytical Impurity	Clopidogrel Bisulfate	F177H0		141109-19-5	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A00430	Active	Clopidogrel Open Ring Methyl Ester Hydrochloride (10 mg) (methyl 2-(2-chlorophenyl)-2-((2-(thiophen-2-yl)ethyl)amino)acetate, hydrochloride)	Pharmaceutical Analytical Impurity	Clopidogrel Bisulfate	F16840		141109-18-4	N/A	CN	Chemical Synthesis		10 mg		2,935E+09		VIAL	No	No		
1A01900	Active	Clopidogrel Open Ring R-enantiomer (25 mg) (methyl (R)-2-(2-chlorophenyl)-2-((2-(thiophen-2-yl)ethyl)amino)acetate, hydrochloride)	Pharmaceutical Analytical Impurity	Clopidogrel Bisulfate	F179J0		1258938-54-3	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A01430	Active	Clopidogrel Piperidinylidene Analog (25 mg) ((E)-2-(1-(1-(2-chlorophenyl)-2-methoxy-2-oxoethyl)-4-((2-(3-methoxyphenyl)-2-oxoethyl)thio)piperidin-3-ylidene)acetic acid)	Pharmaceutical Analytical Impurity	Clopidogrel Bisulfate	F178M0		N/A	N/A	CN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A01380	Active	Clopidogrel Quaternary Salt (25 mg) (5-(1-(2-chlorophenyl)-2-methoxy-2-oxoethyl)-6,7-dihydrothieno[3,2-c]pyridin-5-ium, bromide)	Pharmaceutical Analytical Impurity	Clopidogrel Bisulfate	F177T0		2418591-12-3	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A01870	Active	Clopidogrel R-Enantiomer (25 mg) ((R)-2-(2-chlorophenyl)-2-(6,7-dihydrothieno[3,2-c]pyridin-5(4H)-	Pharmaceutical Analytical Impurity	Clopidogrel Bisulfate	F179H0		444728-15-8	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A01360	Active	Clopidogrel-Beta-D-glucuronide (10 mg) ((2S,3S,4S,5R,6S)-6-((S)-2-(2-chlorophenyl)-2-(6,7-dihydrothieno[3,2-c]pyridin-5(4H)-yl)acetoxo)-3,4,5-trihydroxytetrahydro-2H-pyran-2-carboxylic acid)	Pharmaceutical Analytical Impurity	Clopidogrel Bisulfate	F180M0		1314116-53-4	N/A	CN	Chemical Synthesis		10 mg		2,935E+09		VIAL	No	No		
1A00160	Active	Decarboxy Levofloxacin (25 mg) (S)-9-fluoro-3-methyl-7-oxo-10-(4-methylpiperazine-1-yl)-2,3-dihydro-7H-pyrindo [1,2,3-de] -1,4-benzoxazine)	Pharmaceutical Analytical Impurity	Levofloxacin	R184D0	R164A0	178964-53-9	N/A	IN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A00990	Active	Decarboxy Moxifloxacin (25 mg) (1-Cyclopropyl-6-fluoro-8-methoxy-7-[(4aS,7aS)-octahydro-6H-pyrrolo[3,4-b]pyridin-6-yl]-4-oxo-1,4-dihydroquinoline) (COLD SHIPMENT REQUIRED)	Pharmaceutical Analytical Impurity	Moxifloxacin	F178J0		1322062-57-6	N/A	IN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		



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1A01110	Active	Dehydro Desloratadine (25 mg) (8-chloro-11-(piperidin-4-ylidene)-11H-benzo[5,6]cyclohepta[1,2-b]pyridine)	Pharmaceutical Analytical Impurity	Desloratadine	F173W0		117811-20-8	N/A	CN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A02980	Active	Dehydro Ivabradine (25 mg) ((S)-3-3-(((3,4-dimethoxybicyclo[4.2.0]octa-1(6),2,4-trien-7-yl)methyl)(methyl)amino)propyl)-7,8-dimethoxy-1,3-dihydro-2H-benzo[d]azepin-2-one)	Pharmaceutical Analytical Impurity	Ivabradine Hydrochloride	F190D0		1086026-31-4	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A01210	Active	Deoxyprednisolone-16-ene Acetate (25 mg) (2-((8S,9S,10R,11S,13S,14S)-11-hydroxy-10,13-dimethyl-3-oxo-6,7,8,9,10,11,12,13,14,15-decahydro-3H-cyclopenta[a]phenanthren-17-yl)-2-oxoethyl acetate)	Pharmaceutical Analytical Impurity	Budesonide	F175T0		3044-42-6	N/A	CN	Chemical Synthesis		25 mg		2,919E+09		VIAL	No	No		
1A01100	Active	Deoxystreptamine Kanosaminide (25 mg) (6-O-(3-Amino-3-deoxy-alpha-D-glucopyranosyl)-2-deoxy-D-	Pharmaceutical Analytical Impurity	Tobramycin	F193J0		20744-51-8	N/A	IN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A00920	Active	Desaryl Celecoxib (25 mg) (5-(p-tolyl)-3-(trifluoromethyl)-1H-pyrazole)	Pharmaceutical Analytical Impurity	Celecoxib	F17440		948293-46-7	N/A	CN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A01080	Active	Desethylamiodarone (25 mg) (2-Butyl-3-benzofuranyl-4-[2-(ethylamino)ethoxy]-3,5-diiodophenyl Ketone Hydrochloride)	Pharmaceutical Analytical Impurity	Amiodarone	F176T0		96027-74-6	N/A	IN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A03040	Active	Desfluoro (3S,4R)-Paroxol (25 mg) (((3S,4R)-1-methyl-4-phenylpiperidin-3-yl)methanol)	Pharmaceutical Analytical Impurity	Paroxetine Mesylate	F19370		176022-03-0	N/A	CN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A01740	Active	Desfluorociprofloxacin Hydrochloride (25 mg) (1-cyclopropyl-4-oxo-7-(piperazin-1-yl)-1,4-dihydroquinoline-3-carboxylic acid, hydrochloride)	Pharmaceutical Analytical Impurity	Ciprofloxacin	F181H0		2727369-47-1	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A01750	Active	Desfluorocitalopram Oxalate (25 mg) (1-(3-(dimethylamino)propyl)-1-phenyl-1,3-dihydroisobenzofuran-5-carbonitrile, oxalate)	Pharmaceutical Analytical Impurity	Escitalopram	F17810		1093072-86-6	N/A	CN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A00720	Active	Desiodoamiodarone (25 mg) ((2-butylbenzofuran-3-yl)(4-(2-(diethylamino)ethoxy)phenyl)methanone)	Pharmaceutical Analytical Impurity	Amiodarone	F17280		23551-25-9	N/A	CN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A02130	Active	Desloratadine N-oxide (25 mg) (8-Chloro-6,11-dihydro-11-(4-piperidinylidene)-5H-benzo[5,6]cyclohepta[1,2-b]pyridine 1-Oxide)	Pharmaceutical Analytical Impurity	Desloratadine	F19080		169253-26-3	N/A	IN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A00060	Active	Desmethoxy Omeprazole (25 mg) (2-(((3,5-dimethylpyridin-2-yl)methyl)sulfinyl)-5-methoxy-1H-benzo[d]imidazole; 2-(((RS)-((3,5-Dimethylpyridin-2-yl)methyl)sulfinyl)-5-methoxy-1H-benzimidazole)	Pharmaceutical Analytical Impurity	Omeprazole	R18580	F15098	110374-16-8	N/A	CN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A02810	Active	Desmethyl Promethazine Hydrochloride (25 mg) (N-methyl-1-(10H-phenothiazin-10-yl)propan-2-amine,	Pharmaceutical Analytical Impurity	Promethazine	F18790		60113-77-1	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A01420	Active	Desonide 21-Acetate (2-(((6aR,6bS,7S,8aS,8bS,11aR,12aS,12bS)-7-Hydroxy-6a,8a,10,10-tetramethyl-4-oxo-1,2,4,6a,6b,7,8,8a,11a,12,12a,12b-dodecahydro-8bH-naphtho[2',1':4,5]indeno[1,2-d][1,3]dioxol-8b-yl)-2-oxoethyl acetate)	Pharmaceutical Analytical Impurity	Budesonide	F17570		25092-25-5	N/A	CN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A00220	Active	Desoximetasone Acid (25 mg) (COLD SHIPMENT) ((11Beta,16alpha,17Beta)-9-Fluoro-11-hydroxy-16-methyl-3-oxoandrosta-1,4-diene-17-carboxylic acid; 9-Fluoro-11Beta-hydroxy-16alpha-methyl-3-oxoandrosta-1,4-diene-17Beta-carboxylic acid)	Pharmaceutical Analytical Impurity	Dexamethasone	F162L0		75262-69-0	N/A	IN	Chemical Synthesis		25 mg		2,919E+09	Cold Shipment Required	VIAL	No	No		
1A01480	Active	Desthiophenerivaroxaban Methylcarbamate Analog (25 mg) (methyl ((2-oxo-3-(4-(3-oxomorpholino)phenyl)oxazolidin-5-	Pharmaceutical Analytical Impurity	Rivaroxaban	F17700		1838139-08-4	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A01500	Active	Desthiophenerivaroxaban Phthalimodo Analog (25 mg) ((R)-2-((2-oxo-3-(4-(3-oxomorpholino)phenyl)oxazolidin-5-yl)methyl)isoindoline-1,3-dione)	Pharmaceutical Analytical Impurity	Rivaroxaban	F17720		1424944-35-3	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		



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1A00090	Active	Dexamethasone Enol-Pyruvaldehyde Analog (25 mg) ((Z)-2-((8S,9R,10S,11S,13S,14S,16R)-9-fluoro-11-hydroxy-10,13,16-trimethyl-3-oxo-3,6,7,8,9,10,11,12,13,14,15,16-dodecahydro-17H-cyclopenta[a]phenanthren-17-ylidene)-2-hydroxyacetaldehyde)	Pharmaceutical Analytical Impurity	Dexamethasone	F16020		1174035-75-6	N/A	CN	Chemical Synthesis		25 mg		2,915E+09		VIAL	No	No		
1A00340	Active	Dexamethasone Ethyl Ester (25 mg) (COLD SHIPMENT REQUIRED) (Ethyl 11Beta,17alpha-dihydroxy-9-fluoro-16alpha-methylandrostan-1,4-diene-3-one-17-ylcarboxylate)	Pharmaceutical Analytical Impurity	Dexamethasone	F169D0		37926-77-5	N/A	IN	Chemical Synthesis		25 mg		2,919E+09	Cold Shipment Required	VIAL	No	No		
1A00300	Active	Dexamethasone Formate (25 mg) (COLD SHIPMENT REQUIRED) ((8S,9R,10S,11S,13S,14S,16R,17R)-9-fluoro-17-(formyloxy)-11-hydroxy-10,13,16-trimethyl-3-oxo-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthrene-17-carboxylic acid)	Pharmaceutical Analytical Impurity	Dexamethasone	F169B0		473273-04-0	N/A	IN	Chemical Synthesis		25 mg		2,919E+09		VIAL	No	No		
1A00770	Active	Diamino Atorvastatin Calcium (25 mg) (Calcium (3R,5R)-7-[[[(3R,5R)-7-[2-(4-fluorophenyl)-5-(1-methylethyl)-3-phenyl-4-(phenylcarbamoyl)-1H-pyrrol-1-yl]-3,5-dihydroxyheptanoyl]amino]-3,5-dihydroxyheptanoate)	Pharmaceutical Analytical Impurity	Atorvastatin Calcium	F177Q0		1105067-87-5	N/A	IN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A03260	Active	Dibenzazepinodione (50 mg) (5H-dibenzo[b,f]azepine-10,11-dione)	Pharmaceutical Analytical Impurity		F19510		19579-83-0	N/A	CN	Chemical Synthesis		50 mg		2,934E+09		VIAL	No	No		
1A02260	Active	Dichlorothiophene Carboxylic Acid (25 mg) (4,5-dichlorothiophene-2-carboxylic acid)	Pharmaceutical Analytical Impurity	Rivaroxaban	F182G0		31166-29-7	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A01580	Active	Dichlorothiophene Carboxylic Acid (25 mg) (3,5-dichlorothiophene-2-carboxylic acid)	Pharmaceutical Analytical Impurity	Rivaroxaban	F17790		89166-94-9	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A02400	Active	Diisobutyl Diazecinedione (25 mg) (4,9-Diisobutyl-1,6-diazecane-2,7-dione)	Pharmaceutical Analytical Impurity	Pregabalin	F184T0		1990538-03-8	N/A	IN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A01320	Active	Dimethylethylamine Hydrochloride (25 mg) (N,N-dimethylethylamine, hydrochloride)	Pharmaceutical Analytical Impurity	Clavulanate Potassium	F17520		58114-25-3	N/A	CN	Chemical Synthesis		25 mg		2,921E+09		VIAL	No	No		
1A01600	Active	Diphthalimido Morpholinone Analog (25 mg) (2,2'-((2R,2'R)-((4-(3-oxomorpholino)phenyl)azanediyl)bis(2-hydroxypropane-3,1-diyl))bis(isoindoline-1,3-dione))	Pharmaceutical Analytical Impurity	Rivaroxaban	F177B0		1643354-27-1	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A00250	Active	Donepezil Quaternary Salt (Donepezilbenzyl Bromide) (25 mg) (1,1-dibenzyl-4-((5,6-dimethoxy-1-oxo-2,3-dihydro-1H-inden-2-yl)methyl)piperidin-1-ium, bromide; 1,1-dibenzyl-4-((5,6-dimethoxy-1-oxoindan-2-yl)methyl)piperidinium, bromide)	Pharmaceutical Analytical Impurity	Donepezil Hydrochloride	R178C0	F16030	844694-85-5	N/A	CN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A00940	Active	Duloxetine 4-Naphthyl Isomer Hydrobromide (25 mg) (4-(3-(methylamino)-1-(thiophen-2-yl)propyl)naphthalen-1-ol, hydrobromide)	Pharmaceutical Analytical Impurity	Duloxetine	F173T0		949096-01-9	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A00960	Active	Duloxetine Alcohol (25 mg) ((R)-3-(methylamino)-1-(thiophen-2-yl)propan-1-ol)	Pharmaceutical Analytical Impurity	Duloxetine	F173U0		116539-57-2	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A02170	Active	Duloxetine Phenylcarbamate (50 mg) (phenyl (S)-methyl(3-(naphthalen-1-yloxy)-3-(thiophen-2-	Pharmaceutical Analytical Impurity	Duloxetine	F18350		947686-09-1	N/A	CN	Chemical Synthesis		50 mg		2,935E+09		VIAL	No	No		
1A02190	Active	Duloxetine Phthalamide (25 mg) ((S)-2-(methyl(3-(naphthalen-1-yloxy)-3-(thiophen-2-yl)propyl)carbamoyl)benzoic acid)	Pharmaceutical Analytical Impurity	Duloxetine	F18360		199191-67-8	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A02200	Active	Duloxetine Regioisomer (25 mg) (2-(2-(3-(methylamino)propyl)thiophen-3-yl)naphthalen-1-ol)	Pharmaceutical Analytical Impurity	Duloxetine	F184P0		940291-11-2	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A00950	Active	Duloxetine beta-Naphthol-1-yl Isomer (25 mg) (2-(3-(Methylamino)-1-(thiophen-2-yl)propyl)naphthalen-1-ol)	Pharmaceutical Analytical Impurity	Duloxetine	F177R0		1033803-59-6	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A02740	Active	Epinephrine Hydrochloride Methoxy Analog (25 mg) (4-(1-methoxy-2-(methylamino)ethyl)benzene-1,2-diol, hydrochloride)	Pharmaceutical Analytical Impurity	Epinephrine	F18780		74571-90-7	N/A	CN	Chemical Synthesis		25 mg		2,923E+09		VIAL	No	No		



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1A01780	Active	Escitalopram Acid Analog (25 mg) (1-(3-(dimethylamino)propyl)-1-(4-fluorophenyl)-1,3-dihydroisobenzofuran-5-carboxylic acid)	Pharmaceutical Analytical Impurity	Escitalopram	F180N0		440121-09-5	N/A	IN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A01760	Active	Escitalopram Open Ring (25 mg) (4-[4-(Dimethylamino)-1-(4-fluorophenyl)-1-hydroxybutyl]-3-(hydroxymethyl)benzotrile)	Pharmaceutical Analytical Impurity	Escitalopram	F17820		103146-25-4	N/A	IN	Chemical Synthesis	UN3077	25 mg		2,927E+09		VIAL	No	No		
1A00360	Active	Ethylpyrazinediethanol (10 mg) (2,2'-(3-ethylpyrazine-2,5-diyl)bis(ethan-1-ol))	Pharmaceutical Analytical Impurity	Clavulanate Potassium	F167Y0		86917-74-0	N/A	CN	Chemical Synthesis		10 mg		2,934E+09		VIAL	No	No		
1A01920	Active	Fexofenadine N-oxide (25 mg) (1-(4-(4-(2-carboxypropan-2-yl)phenyl)-4-hydroxybutyl)-4-(hydroxydiphenylmethyl)piperidine 1-oxide)	Pharmaceutical Analytical Impurity	Fexofenadine	F179L0		1422515-52-3	N/A	CN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A00731	Active	Fexofenadine Olefin (25 mg) (2-(4-(4-(diphenylmethylene)piperidin-1-yl)-1-hydroxybutyl)phenyl)-2-methylpropanoic acid)	Pharmaceutical Analytical Impurity	Fexofenadine	F17290		1187954-57-9	N/A	CN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A01000	Active	Floxacin Amine (25 mg) (7-amino-1-cyclopropyl-6-fluoro-8-methoxy-4-oxo-1,4-dihydroquinoline-3-carboxylic acid)	Pharmaceutical Analytical Impurity	Moxifloxacin	F174M0		172426-88-9	N/A	CN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A00120	Active	Fluoroandrostadiene Carboxylic Acid (25 mg) ((8S,9R,10S,11S,13S,14S,16R,17R)-9-fluoro-11,17-dihydroxy-10,13,16-trimethyl-3-oxo-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthrene-17-carboxylic acid)	Pharmaceutical Analytical Impurity	Dexamethasone	F159R0		37927-01-8	N/A	CN	Chemical Synthesis		25 mg		2,919E+09		VIAL	No	No		
1A00700	Active	Fluticasone Propionate Acid (25 mg) ((6S,8S,9R,10S,11S,13S,14S,16R,17R)-6,9-difluoro-11-hydroxy-10,13,16-trimethyl-3-oxo-17-(propionyloxy)-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthrene-17-carboxylic acid)	Pharmaceutical Analytical Impurity	Fluticasone Propionate	F172M0		65429-42-7	N/A	CN	Chemical Synthesis		25 mg		2,919E+09		VIAL	No	No		
1A01130	Active	Fluticasone Propionate Trisulfide (25 mg)	Pharmaceutical Analytical Impurity	Fluticasone Propionate	F176V0		960071-64-1	N/A	CN	Chemical Synthesis		25 mg		2,931E+09		VIAL	No	No		
1A01120	Active	Fluticasone sulfenic acid (25 mg) ((6S,8S,9R,10S,11S,13S,14S,16R,17R)-6,9-difluoro-11-hydroxy-10,13,16-trimethyl-3-oxo-17-(propionyloxy)-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthrene-17-carbo(thioperoxy) O-	Pharmaceutical Analytical Impurity	Fluticasone Propionate	F174N0		948566-12-9	N/A	CN	Chemical Synthesis		25 mg		2,931E+09		VIAL	No	No		
1A02890	Active	Guanylmelamine Dinitrate (25 mg) (1-(4,6-diamino-1,3,5-triazin-2-yl)guanidine, nitrate)	Pharmaceutical Analytical Impurity	Metformin Hydrochloride	F19360		27369-26-2	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A03110	Active	Hydroxy Ivabradine (25 mg) (3-(3-hydroxypropyl)-7,8-dimethoxy-1,3,4,5-tetrahydro-2H-benzof[d]azepin-2-one)	Pharmaceutical Analytical Impurity	Ivabradine Hydrochloride	F189U0		1235547-07-5	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A00310	Active	Hydroxyisobutyl Acetophenone (25 mg) (COLD SHIPMENT REQUIRED) (1-(4-(1-hydroxy-2-methylpropyl)phenyl)ethan-1-one)	Pharmaceutical Analytical Impurity	Ibuprofen	F169C0		1314907-71-5	N/A	IN	Chemical Synthesis		25 mg		2,914E+09		VIAL	No	No		
1A00040	Active	Hydroxythiadiazol Sulfoxide Derivative (25 mg) (4-morpholino-1,2,5-thiadiazol-3(2H)-one 1-oxide)	Pharmaceutical Analytical Impurity	Timolol	R184K0	F15960	75202-36-7	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A00480	Active	Ibuprofen Tetraethylene Glycol Diester (25 mg) (((oxybis(ethane-2,1-diyl))bis(oxy))bis(ethane-2,1-diyl)bis(2-(4-isobutylphenyl)propanoate)))	Pharmaceutical Analytical Impurity	Ibuprofen	F16880		1161014-75-0	N/A	CN	Chemical Synthesis		25 mg		2,919E+09		VIAL	No	No		
1A01910	Active	Iodoflucicase Propionate (25 mg)	Pharmaceutical Analytical Impurity	Fluticasone Propionate	F179K0		80474-67-5	N/A	CN	Chemical Synthesis		25 mg		2,931E+09		VIAL	No	No		
1A01840	Active	Isobutylglutaramonoamide (25 mg) (3-(2-Amino-2-oxoethyl)-5-methylhexanoic Acid)	Pharmaceutical Analytical Impurity	Pregabalin	F17870		181289-15-6	N/A	IN	Chemical Synthesis		25 mg		2,924E+09		VIAL	No	No		
1A01830	Active	Isobutylglutaramonoamide (R-isomer) (25 mg) ((R)-3-(2-amino-2-oxoethyl)-5-methylhexanoic acid)	Pharmaceutical Analytical Impurity	Pregabalin	F180P0		181289-33-8	N/A	IN	Chemical Synthesis		25 mg		2,924E+09		VIAL	No	No		
1A00290	Active	Isopropyl 4-acetylbenzoate (COLD SHIPMENT REQUIRED) (25 mg) (Isopropyl 4-acetylbenzoate)	Pharmaceutical Analytical Impurity	Ibuprofen	F169A0		220089-22-5	N/A	IN	Chemical Synthesis		25 mg		2,918E+09		AMPULE	No	No		
1A02050	Active	Isotachysterol3 (25 mg) (COLD SHIPMENT REQUIRED) (S)-4-methyl-3-((E)-2-((1R,7aR)-7a-methyl-1-((R)-6-methylheptan-2-yl)-2,3,5,6,7,7a-hexahydro-1H-inden-4-yl)vinyl)cyclohex-3-en-1-ol)	Pharmaceutical Analytical Impurity	Cholecalciferol	F183X0		22350-43-2	N/A	IN	Chemical Synthesis		25 mg		2,906E+09	Cold Shipment Required	VIAL	No	No		



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1A02940	Active	Ivabradine Amine Hydrochloride (25 mg) ((S)-1-(3,4-dimethoxybicyclo[4.2.0]octa-1(6),2,4-trien-7-yl)-N-methylmethanamine, hydrochloride)	Pharmaceutical Analytical Impurity	Ivabradine Hydrochoride	F189Y0		866783-13-3	N/A	CN	Chemical Synthesis		25 mg		2,922E+09		VIAL	No	No		
1A03160	Active	Ivabradine Bisbenzazepine Analog (25 mg) (3,3'-(propane-1,3-diyl)bis(7,8-dimethoxy-1,3,4,5-tetrahydro-2H-benzo[d]azepin-2-one))	Pharmaceutical Analytical Impurity	Ivabradine Hydrochoride	F189X0		2731089-65-7	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A03150	Active	Ivabradine Chloroveratryl Analog Hydrochloride (25 mg) (3-(3-(3-chloro-2-(3,4-dimethoxyphenyl)propyl)(methylamino)propyl)-7,8-dimethoxy-1,3,4,5-tetrahydro-2H-benzo[d]azepin-2-one, hydrochloride)	Pharmaceutical Analytical Impurity		F189W0		N/A	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A03090	Active	Ivabradine N-Oxide (25 mg) (3-(7,8-dimethoxy-2-oxo-1,2,4,5-tetrahydro-3H-benzo[d]azepin-3-yl)-N-(((S)-3,4-dimethoxybicyclo[4.2.0]octa-1(6),2,4-trien-7-yl)methyl)-N-methylpropan-1-amine oxide)	Pharmaceutical Analytical Impurity	Ivabradine Hydrochoride	F189Q0		2511244-97-4	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A03130	Active	Ivabradine Open Ring (25 mg) ((S)-2-(2-((3-(3,4-dimethoxybicyclo[4.2.0]octa-1(6),2,4-trien-7-yl)methyl)(methylamino)propyl)amino)ethyl)-4,5-dimethoxyphenyl)acetic acid)	Pharmaceutical Analytical Impurity	Ivabradine Hydrochoride	F193G0		1462470-54-7	N/A	CN	Chemical Synthesis		25 mg		2,923E+09		VIAL	No	No		
1A03120	Active	Ivabradine R-Enantiomer Hydrochloride (25 mg) ((R)-3-(3-(((3,4-dimethoxybicyclo[4.2.0]octa-1(6),2,4-trien-7-yl)methyl)(methylamino)propyl)-7,8-dimethoxy-1,3,4,5-tetrahydro-2H-benzo[d]azepin-2-one, hydrochloride)	Pharmaceutical Analytical Impurity	Ivabradine Hydrochoride	F189V0		148849-68-7	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A03140	Active	Ivabradine Veratryl Analog Hydrochloride (25 mg) (3-(3-((2-(3,4-dimethoxyphenyl)propyl)(methylamino)propyl)-7,8-dimethoxy-1,3,4,5-tetrahydro-2H-benzo[d]azepin-2-one, hydrochloride)	Pharmaceutical Analytical Impurity	Ivabradine Hydrochoride	F193H0		N/A	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A01800	Active	Lacosamide Acrylamide Analog (25 mg) (2-Acetamido-N-benzylacrylamide)	Pharmaceutical Analytical Impurity	Lacosamide	F17840		86921-49-5	N/A	IN	Chemical Synthesis		25 mg		2,924E+09		VIAL	No	No		
1A02340	Active	Lactosyl Pregabalin Pyrrolidone (25 mg) ((S)-1-((2R,3R,4R,5S,6R)-3,4-dihydroxy-6-(hydroxymethyl)-5-(((2S,3R,4S,5R,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)tetrahydro-2H-pyran-2-yl)oxy)tetrahydro-2H-pyran-2-yl)-4-isobutylpyrrolidin-2-	Pharmaceutical Analytical Impurity	Pregabalin	F18430		466678-44-4	N/A	IN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A01960	Active	Levamlodipine (25 mg) (3-ethyl 5-methyl (S)-2-((2-aminoethoxy)methyl)-4-(2-chlorophenyl)-6-methyl-1,4-dihydropyridine-3,5-dicarboxylate)	Pharmaceutical Analytical Impurity	Amlodipine	F18310		103129-82-4	N/A	IN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A02220	Active	Levetiracetam Crotonamide (10 mg) ((Z)-2-(2-oxopyrrolidin-1-yl)but-2-enamide)	Pharmaceutical Analytical Impurity	Levetiracetam	F182D0		358629-47-7	N/A	CN	Chemical Synthesis		10 mg		2,934E+09		VIAL	No	No		
1A00710	Active	Methoxyamiodarone (25 mg) ([2-[(1RS)-1-Methoxybutyl]benzofuran-3-yl][4-[2-(diethylamino)ethoxy]-3,5-diiodophenyl]methanone)	Pharmaceutical Analytical Impurity	Amiodarone	F194P0		1087223-70-8	N/A	IN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A01940	Active	Methoxycyclohexanol methacrylic aldehyde (25 mg) ((E)-3-((1R,3R,4R)-4-hydroxy-3-methoxycyclohexyl)-2-methylacrylaldehyde)	Pharmaceutical Analytical Impurity	Tacrolimus	F180Q0		109466-74-2	N/A	CN	Chemical Synthesis		25 mg		2,912E+09		VIAL	No	No		
1A01710	Active	Methyl 2-chloro-Beta-D-phenylalanine (25 mg) (methyl (R)-2-amino-2-(2-chlorophenyl)acetate, hydrochloride)	Pharmaceutical Analytical Impurity	Clopidogrel Bisulfate	F177J0		212838-70-5	N/A	CN	Chemical Synthesis		25 mg		2,922E+09		VIAL	No	No		
1A00930	Active	Methyl p-Toluate (25 mg) (Methyl 4-methylbenzoate)	Pharmaceutical Analytical Impurity	Celecoxib	F178G0		99-75-2	N/A	IN	Chemical		25 mg		2,916E+09		VIAL	No	No		
1A01490	Active	Methylisindolinedione (25 mg) (2-methylisindoline-1,3-dione)	Pharmaceutical Analytical Impurity	Rivaroxaban	F17710		550-44-7	N/A	CN	Chemical Synthesis		25 mg		2,925E+09		VIAL	No	No		
1A01090	Active	Monoiodoamiodarone (25 mg) ((2-Butylbenzofuran-3-yl)[4-[2-(diethylamino)ethoxy]-3-iodophenyl]methanone)	Pharmaceutical Analytical Impurity	Amiodarone		F176U0	85642-08-6	N/A				25 mg		2,933E+09			No	No		
1A01670	Active	N-Acetyl Desloratadine (25 mg) (1-[4-(8-Chloro-5,6-dihydro-11H-benzo[5,6]cyclohepta[1,2-b]pyridin-11-ylidene)-1-piperidinyl]ethanone)	Pharmaceutical Analytical Impurity	Desloratadine	F177Y0		117796-52-8	N/A	IN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		



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1A02500	Active	N-Alkyl Aripiprazole (25 mg) (7-(4-(4-(2,3-dichlorophenyl)piperazin-1-yl)butoxy)-1-(4-((2-oxo-1,2,3,4-tetrahydroquinolin-7-yl)oxy)butyl)-3,4-dihydroquinolin-2(1H)-one)	Pharmaceutical Analytical Impurity	Aripiprazole	F184V0		1424857-63-5	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A01810	Active	N-Benzylacetamide (N-Acetylbenzylamine) (25 mg)	Pharmaceutical Analytical Impurity	Lacosamide	F17850		588-46-5	N/A	IN	Chemical Synthesis		25 mg		2,924E+09		VIAL	No	No		
1A02960	Active	N-Desmethyl Ivabradine Hydrochloride (25 mg) (3-[3-[[[(7S)-3,4-dimethoxybicyclo[4.2.0]octa-1,3,5-trien-7-yl]methyl]amino]propyl]-1,3,4,5-tetrahydro-7,8-dimethoxy-2H-3-benzazepin-2-one, hydrochloride)	Pharmaceutical Analytical Impurity	Ivabradine Hydrochloride	F19000		1246638-08-3	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A00180	Active	N-Ethyl Quetiapine (25 mg) (11-(4-Ethylpiperazin-1-yl)dibenzo[b,f][1,4]thiazepine hydrochloride)	Pharmaceutical Analytical Impurity	Quetiapine fumarate	F158V0		1011758-03-4 (Free base)	N/A	IN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A01660	Active	N-Hydroxy Desloratadine (25 mg) (4-(8-Chloro-5,6-dihydro-benzo[5,6]cyclohepta[1,2-b]pyridin-11-ylidene)-piperidin-1-ol)	Pharmaceutical Analytical Impurity	Desloratadine	F177X0		1193725-73-3	N/A	IN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A00230	Active	N-Isopropyl Carvedilol (25 mg) (1-(9H-Carbazol-4-yloxy)-3-[[2-(2-methoxyphenoxy)ethyl](1-methylethyl)amino]-2-propanol)	Pharmaceutical Analytical Impurity	Carvedilol	F163Q0		1246819-01-1	N/A	IN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A02210	Active	N-Methyl Duloxetine 3-Isomer Oxalate (25 mg) ((R)-N,N-dimethyl-3-(naphthalen-1-yloxy)-3-(thiophen-3-yl)propan-1-amine, oxalate)	Pharmaceutical Analytical Impurity	Duloxetine	F182C0		N/A	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A00970	Active	N-Methyl Duloxetine Oxalate (25 mg) ((S)-N,N-dimethyl-3-(naphthalen-1-yloxy)-3-(thiophen-2-yl)propan-1-amine, oxalate)	Pharmaceutical Analytical Impurity	Duloxetine	F173V0		132335-47-8	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A01790	Active	N-Methyl Lacosamide (25 mg) ((R)-2-(N-methylacetamido)-N-benzyl-3-methoxypropanamide)	Pharmaceutical Analytical Impurity	Lacosamide		F17830	2742962-60-1	N/A				25 mg		2,924E+09			No	No		
1A02310	Active	N-Methyl rac-Lacosamide (25 mg) (2-acetamido-N-benzyl-3-methoxy-N-methylpropanamide)	Pharmaceutical Analytical Impurity	Lacosamide	F18410		388619-64-5	N/A	IN	Chemical Synthesis		25 mg		2,924E+09		VIAL	No	No		
1A03010	Active	N-Phenoxy carbonyl Paroxetine (25 mg) (phenyl (3S,4R)-3-((benzo[d][1,3]dioxol-5-yloxy)methyl)-4-(4-fluorophenyl)piperidine-1-carboxylate)	Pharmaceutical Analytical Impurity	Paroxetine Mesylate	F19030		253768-88-6	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A02580	Active	N1-(2-Chloroethyl)-N2-(2,3-dichlorophenyl)ethane-1,2-diamine hydrochloride (25 mg) (N1-(2-chloroethyl)-N2-(2,3-dichlorophenyl)ethane-1,2-diamine, hydrochloride)	Pharmaceutical Analytical Impurity	Aripiprazole	F18700		2748335-71-7	N/A	CN	Chemical Synthesis		25 mg		2,922E+09		VIAL	No	No		
1A00530	Active	N6-(1-Iminoethyl)-D-lysine (10 mg) ((2R)-2-((2S)-2-Aminobutanamido)butanamide)	Pharmaceutical Analytical Impurity	Levetiracetam	F17020		1844123-52-9	N/A	CN	Chemical Synthesis		10 mg		2,924E+09		VIAL	No	No		
1A00390	Active	Nebramine (10 mg) ((1S,2R,3R,4S,6R)-4,6-diamino-3-(((2R,3R,5S,6R)-3-amino-6-(aminomethyl)-5-hydroxytetrahydro-2H-pyran-2-yl)oxy)cyclohexane-1,2-	Pharmaceutical Analytical Impurity	Tobramycin	F167T0		34051-04-2	N/A	CN	Chemical Synthesis		10 mg		2,933E+09		VIAL	No	No		
1A01590	Active	Nitrophenylchlorothiophene Carboxylate (25 mg) (4-nitrophenyl 5-chlorothiophene-2-carboxylate)	Pharmaceutical Analytical Impurity	Rivaroxaban	F177A0		1450877-56-1	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A01010	Active	Olanzapine lactam (25 mg) ((Z)-4-(4-methylpiperazin-1-yl)-3-(2-oxopropylidene)-1,3-dihydro-2H-benzo[b][1,4]diazepin-2-one)	Pharmaceutical Analytical Impurity	Olanzapine	F175R0		1017241-34-7	N/A	IN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A01020	Active	Olanzapine thiolactam (25 mg) ((Z)-1-(4-(4-Methylpiperazin-1-yl)-2-thioxo-1,2-dihydro-3H-benzo[b][1,4]diazepin-3-ylidene)propan-2-one)	Pharmaceutical Analytical Impurity	Olanzapine	F175S0		1017241-36-9	N/A	IN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A01720	Active	Open Ring N-Methyl Clopidogrel Hydrochloride (25 mg) (methyl (S)-2-(2-chlorophenyl)-2-(methyl(2-(thiophen-2-yl)ethyl)amino)acetate, hydrochloride)	Pharmaceutical Analytical Impurity	Clopidogrel Bisulfate	F177K0		N/A	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A03000	Active	Paroxetine Hydrochloride Catechol Analog (25 mg) (4-(((3S,4R)-4-(4-fluorophenyl)piperidin-3-yl)methoxy)benzene-1,2-diol, hydrochloride)	Pharmaceutical Analytical Impurity	Paroxetine Mesylate	F193C0		1394861-12-1	N/A	CN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		
1A02990	Active	Paroxetine Hydrochloride Piperidinmethanol Analog (25 mg) (((3S,4R)-4-(4-fluorophenyl)piperidin-3-yl)methanol, hydrochloride)	Pharmaceutical Analytical Impurity	Paroxetine Mesylate	F19020		220548-73-2	N/A	CN	Chemical Synthesis		25 mg		2,933E+09		VIAL	No	No		



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1A03050	Active	Paroxetine Methoxy Analog (25 mg) ((3R,4S)-3-((benzo[d][1,3]dioxol-5-yloxy)methyl)-4-(4-methoxyphenyl)piperidine, hydrochloride)	Pharmaceutical Analytical Impurity		F19040		N/A	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A03060	Active	Paroxol (25 mg) ((4R,3S)-4-(4-Fluorophenyl)-1-methyl-3-piperidinemethanol)	Pharmaceutical Analytical Impurity	Paroxetine Mesylate	F190P0		105812-81-5	N/A	IN	Chemical Synthesis	UN3077	25 mg		2,933E+09		VIAL	No	No		
1A01140	Active	Pemetrexed Acid (25 mg) (4-(2-(2-amino-4-oxo-4,7-dihydro-3H-pyrrolo[2,3-d]pyrimidin-5-yl)ethyl)benzoic	Pharmaceutical Analytical Impurity	Pemetrexed	F173X0		137281-39-1	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A00630	Active	Pemetrexed Acid N-Hydroxysuccinimide Ester (25 mg) (2,5-dioxopyrrolidin-1-yl 4-(2-(2-amino-4-oxo-4,7-dihydro-3H-pyrrolo[2,3-d]pyrimidin-5-yl)ethyl)benzoate)	Pharmaceutical Analytical Impurity	Pemetrexed	F171M0		204257-65-8	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A00640	Active	Pemetrexed Dimethyl Ester (25 mg) (dimethyl 4-(2-(2-amino-4-oxo-4,7-dihydro-1H-pyrrolo[2,3-d]pyrimidin-5-yl)ethyl)benzoyl)-L-glutamate)	Pharmaceutical Analytical Impurity	Pemetrexed	F17260		155405-81-5	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A00620	Active	Pemetrexed Disodium Enantiomer (25 mg) ((2R)-2-[[4-(2-(2-amino-4-oxo-4,7-dihydro-1H-pyrrolo[2,3-d]pyrimidin-5-yl)ethyl)benzoyl]amino]pentanedioic acid, sodium salt)	Pharmaceutical Analytical Impurity	Pemetrexed	F171L0		937370-10-0	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A01150	Active	Pemetrexed Glutamide Sodium (25 mg) ((S)-4-((S)-4-(4-(2-(2-amino-4-oxo-4,7-dihydro-3H-pyrrolo[2,3-d]pyrimidin-5-yl)ethyl)benzamido)-4-carboxybutanamido)-4-carboxybutanoate, sodium salt)	Pharmaceutical Analytical Impurity	Pemetrexed	F177S0		144051-68-3 (free acid)	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A00610	Active	Pemetrexed Glutamide Trisodium Salt (25 mg) (((S)-4-(4-(2-(2-amino-4-oxo-4,7-dihydro-1H-pyrrolo[2,3-d]pyrimidin-5-yl)ethyl)benzamido)-4-carboxybutanoyl)-L-glutamic acid, sodium salt)	Pharmaceutical Analytical Impurity	Pemetrexed	F171K0		1265908-59-5	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A02360	Active	Pemetrexed Sodium 1-Methyl Ester (25 mg) ((S)-4-(4-(2-(2-amino-4-oxo-4,7-dihydro-3H-pyrrolo[2,3-d]pyrimidin-5-yl)ethyl)benzamido)-5-methoxy-5-oxopentanoic acid, sodium salt)	Pharmaceutical Analytical Impurity	Pemetrexed	F184R0		1265908-61-9	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A02370	Active	Pemetrexed Sodium 5-Methyl Ester (25 mg) ((S)-2-(4-(2-(2-amino-4-oxo-4,7-dihydro-3H-pyrrolo[2,3-d]pyrimidin-5-yl)ethyl)benzamido)-5-methoxy-5-oxopentanoic acid, sodium salt)	Pharmaceutical Analytical Impurity	Pemetrexed	F184S0		1265908-60-8	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A02230	Active	Pemetrexed Tromethamide (25 mg) (N2-(4-(2-(2-amino-4-oxo-4,7-dihydro-3H-pyrrolo[2,3-d]pyrimidin-5-yl)ethyl)benzoyl)-N5-(1,3-dihydroxy-2-(hydroxymethyl)propan-2-yl)-L-glutamine)	Pharmaceutical Analytical Impurity	Pemetrexed	F184Q0		N/A	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A03070	Active	Piperazinedionecarbonyl D-phenylglycylglycine (25 mg) ((R)-2-(4-ethyl-2,3-dioxopiperazine-1-carboxamido)-2-phenylacetyl) glycine)	Pharmaceutical Analytical Impurity		F194K0		2170771-47-6	N/A	IN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A00450	Active	Pyrazinediethanol (10 mg) (2,2'-(pyrazine-2,5-diyl)bis(ethan-1-ol))	Pharmaceutical Analytical Impurity	Clavulanate Potassium	F16850		4744-51-8	N/A	CN	Chemical Synthesis		10 mg		2,934E+09		VIAL	No	No		
1A00380	Active	Pyrazinediethanol Propionic Acid (5 mg) (3-(3,6-bis(2-hydroxyethyl)pyrazin-2-yl)propanoate, sodium salt)	Pharmaceutical Analytical Impurity	Clavulanate Potassium	F167X0		96681-85-5 (free acid)	N/A	CN	Chemical Synthesis		5 mg		2,934E+09		VIAL	No	No		
1A00460	Active	Pyrrolic acid Derivative (10 mg) (4-(2-hydroxyethyl)-1H-pyrrole-3-carboxylic acid)	Pharmaceutical Analytical Impurity	Clavulanate Potassium	F16860		404839-11-8	N/A	CN	Chemical Synthesis		10 mg		2,934E+09		VIAL	No	No		
1A00190	Active	Quetiapine Desethoxy (COLD SHIPMENT REQUIRED)(25 mg) (2-[4-(dibenzo[b,f][1,4]thiazepin-11-yl)piperazin-1-yl]ethanol)	Pharmaceutical Analytical Impurity	Quetiapine fumarate	R180C0	R165N0	329216-67-3	N/A	IN	Chemical Synthesis		25 mg		2,935E+09	Cold Shipment Required	VIAL	No	No		
1A00130	Active	Quetiapine Tetraethylene Glycol Fumarate Salt (COLD SHIPMENT REQUIRED) (2-(2-(2-(2-(4-(dibenzo[b,f][1,4]thiazepin-11-yl)piperazin-1-yl)ethoxy)ethoxy)ethoxy)ethan-1-ol-fumarate)	Pharmaceutical Analytical Impurity	Quetiapine fumarate	F158K0		2470243-24-2	N/A	IN	Chemical Synthesis		25 mg		2,935E+09	Cold Shipment Required	VIAL	No	No		
1A00140	Active	R,R,S-Ezetimibe (25 mg) ((3R,4S)-1-(4-fluorophenyl)-3-((R)-3-(4-fluorophenyl)-3-hydroxypropyl)-4-(4-hydroxyphenyl)azetid-2-one)	Pharmaceutical Analytical Impurity	Ezetimibe	R187H0	F159N0	163380-16-3	N/A	CN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		



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1A00370	Active	R-Levetiracetam Hydroxybutyramide Analog (10 mg) ((R)-N-(1-amino-1-oxobutan-2-yl)-4-hydroxybutanamide)	Pharmaceutical Analytical Impurity	Levetiracetam	F170F0		1847568-87-9	N/A	CN	Chemical Synthesis		10 mg		2,924E+09		VIAL	No	No		
1A00600	Active	Risperidone Difluoroketone (10 mg) (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)	Pharmaceutical Analytical Impurity	Risperidone	F167Q0		158697-67-7	N/A	CN	Chemical Synthesis		10 mg		2,934E+09		VIAL	No	No		
1A01160	Active	Rivaroxaban Amine (25 mg) ((S)-4-(4-(5-(aminomethyl)-2-oxooxazolidin-3-yl)phenyl)morpholin-3-one,	Pharmaceutical Analytical Impurity	Rivaroxaban	F174P0		898543-06-1	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A01470	Active	Rivaroxaban Desmorpholinone Analog (25 mg) ((S)-5-chloro-N-(3-(4-((2-hydroxyethyl)amino)phenyl)-2-oxooxazolidin-5-yl)methyl)thiophene-2-carboxamide)	Pharmaceutical Analytical Impurity	Rivaroxaban	F176Y0		936232-22-3	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A01510	Active	Rivaroxaban Desthiophene Analog (25 mg) ((R)-4-(4-(5-(aminomethyl)-2-oxooxazolidin-3-yl)phenyl)morpholin-3-one)	Pharmaceutical Analytical Impurity	Rivaroxaban	F17730		1411775-06-8	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A02250	Active	Rivaroxaban Ethyl Carbamate (25 mg) (ethyl 4-(3-oxomorpholino)phenyl)carbamate)	Pharmaceutical Analytical Impurity	Rivaroxaban	F182F0		1327778-39-1	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A02300	Active	Rivaroxaban Ethylamino Analog (25 mg) (1-amino-3-((4-(3-oxomorpholino)phenyl)amino)propan-2-yl 5-chlorothiophene-2-carboxylate, hydrochloride)	Pharmaceutical Analytical Impurity	Rivaroxaban	F182L0		N/A	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A01170	Active	Rivaroxaban Glycolic Acid Analog (25 mg) ((S)-2-(2-((4-(5-((5-chlorothiophene-2-carboxamido)methyl)-2-oxooxazolidin-3-yl)phenyl)amino)ethoxy)acetic acid)	Pharmaceutical Analytical Impurity	Rivaroxaban	F174Q0		931204-39-6	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A01190	Active	Rivaroxaban N-acyl glycolic acid (25 mg) ((S)-2-(2-(5-chloro-N-(4-(5-((5-chlorothiophene-2-carboxamido)methyl)-2-oxooxazolidin-3-yl)phenyl)thiophene-2-carboxamido)ethoxy)acetic acid)	Pharmaceutical Analytical Impurity	Rivaroxaban	F173Y0		1151893-81-0	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A01520	Active	Rivaroxaban N-methylphthalimido Analog (25 mg) ((S)-N1-methyl-N2-((2-oxo-3-(4-(3-oxomorpholino)phenyl)oxazolidin-5-	Pharmaceutical Analytical Impurity	Rivaroxaban	F17740		2206360-74-7	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A01460	Active	Rivaroxaban Open Chain Dithiophene Analog (10 mg) ((S)-5-chloro-N-(4-(5-((5-chlorothiophene-2-carboxamido)methyl)-2-oxooxazolidin-3-yl)phenyl)-N-(2-(2-(methylamino)-2-oxoethoxy)ethyl)thiophene-2-	Pharmaceutical Analytical Impurity	Rivaroxaban	F176X0		1807455-76-0	N/A	CN	Chemical Synthesis		10 mg		2,935E+09		VIAL	No	No		
1A02240	Active	Rivaroxaban Open Oxomorpholine Ring (10 mg) ((S)-5-chloro-N-(3-(4-(2-hydroxy-N-(2-hydroxyethyl)acetamido) phenyl)-2-oxooxazolidin-5-yl)methyl)thiophene-2-carboxamide)	Pharmaceutical Analytical Impurity	Rivaroxaban	F182E0		1160170-00-2	N/A	CN	Chemical Synthesis		10 mg		2,935E+09		VIAL	No	No		
1A00670	Active	Rivaroxaban Open Ring (10 mg) ((R)-5-chloro-N-(2-hydroxy-3-((4-(3-oxomorpholino)phenyl)amino)propyl)thiophene-2-	Pharmaceutical Analytical Impurity	Rivaroxaban	F171C0		721401-53-2	N/A	CN	Chemical Synthesis		10 mg		2,935E+09		VIAL	No	No		
1A00650	Active	Rivaroxaban Open Ring Methylamine (10 mg) ((S)-4-(4-(2-hydroxy-3-(methylamino)propyl)amino)phenyl)morpholin-3-one)	Pharmaceutical Analytical Impurity	Rivaroxaban	F170K0		2459303-14-9	N/A	CN	Chemical Synthesis		10 mg		2,935E+09		VIAL	No	No		
1A01550	Active	Rivaroxaban Open Ring S-isomer (25 mg) ((S)-5-chloro-N-(2-hydroxy-3-((4-(3-oxomorpholino)phenyl)amino)propyl)thiophene-2-carboxamide)	Pharmaceutical Analytical Impurity	Rivaroxaban	F177F0		1325210-62-5	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A00660	Active	Rivaroxaban Phthalamide (25 mg) (N1,N2-bis(((S)-2-oxo-3-(4-(3-oxomorpholino)phenyl)oxazolidin-5-yl)methyl)phthalamide)	Pharmaceutical Analytical Impurity	Rivaroxaban	F170L0		1365267-36-2	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A02270	Active	Rivaroxaban Phthalimide (25 mg) ((S)-2-(2-hydroxy-3-((4-(3-oxomorpholino)phenyl)amino)propyl)isoindoline-1,3-	Pharmaceutical Analytical Impurity	Rivaroxaban	F182H0		1369969-44-7	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A01570	Active	Rivaroxaban Phthalimido Analog (25 mg) ((R)-2-(2-hydroxy-3-((4-(3-oxomorpholino)phenyl)amino)propyl)isoindoline-1,3-dione)	Pharmaceutical Analytical Impurity	Rivaroxaban	F17780		446292-07-5	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		



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1A02280	Active	Rivaroxaban isomer (25 mg) (4-(4-((2-(5-chlorothiophen-2-yl)-4,5-dihydrooxazol-5-yl)methyl)amino)phenyl)morpholin-3-one)	Pharmaceutical Analytical Impurity	Rivaroxaban	F182J0		2310316-95-9	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A02290	Active	Rivaroxaban phthalimido ethyl ester analog (25 mg) ((S)-1-(1,3-dioxoisindolin-2-yl)-3-((ethoxycarbonyl)(4-(3-oxomorpholino)phenyl)amino)propan-2-yl 5-chlorothiophene-2-carboxylate)	Pharmaceutical Analytical Impurity	Rivaroxaban	F182K0		N/A	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A00170	Active	Rosuvastatin Isoamyl Ester (25 mg) ((3S,5R,6E)-7-[4-(4-fluorophenyl)-6-(1-methylethyl)-2-[N-methyl(methylsulphonyl)amino]-5-pyrimidinyl]-3,5-dihydroxy-6-heptanoic acid, methyl butyl ester)	Pharmaceutical Analytical Impurity	Rosuvastatin Calcium	F158U0		1197348-98-3	N/A	IN	Chemical Synthesis		25 mg		2,936E+09		VIAL	No	No		
1A00050	Active	Rosuvastatin Ketone (25mg) ((R,E)-7-(4-(4-fluorophenyl)-6-isopropyl-2-(N-methylmethylsulfonamido)pyrimidin-5-yl)-3-hydroxy-5-oxohept-6-enoic acid)	Pharmaceutical Analytical Impurity	Rosuvastatin Calcium	R192P0	R18110	1422619-13-3	N/A	CN	Chemical Synthesis		25 mg		2,936E+09		VIAL	No	No		
1A01200	Active	Rosuvastatin Lactone (25 mg) (N-[4-(4-Fluorophenyl)-5-((E)-2-[(2S,4R)-4-hydroxy-6-oxotetrahydro-2H-pyran-2-yl]vinyl)-6-isopropylpyrimidin-2-yl]-N-	Pharmaceutical Analytical Impurity	Rosuvastatin Calcium	R190Q0	F178K0	503610-43-3	N/A	IN	Chemical Synthesis		25 mg		2,936E+09		VIAL	No	No		
1A00440	Active	S-Levetiracetam Hydroxybutyramide Analog (10 mg) ((S)-N-(1-amino-1-oxobutan-2-yl)-4-hydroxybutanamide)	Pharmaceutical Analytical Impurity	Levetiracetam	F170G0		1868118-63-1	N/A	CN	Chemical Synthesis		10 mg		2,924E+09		VIAL	No	No		
1A02620	Active	Sitagliptin (R)-Triazecine Analog (25 mg) ((R)-10-(2,4,5-trifluorobenzyl)-3-(trifluoromethyl)-6,7,10,11-tetrahydro-[1,2,4]triazolo[3,4-c][1,4,7]triazecine-8,12(5H,9H)-dione)	Pharmaceutical Analytical Impurity	Sitagliptin	F18810		2088771-61-1	N/A	IN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A02840	Active	Sitagliptin Acid (25 mg) ((R)-3-Amino-4-(2,4,5-trifluorophenyl)butanoic acid)	Pharmaceutical Analytical Impurity	Sitagliptin	F19550		936630-57-8	N/A	IN	Chemical Synthesis		25 mg		2,922E+09		VIAL	No	No		
1A02660	Active	Sitagliptin Alcohol (25 mg) (3-hydroxy-1-(3-(trifluoromethyl)-5,6-dihydro-[1,2,4]triazolo[4,3-a]pyrazin-7(8H)-yl)-4-(2,4,5-trifluorophenyl)butan-1-one)	Pharmaceutical Analytical Impurity	Sitagliptin	F18840		1253056-01-7	N/A	IN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A02650	Active	Sitagliptin Enamine (25 mg) ((Z)-3-amino-1-(3-(trifluoromethyl)-5,6-dihydro-[1,2,4]triazolo[4,3-a]pyrazin-7(8H)-yl)-4-(2,4,5-trifluorophenyl)but-2-en-1-	Pharmaceutical Analytical Impurity	Sitagliptin	F18720		767340-03-4	N/A	IN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A02670	Active	Sitagliptin Ketone (25 mg) (1-(3-(trifluoromethyl)-5,6-dihydro-[1,2,4]triazolo[4,3-a]pyrazin-7(8H)-yl)-4-(2,4,5-trifluorophenyl)butane-1,3-dione)	Pharmaceutical Analytical Impurity	Sitagliptin	F18850		764667-65-4	N/A	IN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A02600	Active	Sitagliptin Phenylcrotonyl Analog (25 mg) ((E)-1-(3-(Trifluoromethyl)-5,6-dihydro-[1,2,4]triazolo[4,3-a]pyrazin-7(8H)-yl)-4-(2,4,5-trifluorophenyl)but-2-en-1-	Pharmaceutical Analytical Impurity	Sitagliptin		F18950	1253056-18-6	N/A				25 mg		2,934E+09			No	No		
1A02610	Active	Sitagliptin Styrylacetyl Analog (25 mg) ((E)-1-(3-(trifluoromethyl)-5,6-dihydro-[1,2,4]triazolo[4,3-a]pyrazin-7(8H)-yl)-4-(2,4,5-trifluorophenyl)but-3-en-1-	Pharmaceutical Analytical Impurity	Sitagliptin		F18510	1803026-58-5	N/A				25 mg		2,934E+09			No	No		
1A01290	Active	TEMED Dihydrochloride (25 mg) (N1,N1,N2,N2-tetramethylethane-1,2-diamine, hydrochloride)	Pharmaceutical Analytical Impurity	Clavulanate Potassium	F17500		7677-21-6	N/A	CN	Chemical Synthesis		25 mg		2,921E+09		VIAL	No	No		
1A01930	Active	Tacrolimus 5E-ene (25 mg)	Pharmaceutical Analytical	Tacrolimus	F182Y0		104987-16-8	N/A	CN	Chemical		25 mg		2,935E+09		VIAL	No	No		
1A01850	Active	Tetrahydrothienopyridine Hydrochloride (25 mg) (4,5,6,7-Tetrahydrothieno[3,2-c]pyridine, hydrochloride)	Pharmaceutical Analytical Impurity	Clopidogrel Bisulfate	F178N0		28783-41-7	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A00400	Active	Tetramethyl Ethylene Diamine (25 mg) (N1,N1,N2,N2-tetramethylethane-1,2-diamine)	Pharmaceutical Analytical Impurity	Clavulanate Potassium	F16800		110-18-9	N/A	CN	Chemical Synthesis	UN2372	25 mg		2,921E+09		AMPULE	No	No		
1A01440	Active	Ticlopidine Pyridinium Analog (25 mg) (5-(2-chlorobenzyl)thieno[3,2-c]pyridin-5-ium, chloride)	Pharmaceutical Analytical Impurity	Clopidogrel Bisulfate	F177U0		53885-64-6	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A01690	Active	Ticlopidine Pyridinium Bromide Analog (25 mg) (5-(2-chlorobenzyl)-6,7-dihydrothieno[3,2-c]pyridin-5-ium, bromide)	Pharmaceutical Analytical Impurity	Clopidogrel Bisulfate	F177E0		801319-16-4 (free base)	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A01620	Active	Tolterodine Dimer (25 mg) (2,2'-((isopropylazanediy))bis(1-phenylpropane-3,1-diyl))bis(4-	Pharmaceutical Analytical Impurity	Tolterodine tartrate	F177C0		854306-72-2	N/A	CN	Chemical Synthesis		25 mg		2,922E+09		VIAL	No	No		
1A01680	Active	Tolterodine Propanol Analog (25 mg) (2-(3-Hydroxy-1-phenylpropyl)-4-methylphenol)	Pharmaceutical Analytical Impurity	Tolterodine tartrate	F17800		851789-43-0	N/A	IN	Chemical Synthesis		25 mg		2,907E+09		VIAL	No	No		



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1A00750	Active	Tolyloyl Bromopropionamide (25 mg) (3-bromo-N,N-dimethyl-4-oxo-4-(p-tolyl)butanamide)	Pharmaceutical Analytical Impurity	Zolpidem Tartrate	F172A0		836627-56-6	N/A	CN	Chemical Synthesis		25 mg		2,924E+09		VIAL	No	No		
1A01630	Active	Tolyloyl Propionamide (25 mg) (N,N-Dimethyl-4-oxo-4-(p-tolyl)butanamide)	Pharmaceutical Analytical Impurity	Zolpidem Tartrate	F177V0		402470-91-1	N/A	IN	Chemical Synthesis		25 mg		2,924E+09		VIAL	No	No		
1A01640	Active	Tolyloyl Propionic Acid (25 mg) (4-Oxo-4-(p-tolyl)butanoic Acid)	Pharmaceutical Analytical Impurity	Zolpidem Tartrate	F177W0		4619-20-9	N/A	IN	Chemical Synthesis		25 mg		2,918E+09		VIAL	No	No		
1A01820	Active	Ureidolacosamide (25 mg) ((R)-N-Benzyl-2-(3-benzylureido)-3-methoxypropanamide)	Pharmaceutical Analytical Impurity	Lacosamide	F17860		2295925-90-3	N/A	IN	Chemical Synthesis		25 mg		2,924E+09		VIAL	No	No		
1A02040	Active	o-Celecoxib (25mg) (4-(5-(o-tolyl)-3-(trifluoromethyl)-1H-pyrazol-1-yl)benzenesulfonamide)	Pharmaceutical Analytical Impurity	Celecoxib	F159P0		170569-99-0	N/A	CN	Chemical Synthesis		25 mg		2,936E+09		VIAL	No	No		
1A02330	Active	rac-4,5-Dehydropregabalin (25 mg) (3-(aminomethyl)-5-methylhex-4-enoic acid)	Pharmaceutical Analytical Impurity	Pregabalin	F18420		216576-74-8	N/A	IN	Chemical Synthesis		25 mg		2,922E+09		VIAL	No	No		
1A02350	Active	rac-5,6-Dehydropregabalin (25 mg) (3-(aminomethyl)-5-methylhex-5-enoic acid)	Pharmaceutical Analytical Impurity	Pregabalin	F182M0		1136478-30-2	N/A	CN	Chemical Synthesis		25 mg		2,922E+09		VIAL	No	No		
1A02110	Active	rac-Clopidogrel Acid N-Oxide (25 mg) (5-(carboxy(2-chlorophenyl)methyl)-4,5,6,7-tetrahydrothieno[3,2-c]pyridine 5-oxide)	Pharmaceutical Analytical Impurity	Clopidogrel Bisulfate	F182A0		N/A	N/A	CN	Chemical Synthesis		25 mg		2,935E+09		VIAL	No	No		
1A02180	Active	rac-Duloxetine-d7 Maleate (25 mg) (N-methyl-3-((naphthalen-1-yl-d7)oxy)-3-(thiophen-2-yl)propan-1-amine, maleate)	Pharmaceutical Analytical Impurity	Duloxetine	F184N0		N/A	N/A	CN	Chemical Synthesis		25 mg		2,846E+09		VIAL	No	No		
1A02640	Active	rac-Sitagliptin Hydrochloride (25 mg) (3-amino-1-(3-(trifluoromethyl)-5,6-dihydro-[1,2,4]triazolo[4,3-a]pyrazin-7(8H)-yl)-4-(2,4,5-trifluorophenyl)butan-1-one hydrochloride)	Pharmaceutical Analytical Impurity	Sitagliptin	F18830		2309520-11-2	N/A	IN	Chemical Synthesis		25 mg		2,934E+09		VIAL	No	No		
1A01310	Active	tert-Octylamine (25 mg) (2,4,4-trimethylpentan-2-amine)	Pharmaceutical Analytical	Clavulanate Potassium	F175Q0		107-45-9	N/A	CN	Chemical	UN273	25 mg		2,921E+09		AMPULE	No	No		
1A02060	Active	trans-Cholecalciferol (25 mg) (COLD SHIPMENT)	Pharmaceutical Analytical	Cholecalciferol	F183Y0		22350-41-0	N/A	IN	Chemical		25 mg		2,906E+09	Cold Shipment	VIAL	No	No		

VUD: Valid Use Date Co. of origin: Country of Origin UN#: UN Number Pkg. Type: Container Type RS Name: Description