

Be confident in your impurity testing and profiling work



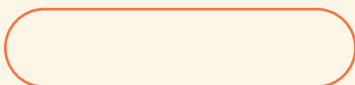
Drug developers and manufacturers have long relied on USP for Pharmacopeial Reference Standards needed to meet regulatory expectations. As a leading provider of official Reference Standards trusted by thousands of manufacturers and regulators around the world, **USP offers Pharmaceutical Analytical Impurities (PAI) analytical reference materials to support your impurity-related needs.**

Finding dependable and trust-worthy suppliers of impurity reference materials can become a major hurdle for any drug developer or manufacturer. **USP's PAI products, supported by lot-specific Product Information Sheets with details on identity and purity, will help you mitigate risks and save time and resources.**

USP's PAI portfolio, together with official USP Reference Standards for Active Pharmaceutical Ingredients, Impurities and Excipients, provides a comprehensive solution for your analytical research and testing throughout the drug lifecycle.

Our growing PAI portfolio includes **impurities listed in USP monographs but not available as USP Reference Standards** as well as critical degradants and process impurities.

We welcome you to explore our catalog and place an order through the USP store or an authorized distributor.



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Nitrosamines

ITEM NO.	PRODUCT NAME	FORM	QUANTITY	CAS NUMBER	ASSOCIATED API
1A03920	N-Nitroso Varenicline (NNV) Solution NEW	1 mg/mL liquid	1 mL	2755871-02-2	Varenicline
1A03930	N-Nitrosodipropylamine Solution	1 mg/mL liquid	1 mL	621-64-7	NA
1A03940	N-Nitrosomethylphenidate (NMPH) Solution NEW	1 mg/mL liquid	1 mL	55557-03-4	Methylphenidate
1A03950	N-Nitrosopiperidine Solution	1 mg/mL liquid	1 mL	100-75-4	NA/88 APIs
1A03960	N-Nitroso Sitagliptin Amine (NTTP) Solution NEW	1 mg/mL liquid	1 mL	2892260-32-9	Sitagliptin
1A03970	N-Nitroso-1,2,3,6-tetrahydropyridine Solution NEW	1 mg/mL liquid	1 mL	55556-92-8	NA
1A03980	N-Nitroso Nortriptyline Solution NEW	1 mg/mL liquid	1 mL	55855-42-0	Nortriptyline/ Amitriptyline
1A03990	N-Nitroso-N-methyl-2-phenylethylamine (NMPEA) Solution NEW	1 mg/mL liquid	1 mL	13256-11-6	NA
1A04000	N-Nitroso Duloxetine Solution NEW	1 mg/mL liquid	1 mL	2680527-91-5	Duloxetine
1A04010	4-(N-Methyl-N-nitrosamino)-1-(pyridin-3-yl)-1-butanone (NNK) Solution NEW	1 mg/mL liquid	1 mL	64091-91-4	Nicotine
1A04020	1-Methyl-4-nitrosopiperazine (MNP) Solution	1 mg/mL liquid	1 mL	16339-07-4	Rifampicin
1A04030	N-Nitroso Rasagiline Solution NEW	1 mg/mL liquid	1 mL	2470278-90-9	Rasagiline
1A04040	N-Nitroso Dabigatran Etxilate Solution NEW	1 mg/mL liquid	1 mL	2892260-29-4	Dabigatran
1A04050	N-Nitroso Tamsulosin Solution NEW	1 mg/mL liquid	1 mL	2892260-31-8	Tamsulosin
1A04060	N-Nitrosopyrrolidine (NPYR) Solution	1 mg/mL liquid	1 mL	930-55-2	NA/54 APIs
1A04070	N-Nitrosoiminodiacetic acid Solution NEW	1 mg/mL liquid	1 mL	25081-31-6	NA
1A04080	1-(2-Methoxyphenyl)-4-nitrosopiperazine Solution	1 mg/mL liquid	1 mL	2219339-64-5	Piperazine/19 APIs
1A04090	N-Nitroso Tetraxetan Triacetic Acid NEW	Solid	10 mg	2892260-33-0	NA/19 APIs
1A04100	4-Nitrosopiperazine-1-ethanol Solution	1 mg/mL liquid	1 mL	48121-20-6	NA/17 APIs
1A04130	1-Benzhydryl-4-nitrosopiperazine Solution	1 mg/mL liquid	1 mL	1698-25-5	Piperazine/16 APIs
1A04140	4-Nitroso-1-(4-fluorobenzoyl)piperazine Solution	1 mg/mL liquid	1 mL	2892260-28-3	Piperazine/15 APIs
1A04170	2-(4-Nitrosopiperazin-1-yl)pyrimidine Solution NEW	1 mg/mL liquid	1 mL	872826-80-7	NA
1A04180	N-Nitroso Quinapril Solution NEW	1 mg/mL liquid	1 mL	N/A	Quinapril
1A04190	1-Cyclopentyl-4-nitrosopiperazine (CPNP) Solution	1 mg/mL liquid	1 mL	61379-66-6	Rifapentine
1A04200	N-Nitroso Metoprolol Solution NEW	1 mg/mL liquid	1 mL	138768-62-4	Metoprolol
1A04210	N-Nitroso Carvedilol Solution NEW	1 mg/mL liquid	1 mL	2248746-67-8	Carvedilol
1A04220	N-Nitroso Atenolol Solution NEW	1 mg/mL liquid	1 mL	134720-04-0	Atenolol
1A04230	N-Nitroso Propranolol Solution	1 mg/mL liquid	1 mL	84418-35-9	Propranolol
1A04240	N-Nitroso Labetalol Solution NEW	1 mg/mL liquid	1 mL	2820170-74-7	Labetalol
1A04250	N-Nitroso Bisoprolol Solution NEW	1 mg/mL liquid	1 mL	2820170-76-9	Bisoprolol
1A04350	N-Nitroso Varenicline (NNV) NEW	Solid	10 mg	2755871-02-2	Varenicline
1A04360	N-Nitroso Sitagliptin Amine NEW	Solid	10 mg	2892260-32-9	Sitagliptin
1A04370	4-(N-Methyl-N-nitrosamino)-1-(pyridin-3-yl)-1-butanone	Solid	10 mg	64091-91-4	Nicotine
1A04380	N-Nitroso Dabigatran Etxilate	Solid	10 mg	2892260-29-4	Dabigatran

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Nitrosamines

ITEM NO.	PRODUCT NAME	FORM		CAS NUMBER	ASSOCIATED API
1A04390	N-Nitroso Tamsulosin NEW	Solid	10 mg	2892260-31-8	Tamsulosin
1A04400	N-Nitrosoiminodiacetic Acid	Solid	10 mg	25081-31-6	NA/26 APIs
1A04410	4-Nitrosopiperazine-1-ethanol	Solid	10 mg	48121-20-6	NA/17 APIs
1A04420	1-Benzhydryl-4-nitrosopiperazine	Solid	10 mg	1698-25-5	Piperazine/16 APIs
1A04440	2-(4-Nitrosopiperazin-1-yl)pyrimidine	Solid	10 mg	872826-80-7	NA/11 APIs
1A04450	N-Nitroso Quinapril	Solid	10 mg	N/A	Quinapril

The Nitrosamines PAI catalog is continuously expanding. This list may not represent all PAI products. Please download our [online catalog](#) for the most current list of PAI products.

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Special Offer

To support your efforts on impurity testing and profiling of drugs, we have reduced the prices of select PAI products—majorly process impurities. These impurities are associated with:

- **14 Active Pharmaceutical Ingredients** including Rivaroxaban, Duloxetine, Lacosamide, Budesonide, Risperidone, Clavulanate Potassium and Celecoxib, etc.
- **8 therapeutic areas** including steroids, psychiatrics, anticoagulants, oncology, analgesics, antibiotics, renal and cardiovascular.

ITEM NO.	PRODUCT NAME	CAS NUMBER	ASSOCIATED API	THERAPEUTIC AREA	TYPE OF IMPURITY	PREVIOUS PRICE	NEW PRICE
1A01240	16Alpha-Hydroxy-11-keto Prednisolone Acetate (25 mg) REDUCED PRICE	3949-79-9	Budesonide	Steroids	Intermediate	\$ 800	\$ 640
1A01400	6Beta-Hydroxybudesonide (25 mg) REDUCED PRICE	88411-77-2	Budesonide	Steroids	Metabolite	\$ 6,500	\$ 5,200
1A01280	16Alpha-Hydroxy Prednisolone-9(11)-ene Diacetate (25 mg) REDUCED PRICE	95943-95-6	Budesonide	Steroids	Process	\$ 1,000	\$ 800
1A02010	17Alpha-Hydroxy13(17)a-homoprednisolone (25 mg) REDUCED PRICE	NA	Budesonide	Steroids	Degradant	\$ 800	\$ 640
1A02020	9-Bromo-16a-hydroxyprednisolone (25 mg) REDUCED PRICE	NA	Budesonide	Steroids	Process	\$ 1,500	\$ 1,200
1A01390	6Alpha-Hydroxybudesonide (25 mg) REDUCED PRICE	577777-51-6	Budesonide	Steroids	Metabolite	\$ 3,000	\$ 2,400
1A00410	Budesonide Sulfate Triethylamine Salt (10 mg) REDUCED PRICE	1436872-65-9	Budesonide	Steroids	Process	\$ 500	\$ 400
1A00690	Bromobudesonide (25 mg) REDUCED PRICE	313474-59-8	Budesonide	Steroids	Process	\$ 900	\$ 720
1A00930	Methyl p-Toluate (25 mg) REDUCED PRICE	99-75-2	Celecoxib	Analgesics	Intermediate	\$ 300	\$ 240
1A02030	4'-Hydroxycelecoxib (25 mg) REDUCED PRICE	170571-00-3	Celecoxib	Analgesics	Process	\$ 450	\$ 360
1A00360	Ethylpyrazinediethanol (10 mg) REDUCED PRICE	86917-74-0	Clavulanate Potassium	Antibiotics	Degradant	\$ 1,800	\$ 1,440
1A00380	Pyrazinediethanol Propionic Acid (5 mg) REDUCED PRICE	96681-85-5 (free acid)	Clavulanate Potassium	Antibiotics	Degradant	\$ 1,200	\$ 960
1A00400	Tetramethyl Ethylene Diamine (25 mg) REDUCED PRICE	110-18-9	Clavulanate Potassium	Antibiotics	Process	\$ 1,300	\$ 1,040
1A01320	Dimethylethylamine Hydrochloride (25 mg) REDUCED PRICE	58114-25-3	Clavulanate Potassium	Antibiotics	Process	\$ 700	\$ 560
1A01300	Bis(dimethylaminoethyl) Ether Dihydrochloride (25 mg) REDUCED PRICE	103526-47-2	Clavulanate Potassium	Antibiotics	Intermediate	\$ 700	\$ 560
1A01310	Tert-Octylamine (25 mg) REDUCED PRICE	107-45-9	Clavulanate Potassium	Antibiotics	Intermediate	\$ 770	\$ 616
1A01340	2,3-Dimethyl-2,3-butanediamine, Dihydrochloride (25 mg) REDUCED PRICE	75804-28-3	Clavulanate Potassium	Antibiotics	Process	\$ 770	\$ 616
1A01330	Bis(2-methylaminoethyl) Ether Hydrochloride (25 mg) REDUCED PRICE	295796-12-2	Clavulanate Potassium	Antibiotics	Process	\$ 700	\$ 560
1A01350	Bis(2-methylaminoethyl) Ether (25 mg) REDUCED PRICE	3033-62-3	Clavulanate Potassium	Antibiotics	Intermediate	\$ 770	\$ 616

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Special Offer

ITEM NO.	PRODUCT NAME	CAS NUMBER	ASSOCIATED API	THERAPEUTIC AREA	TYPE OF IMPURITY	PREVIOUS PRICE	NEW PRICE
1A00460	Pyrollic Acid Derivative (10 mg) REDUCED PRICE	404839-11-8	Clavulanate Potassium	Antibiotics	Process	\$1,300	\$ 1,040
1A00450	Pyrazinediethanol (10 mg) REDUCED PRICE	4744-51-8	Clavulanate Potassium	Antibiotics	Degradant	\$ 300	\$ 240
1A00420	Clopidogrel Diester Analog (10 mg) REDUCED PRICE	1421283-60-4 (free base)	Clopidogrel Bisulfate	Cardiovascular	Process	\$ 450	\$ 360
1A01710	Methyl 2-chloro-Beta-D-Phenylalanine (25 mg) REDUCED PRICE	212838-70-5	Clopidogrel Bisulfate	Cardiovascular	Process	\$1,000	\$ 800
1A01730	Clopidogrel Ethyl Ester Sulfate (25 mg) REDUCED PRICE	1332612-57-3	Clopidogrel Bisulfate	Cardiovascular	Process	\$1,100	\$ 880
1A01850	Tetrahydrothienopyridine Hydrochloride (25 mg) REDUCED PRICE	28783-41-7	Clopidogrel Bisulfate	Cardiovascular	Intermediate	\$ 400	\$ 320
1A01900	Clopidogrel Open Ring R-Enantiomer (25 mg) REDUCED PRICE	1258938-54-3	Clopidogrel Bisulfate	Cardiovascular	Process	\$ 2,000	\$ 1,600
1A02120	Clopidogrel Diester Enantiomer Sulfate (25 mg) REDUCED PRICE	NA	Clopidogrel Bisulfate	Cardiovascular	Process	\$ 3,500	\$ 2,800
1A01430	Clopidogrel Piperidinylidene Analog (25 mg) REDUCED PRICE	NA	Clopidogrel Bisulfate	Cardiovascular	Metabolite	\$ 4,500	\$ 3,600
1A01700	Clopidogrel Open Ring Hydrochloride (25 mg) REDUCED PRICE	141109-19-5	Clopidogrel Bisulfate	Cardiovascular	Intermediate	\$1,000	\$ 800
1A01720	Open Ring N-Methyl Clopidogrel Hydrochloride (25 mg) REDUCED PRICE	NA	Clopidogrel Bisulfate	Cardiovascular	Process	\$1,450	\$ 1,160
1A00430	Clopidogrel Open Ring Methyl Ester Hydrochloride (10 mg) REDUCED PRICE	141109-18-4	Clopidogrel Bisulfate	Cardiovascular	Intermediate	\$ 450	\$ 360
1A02160	4-Hydroxy Duloxetine Acetate (25 mg) REDUCED PRICE	NA	Duloxetine	Psychiatric	Process	\$1,400	\$ 1,120
1A02180	rac-Duloxetine-d7 Maleate (25 mg) REDUCED PRICE	NA	Duloxetine	Psychiatric		\$1,650	\$ 1,320
1A02210	N-Methyl Duloxetine 3-Isomer Oxalate (25 mg) REDUCED PRICE	NA	Duloxetine	Psychiatric	Process	\$1,650	\$ 1,320
1A01130	Fluticasone Propionate Trisulfide (25 mg) REDUCED PRICE	960071-64-1	Fluticasone Propionate	Steroids	Process	\$1,700	\$ 1,360
1A00310	Hydroxyisobutyl Acetophenone (25 mg) REDUCED PRICE	1314907-71-5	Ibuprofen	Analgesics	Process	\$ 350	\$ 280
1A02310	N-Methyl rac-Lacosamide (25 mg) REDUCED PRICE	388619-64-5	Lacosamide	Psychiatric	Process	\$ 900	\$ 720
1A00540	Bis((R)-Butyramide) (10 mg) REDUCED PRICE	1867585-44-1	Levetiracetam	Psychiatric	Process	\$ 450	\$ 360
1A00530	N6-(1-Iminoethyl)-D-lysine (10 mg) REDUCED PRICE	1844123-52-9	Levetiracetam	Psychiatric	Process	\$ 450	\$ 360
1A02230	Pemetrexed Tromethamide (25 mg) REDUCED PRICE	NA	Pemetrexed	Oncology	Process	\$1,400	\$ 1,120
1A02360	Pemetrexed Sodium 1-Methyl Ester (25 mg) REDUCED PRICE	1265908-61-9	Pemetrexed	Oncology	Process	\$ 900	\$ 720
1A02370	Pemetrexed Sodium 5-Methyl Ester (25 mg) REDUCED PRICE	1265908-60-8	Pemetrexed	Oncology	Process	\$1,400	\$ 1,120

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1A00640	Pemetrexed Dimethyl Ester REDUCED PRICE	155405-81-5	Pemetrexed	Oncology	Intermediate	\$ 650	\$ 520
1A00630	Pemetrexed Acid N-Hydroxysuccinimide Ester (25 mg) REDUCED PRICE	204257-65-8	Pemetrexed	Oncology	Intermediate	\$ 500	\$ 400
1A02400	Diisobutyl Diazecinedione (25 mg) REDUCED PRICE	1990538-03-8	Pregabalin	Psychiatrics	Process	\$ 1,900	\$ 1,520
1A00580	4-Fluoro Risperidone (10 mg) REDUCED PRICE	NA	Risperidone	Psychiatrics	Process	\$ 450	\$ 360
1A00590	7-Fluoro Risperidone (10 mg) REDUCED PRICE	NA	Risperidone	Psychiatrics	Process	\$ 525	\$ 420
1A01450	Chloro N-Methylthiophene Carboxamide (25 mg) REDUCED PRICE	97799-98-9	Rivaroxaban	Anticoagulants & Antiplatelets	Process	\$ 880	\$ 704
1A01500	Desthiophenerivaroxaban Phthalimido Analog (25 mg) REDUCED PRICE	1424944-35-3	Rivaroxaban	Anticoagulants & Antiplatelets	Intermediate	\$ 880	\$ 704
1A01600	Diphthalimido Morpholinone Analog (25 mg) REDUCED PRICE	1643354-27-1	Rivaroxaban	Anticoagulants & Antiplatelets	Process	\$ 880	\$ 704
1A01580	Dichlorothiophene Carboxylic Acid (25 mg) REDUCED PRICE	89166-94-9	Rivaroxaban	Anticoagulants & Antiplatelets	Process	\$ 770	\$ 616
1A01590	Nitrophenylchlorothiophene Carboxylate (25 mg) REDUCED PRICE	1450877-56-1	Rivaroxaban	Anticoagulants & Antiplatelets	Intermediate	\$ 880	\$ 704
1A01610	Aminophenylmorpholin-2-one (25 mg) REDUCED PRICE	1456733-00-8	Rivaroxaban	Anticoagulants & Antiplatelets	Process	\$ 1,400	\$ 1,120
1A01470	Rivaroxaban Desmorpholinone Analog (25 mg) REDUCED PRICE	936232-22-3	Rivaroxaban	Anticoagulants & Antiplatelets	Intermediate	\$ 4,400	\$ 3,520
1A01480	Desthiophenerivaroxaban Methylcarbamate Analog (25 mg) REDUCED PRICE	1838139-08-4	Rivaroxaban	Anticoagulants & Antiplatelets	Process	\$ 1,200	\$ 960
1A01490	Methylisoindolinedione (25 mg) REDUCED PRICE	550-44-7	Rivaroxaban	Anticoagulants & Antiplatelets	Process	\$ 770	\$ 616
1A02240	Rivaroxaban Open Oxomorpholine Ring (10 mg) REDUCED PRICE	1160170-00-2	Rivaroxaban	Anticoagulants & Antiplatelets	Degradant	\$ 3,000	\$ 2,400
1A02250	Rivaroxaban Ethyl Carbamate (25 mg) REDUCED PRICE	1327778-39-1	Rivaroxaban	Anticoagulants & Antiplatelets	Intermediate	\$ 1,400	\$ 1,120
1A02260	Dichlorothiobenzoic Acid (25 mg) REDUCED PRICE	31166-29-7	Rivaroxaban	Anticoagulants & Antiplatelets	Process	\$ 1,100	\$ 880
1A02290	Rivaroxaban Phthalimido Ethyl Ester Analog (25 mg) REDUCED PRICE	NA	Rivaroxaban	Anticoagulants & Antiplatelets	Process	\$ 2,600	\$ 2,080
1A02300	Rivaroxaban Ethylamino Analog (25 mg) REDUCED PRICE	NA	Rivaroxaban	Anticoagulants & Antiplatelets	Process	\$ 2,000	\$ 1,600
1A01510	Rivaroxaban Desthiophene Analog (25 mg) REDUCED PRICE	1411775-06-8	Rivaroxaban	Anticoagulants & Antiplatelets	Intermediate	\$ 1,100	\$ 880
1A00650	Rivaroxaban Open Ring Methylamine (10 mg) REDUCED PRICE	2459303-14-9	Rivaroxaban	Anticoagulants & Antiplatelets	Process	\$ 1,500	\$ 1,200
1A01060	6-Methyl-4-phenylchromanone (25 mg) REDUCED PRICE	40546-94-9	Tolterodine tartrate	Renal	Intermediate	\$ 900	\$ 720
1A01680	Tolterodine Propanol Analog (25 mg) REDUCED PRICE	851789-43-0	Tolterodine tartrate	Renal	Intermediate	\$ 1,800	\$ 1,440

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New Releases

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1A03510	7-Keto abiraterone Acetate (25 mg) NEW	2410075-48-6	Abiraterone Acetate	Oncology		\$ 1,500
1A03520	3-Deoxy-3-acetyl Abiraterone-3-ene (25 mg) NEW	2697127-16-3	Abiraterone Acetate	Oncology		\$ 1,000
1A03870	D-Epinephrine (25 mg) NEW	150-05-0	Adrenaline	Cardiovascular		\$ 525
1A04470	O-Desmethyl Apremilast (25 mg) NEW	1384441-38-6	Apremilast	Immunosuppressants	Process & Degradant	\$ 1,100
1A04490	3-Acetamidophthalic Acid (25 mg) NEW	15371-06-9	Apremilast	Immunosuppressants	Intermediate	\$ 750
1A03780	Bortezomib Amide Analog (25 mg) NEW	289472-80-6	Bortezomib	Oncology		\$ 650
1A04550	Diquinolinone Butanediol (25 mg) NEW	2116542-19-7	Brexpiprazole	Psychiatrics	Process	\$ 550
1A04590	Brexpiprazole N-oxide (25 mg) NEW	1191900-58-9	Brexpiprazole	Psychiatrics	Degradant & Process	\$ 950
1A04600	N-Alkyl Brexpiprazole (25 mg) NEW	2094559-58-5	Brexpiprazole	Psychiatrics	Process	\$ 875
1A04510	Canagliflozin Tetraacetate (25 mg) NEW	866607-35-4	Canagliflozin	Endocrine	Intermediate	\$ 950
1A04970	2-(5-Iodo-2-methylbenzyl)-5-phenylthiophene (COLD SHIPMENT REQUIRED) (25 mg) NEW	2444540-01-4	Canagliflozin	Endocrine	Process	\$ 1,185
1A03320	Isocyclosporin A (COLD SHIPMENT REQUIRED) (25 mg) NEW	59865-16-6	Cyclosporine	ophthalmology		\$ 1,350
1A04290	Sodium 4-Hydroxy-N-methylleucinate (25 mg) NEW	N/A	Cyclosporine	ophthalmology		\$ 2,200
1A04900	7-Hydroxymethyl Drospirenone (10 mg) NEW	N/A	Drospirenone	Steroids	Degradant	\$ 990
1A04920	7-Chloromethyl 17-Epidrospirenone (25 mg) NEW	932388-89-1	Drospirenone	Steroids	Degradant	\$ 1,725
1A05070	7-Chloromethyl Drospirenone (10 mg) NEW	932388-90-4	Drospirenone	Steroids	Degradant	\$ 550
1A04800	tert-Butyl ((1S,2R,5S)-2-amino-5-(dimethylcarbamoyl)cyclohexyl)carbamate oxalate (25 mg) NEW	2703724-30-3	Edoxaban Tosylate	Anticoagulants & Antiplatelets		\$ 3,850
1A04810	tert-Butyl ((1R,2R,5S)-2-amino-5-(dimethylcarbamoyl)cyclohexyl)carbamate oxalate (25 mg) NEW	1928729-31-0	Edoxaban Tosylate	Anticoagulants & Antiplatelets		\$ 2,800
1A03490	(1S,2R)-Eliglustat Diastereomer (25 mg) NEW	1092472-65-5	ELIGLUSTAT	Others-Chemical Medicines		\$ 2,700
1A05750	Eltrombopag Methyl Ester (25 mg) NEW	1246929-01-0	Eltrombopag Olamine; Eltrombopag	Cardiovascular		\$ 700
1A04530	Desfuranyl Empagliflozin (25 mg) NEW	864070-37-1	Empagliflozin	Cardiovascular		\$ 1,350
1A04540	1-Methoxy Empagliflozin (25 mg) NEW	1279691-36-9	Empagliflozin	Cardiovascular		\$ 1,500
1A04610	Emtricitabine 2-Epimer (25 mg) NEW	145416-34-8	Emtricitabine	Antivirals		\$ 2,850
1A04620	Emtricitabine Enantiomer (25 mg) NEW	137530-41-7	Emtricitabine	Antivirals		\$ 1,650
1A04980	Emtricitabine Carboxylic Acid (25 mg) NEW	1238210-10-0	Emtricitabine	Antivirals		\$ 850
1A05090	Emtricitabine Sulfoxide (25 mg) NEW	152128-77-3	Emtricitabine	Antivirals		\$ 800

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New Releases

ITEM NO.	PRODUCT NAME	CAS NUMBER	ASSOCIATED API	THERAPEUTIC AREA	TYPE OF IMPURITY	PRICE
1A03540	Fingolimod Nonyl Homolog (25 mg) NEW	746594-44-5	Fingolimod	Immunosuppressants		\$ 750
1A03550	Fingolimod Heptyl Homolog (25 mg) NEW	745767-97-9	Fingolimod	Immunosuppressants		\$ 1,350
1A04630	Fluticasone Propionate Thioacid (25 mg) NEW	80474-45-9	Fluticasone Furoate	Steroids		\$ 725
1A04640	Ticabesone Furoate (25 mg) NEW	397864-58-3	Fluticasone Furoate	Steroids		\$ 1,250
1A04650	Fluticasone Furoate 17-Carboxylic Acid (25 mg) NEW	397864-63-0	Fluticasone Furoate	Steroids		\$ 1,000
1A04660	Fluticasone Oxathiolane (25 mg) NEW	219719-95-6	Fluticasone Furoate	Steroids		\$ 480
1A05120	Lamivudine R-sulfoxide (25 mg) NEW	160552-54-5	Lamivudine	Antivirals		\$ 930
1A05130	Lamivudine Uracil Derivative (25 mg) NEW	145986-07-8	Lamivudine	Antivirals		\$ 825
1A05140	Lamivudine-trans (25 mg) NEW	131086-22-1	Lamivudine	Antivirals		\$ 2,500
1A04790	Lenalidomide Open Ring Diacid (25 mg) NEW	295357-66-3	Lenalidomide	Oncology		\$ 550
1A04850	2-(Chloromethyl)-4-methylquinazoline (25 mg) NEW	109113-72-6	Linagliptin	Endocrine		\$ 475
1A04870	N-Acetyl Linagliptin (25 mg) NEW	1803079-49-3	Linagliptin	Endocrine		\$ 575
1A04880	3-Methyl-7-(2-butyn-1-yl)-8-bromoxanthine (25 mg) NEW	666816-98-4	Linagliptin	Endocrine		\$ 395
1A04940	Norbornanedicarboximide (25 mg) NEW	14805-29-9	Lurasidone Hydrochloride	Psychiatrics		\$ 475
1A04950	cis-Lurasidone Hydrochloride (25 mg) NEW	139563-25-0	Lurasidone Hydrochloride	Psychiatrics		\$ 1,250
1A04960	endo-Lurasidone (25 mg) NEW	1318074-25-7	Lurasidone Hydrochloride	Psychiatrics		\$ 795
1A05000	Mirabegron S-Enantiomer (25 mg) NEW	1796931-48-0	Mirabegron	Renal		\$ 975
1A05010	Mirabegron N-Thiazolacetyl Analog (25 mg) NEW	1684452-83-2	Mirabegron	Renal		\$ 795
1A04740	N-Formyl Palbociclib (25 mg) NEW	2174002-16-3	Palbociclib	Oncology		\$ 1,500
1A04930	Hydroxybenzoyl Paliperidone (25 mg) NEW	152542-03-5	Paliperidone Palmitate	Psychiatrics		\$ 1,235
1A04680	3-Amino-4-tolylsulfonamide (25 mg) NEW	6274-28-8	Pazopanib	Oncology		\$ 750
1A04830	N-(2-Methoxypyrimidin-4-yl)-N,2,3-trimethyl-2H-indazol-6-amine (25 mg) NEW	1296888-47-5	Pazopanib	Oncology		\$ 475
1A04820	4-Phenylbutyl(benzyl)amine Hydrochloride (25 mg) NEW	144391-74-2	Salmeterol	Antidotes & Chelators		\$ 750
1A04690	Phenylethoxy Salmeterol (0 mg) NEW	94749-02-7	Salmeterol	Pulmonary		\$ 750
1A04700	Phenylpropoxy Salmeterol (25 mg) NEW	94749-11-8	Salmeterol	Pulmonary		\$ 1,500
1A05030	Desimidazoline Sunitinib (25 mg) NEW	356068-86-5	Sunitinib Malate	Oncology		\$ 425

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New Releases

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1A05050	Sunitinib N-Oxide (25 mg) NEW	356068-99-0	Sunitinib Malate	Oncology		\$ 850
1A05060	Desethyl Sunitinib (25 mg) NEW	356068-97-8	Sunitinib Malate	Oncology		\$ 1,395
1A04890	Scopine di(2-thienylglycolate) (25 mg) NEW	136310-64-0	Tiotropium Bromide	Pulmonary		\$ 490
1A05100	Methyl Dithienyl Glycolate (25 mg) NEW	26447-85-8	Tiotropium Bromide	Pulmonary		\$ 490
1A05110	Dithienyl Ketone (25 mg) NEW	704-38-1	Tiotropium Bromide	Pulmonary		\$ 675
1A04720	Tolvaptan Open Ring Ketoacid (25 mg) NEW	1346599-56-1	Tolvaptan	Renal		\$ 2,000
1A04730	Tolvaptan Open Ring Hydroxyacid (25 mg) NEW	1346599-75-4	Tolvaptan	Renal		\$ 3,200
1A04750	Tolvaptan S-Enantiomer (10 mg) NEW	331947-44-5	Tolvaptan	Renal		\$ 2,100
1A04760	Rac-Trans-4-Hydroxy Tolvaptan (10 mg) NEW	N/A	Tolvaptan	Renal		\$ 950
1A04770	Ketovarenicline Trifluoroacetate (25 mg) NEW	357426-10-9	Varenicline	ophthalmology		\$ 975
1A03910	Vilanterol Diamine Triphenylacetate (25 mg) NEW	N/A	Vilanterol Trifenatate	Pulmonary		\$ 1,650

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Active Pharmaceutical Ingredient (API): **Abacavir** | Official Monograph: **Abacavir Tablets** |
Therapeutic Area: **Antivirals**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A03500	Cyclopropylidiaminopurine (25 mg)	Abacavir and Lamivudine Tablets	120503-69-7		\$ 475

API: **Abiraterone Acetate** | Official Monograph: **Abiraterone Acetate** | Therapeutic Area: **Oncology**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A03430	Anhydro Abiraterone (25 mg)		154229-20-6		\$ 2,400
1A03440	Abiraterone Ethyl Ether (25 mg)	Abiraterone Acetate	2484719-14-2		\$ 1,000
1A03450	Abiraterone Isopropyl Ether (25 mg)	Abiraterone Acetate	2484719-15-3		\$ 800
1A03510	7-Keto abiraterone Acetate (25 mg) NEW	Abiraterone Acetate Tablets	2410075-48-6		\$ 1,500
1A03520	3-Deoxy-3-acetyl Abiraterone-3-ene (25 mg) NEW		2697127-16-3		\$ 1,000
1A03530	3-Deoxy 3-Chloroabiraterone (25 mg)	Abiraterone Acetate	N/A		\$ 750

API: **Adrenaline** | Official Monograph: **None** | Therapeutic Area: **Cardiovascular**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A03870	D-Epinephrine (25 mg) NEW		150-05-0		\$ 525

API: **Amiodarone** | Official Monograph: **Amiodarone Hydrochloride** | Therapeutic Area: **Cardiovascular**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A00710	Methoxyamiodarone (25 mg)	Amiodarone Hydrochloride	1087223-70-8	Process	\$ 3,800
1A00720	Desiodoamiodarone (25 mg)	Amiodarone Hydrochloride	23551-25-9	Degradant	\$ 800
1A01080	Desethylamiodarone (25 mg)	Amiodarone Hydrochloride	96027-74-6	Process	\$ 650
1A01090	Monoiodoamiodarone (25 mg)	Amiodarone Hydrochloride	85642-08-6	Degradant	\$ 1,050

API: **Amlodipine** | Official Monograph: **Amlodipine Besylate** | Therapeutic Area: **Cardiovascular**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A00200	Amlodipine Ethyl Analog (25 mg)	Amlodipine Besylate	400024-12-6	Process	\$ 495
1A01960	Levamlodipin (25 mg)		103129-82-4	Process	\$ 600
1A01970	(R)-Amlodipine (25 mg)		103129-81-3	Process	\$ 600
1A02390	Mannityl Amlodipine (25 mg)		N/A	Degradant	\$ 600

API: **Amoxicillin** | Official Monograph: **Amoxicillin** | Therapeutic Area: **Antibiotics**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A00330	Amoxicilloic amoxilloic Acid Dimers 1, 2, 3, and 4 (5 mg)		297175-66-7		\$ 2,500
1A00490	Amoxicilloic Acid Dimers 1 and 2 (10 mg)		2088961-38-8	Process	\$ 1,000

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API: **Apremilast** | Official Monograph: **None** | Therapeutic Area: **Immunosuppressants**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A04460	Apremilast Open Ring 3-acetamide (25 mg)		2096492-41-8	Degradant & Process	\$ 2,600
1A04470	O-Desmethyl Apremilast (25 mg) NEW		1384441-38-6	Process & Degradant	\$ 1,100
1A04480	Apremilast Desphthalyl Amine (25 mg)		608141-42-0	Process	\$ 750
1A04490	3-Acetamidophthalic Acid (25 mg) NEW		15371-06-9	Intermediate	\$ 750

API: **Aripiprazole** | Official Monograph: **Aripiprazole** | Therapeutic Area: **Psychiatrics**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A02410	Aripiprazole di(quinolinonylbutyl) Ether Analog (25 mg)		1424858-02-5	Process	\$ 770
1A02420	Aripiprazole Diquinolinone Butanediol (25 mg)		882880-12-8	Process	\$ 770
1A02430	Chlorobutoxyquinolinone (25 mg)		120004-79-7	Intermediate	\$ 880
1A02440	2-Monobromo Aripiprazole Hydrochloride (25 mg)		2748462-55-5	Process	\$ 1,400
1A02450	2-Dechloro Aripiprazole (25 mg)		203395-82-8	Process	\$ 500
1A02460	Aripiprazole 4,4'-dimer (25 mg)	Aripiprazole	1797986-18-5	Process	\$ 1,700
1A02470	Aripiprazole Acid Analog (25 mg)		58899-27-7	Degradant	\$ 1,200
1A02480	Aripiprazole Bromobutoxyquinolinone Analog (25 mg)		203395-59-9	Intermediate	\$ 880
1A02490	5-(4-Bromobutoxy)-3,4-dihydroquinolin-2(1H)-one (25 mg)		63309-35-3	Process	\$ 750
1A02500	N-Alkyl Aripiprazole (25 mg)		1424857-63-5	Process	\$ 1,400
1A02510	8-Hydroxy-3,4-dihydroquinolin-2(1H)-one (25 mg)		52749-50-5	Process	\$ 880
1A02520	Aripiprazole N-oxide Isomer (25 mg)		573691-11-9	Degradant	\$ 1,000
1A02530	Aripiprazole Isomer (25 mg)		203395-78-2	Process	\$ 1,100
1A02540	Aripiprazole Spiro Analog (25 mg)		795313-24-5	Intermediate	\$ 1,100
1A02550	Aripiprazole Hydroxydihydroquinolinone Analog (25 mg)		22246-18-0	Intermediate	\$ 500
1A02560	Aripiprazole Hydroxyquinolinone Analog (25 mg)		70500-72-0	Process	\$ 750
1A02570	3-Dechloro Aripiprazole (25 mg)		203395-81-7	Process	\$ 1,200
1A02580	N1-(2-Chloroethyl)-N2-(2,3-dichlorophenyl)ethane-1,2-diamine hydrochloride (25 mg)		2748335-71-7	Process	\$ 770
1A02590	1,4-Bis(4-(2,3-dichlorophenyl)piperazin-1-yl)butane dihydrochloride (25 mg)		N/A	Process	\$ 880

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API: **Atorvastatin Calcium** | Official Monograph: **Atorvastatin Calcium** | Therapeutic Area: **Antihyperlipidemics**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A00010	Atorvastatin Ethyl Ester (25 mg)	Atorvastatin Calcium	1146977-93-6	Intermediate	\$ 483
1A00020	Atorvastatin Methyl Ester (25 mg)	Atorvastatin Calcium Tablets	345891-62-5	Intermediate	\$ 474
1A00760	Atorvastatin 3-deoxyhept-2-enoic Acid (25 mg)	Atorvastatin Calcium	1105067-93-3	Process	\$ 1,500
1A00770	Diamino Atorvastatin Calcium (25 mg)	Atorvastatin Calcium	1105067-87-5	Process	\$ 700
1A00790	Atorvastatin Calcium Epoxy Pyrrolooxazin 7-Hydroxy Analog (25 mg)	Amlodipine and Atorvastatin Tablets	N/A	Degradant	\$ 3,000
1A00800	Atorvastatin Epoxy Tetrahydrofuran Analog (25 mg)	Amlodipine and Atorvastatin Tablets	873950-19-7	Degradant	\$ 3,000
1A00810	Atorvastatin Sodium Pyrrolidone Analog (25 mg)	Amlodipine and Atorvastatin Tablets	148217-40-7	Degradant	\$ 3,000
1A00820	Atorvastatin Pyrrolidone Lactone (25 mg)	Atorvastatin Calcium Tablets	906552-19-0	Degradant	\$ 3,000
1A00830	Atorvastatin Tert-Butyl Ester (25 mg)	Amlodipine and Atorvastatin Tablets	134395-00-9	Intermediate	\$ 900

API: **Azacitidine** | Official Monograph: **None** | Therapeutic Area: **Oncology**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A00260	Azacitidine Formyl Amidine Analog (25 mg)		65126-88-7	Degradant	\$ 4,050
1A00270	Azacitidine Isomer-3 (25 mg)		2775292-15-2	Degradant	\$ 4,500

API: **Azithromycin** | Official Monograph: **Azithromycin** | Therapeutic Area: **Antibiotics**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A00070	3'-(N,N-Didemethyl)azithromycin (Aminoazithromycin) (25 mg)	Azithromycin	612069-27-9	Degradant	\$ 882
1A00080	3'-De(dimethylamino)-3'-oxoazithromycin (25 mg)	Azithromycin	612069-25-7	Degradant	\$ 3,100
1A00210	3'-(N,N-Didemethyl)-3'-N-formylazithromycin (25 mg)	Azithromycin	765927-71-7	Degradant	\$ 2,364
1A00840	3'-Demethyl-3'-N-[(4-methylphenyl)sulfonyl]azithromycin (25 mg)	Azithromycin	612069-31-5	Process	\$ 800
1A00850	Azithromycin B (3-deoxyazithromycin) (25 mg)	Azithromycin for Injection	307974-61-4	Process	\$ 3,000
1A00860	Azithromycin C (3"-O-demethylazithromycin) (25 mg)	Azithromycin	620169-47-3	Degradant	\$ 3,000

API: **Bortezomib** | Official Monograph: **None** | Therapeutic Area: **Oncology**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A03400	Bortezomib L-phenylalanyl Analog (25 mg)		1194235-41-0		\$ 1,500
1A03770	Bortezomib Acid Analog (25 mg)		114457-94-2		\$ 800
1A03780	Bortezomib Amide Analog (25 mg) NEW		289472-80-6		\$ 650

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API: **Bosentan** | Official Monograph: **None** | Therapeutic Area: **Pulmonary**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A03460	Desmethyl Bosentan (25 mg)		253688-61-8	Metabolite	\$ 1,800
1A03470	O-Acetyl Bosentan (25 mg)		1160515-53-6	Intermediate	\$ 1,400
1A03480	Bosentan Bis4(tert-butylbenzenesulfonamide) (25 mg)		1218951-81-5	Process	\$ 1,500

API: **Brexpiprazole** | Official Monograph: **None** | Therapeutic Area: **Psychiatric**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A04550	Diquinolinone Butanediol (25 mg) NEW		2116542-19-7	Process	\$ 550
1A04590	Brexpiprazole N-oxide (25 mg) NEW		1191900-58-9	Degradant & Process	\$ 950
1A04600	N-Alkyl Brexpiprazole (25 mg) NEW		2094559-58-5	Process	\$ 875

API: **Budesonide** | Official Monograph: **Budesonide** | Therapeutic Area: **Steroids**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A00410	Budesonide Sulfate Triethylamine Salt (10 mg) REDUCED PRICE		1436872-65-9	Process	\$ 400
1A00500	Budesonide D-Homo Analog (10 mg)	Budesonide	1040085-99-1	Degradant	\$ 500
1A00510	Budesonide Acetaldehyde Acetal (25 mg)	Budesonide	1040085-98-0	Degradant	\$ 500
1A00680	Budesonide 9(11)-ene (25 mg)		313474-58-7	Process	\$ 600
1A00690	Bromobudesonide (25 mg) REDUCED PRICE		313474-59-8	Process	\$ 720
1A00880	16Alpha-Hydroxyprednisolone (25 mg)	Budesonide	13951-70-7	Intermediate	\$ 450
1A01210	Deoxyprednisolone-16-ene Acetate (25 mg)	Desonide	3044-42-6	Intermediate	\$ 1,200
1A01220	16Alpha-Hydroxy Prednisolone-14-ene Acetate (25 mg)		131918-72-4	Process	\$ 1,200
1A01230	16Alpha-Hydroxy Prednisolone-14-ene Acetate (25 mg)		131918-73-5	Process	\$ 900
1A01240	16Alpha-Hydroxy-11-keto Prednisolone Acetate (25 mg) REDUCED PRICE		3949-79-9	Intermediate	\$ 640
1A01250	16Alpha-Hydroxy-11-keto Prednisolone Acetate (25 mg)		3754-05-0	Process	\$ 600
1A01260	16Alpha-Hydroxy Prednisolone-9(11)-ene (25 mg)		39672-76-9	Process	\$ 770
1A01270	16Alpha-Hydroxy Prednisolone-9(11)-ene Acetate (25 mg)		77017-20-0	Intermediate	\$ 1,000
1A01280	16Alpha-Hydroxy Prednisolone-9(11)-ene Diacetate (25 mg) REDUCED PRICE		95943-95-6	Process	\$ 800
1A01370	Budesonide 21-Butyrate (25 mg)	Budesonide	2408495-96-3	Process	\$ 800
1A01390	6Alpha-Hydroxybudesonide (25 mg) REDUCED PRICE		577777-51-6	Metabolite	\$ 2,400
1A01420	Desonide 21-Acetate (25 mg)		25092-25-5	Metabolite	\$ 5,200

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API: **Budesonide** | Official Monograph: **Budesonide** | Therapeutic Area: **Steroids**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A01400	6Beta-Hydroxybudesonide (25 mg) REDUCED PRICE		88411-77-2	Intermediate	\$ 600
1A02000	Budesonide Pyruvic Acid (25 mg)	Budesonide Nasal Spray	N/A	Process	\$ 1,500
1A02010	17Alpha-Hydroxy13(17) a-homoprednisolone (25 mg) REDUCED PRICE		N/A	Degradant	\$ 640
1A02020	9-Bromo-16a-hydroxyprednisolone (25 mg) REDUCED PRICE		N/A	Process	\$ 1,200

API: **Bupropion Hydrochloride** | Official Monograph: **Bupropion Hydrochloride** | Therapeutic Area: **Psychiatrics**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A03300	3-Chloropropiophenone (25 mg)		936-59-4	Intermediate	\$ 290

API: **Canagliflozin** | Official Monograph: **None** | Therapeutic Area: **Endocrine**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A04500	L-Glucono-δ-lactone (25 mg)		52153-09-0	Process	\$ 750
1A04510	Canagliflozin Tetraacetate (25 mg) NEW		866607-35-4	Intermediate	\$ 950
1A04970	2-(5-Iodo-2-methylbenzyl)-5- phenylthiophene (25 mg) NEW		2444540-01-4	Process	\$ 1,185

API: **Carvedilol** | Official Monograph: **Carvedilol** | Therapeutic Area: **Cardiovascular**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A00230	N-Isopropylcarvedilol (25 mg)	Carvedilol	1246819-01-1	Process	\$ 430
1A00890	Carvedilol Bisalkylpyrocatechol Derivative (25 mg)	Carvedilol	1346602-98-9	Process	\$ 850

API: **Cefepime Hydrochloride** | Official Monograph: **Cefepime Hydrochloride** | Therapeutic Area: **Antibiotics**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A02690	E-Cefepime (25 mg)	Cefepime Hydrochloride	N/A		\$ 2,500

API: **Celecoxib** | Official Monograph: **Celecoxib** | Therapeutic Area: **Analgesics**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A00240	o-Celecoxib (25 mg)		170569-99-0	Process	\$ 300
1A00900	4-Methylacetophenone (25 mg)		122-00-9	Process	\$ 450
1A00910	Celecoxib Open Ring (25 mg)		N/A	Process	\$ 450
1A00920	Desaryl Celecoxib (25 mg)		948293-46-7	Intermediate	\$ 450
1A00930	Methyl p-Toluate (25 mg) REDUCED PRICE		99-75-2	Intermediate	\$ 240

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API: **Celecoxib** | Official Monograph: **Celecoxib** | Therapeutic Area: **Analgesics**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A02030	4'-Hydroxycelecoxib (25 mg) REDUCED PRICE		170571-00-3	Process	\$ 360
1A02040	(4-Methylbenzoyl)trifluoroacetone (25 mg)		910303-54-7	Process	\$ 450

API: **Cholecalciferol** | Official Monograph: **Cholecalciferol** | Therapeutic Area: **Endocrine**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A02050	Isotachysterol3 (25 mg)		22350-43-2	Degradant	\$ 1,100
1A02060	Trans-Cholecalciferol (25 mg)		22350-41-0	Process	\$ 800
1A02070	7-Dehydrocholesterol (25 mg)		434-16-2	Intermediate	\$ 150

API: **Ciprofloxacin** | Official Monograph: **Ciprofloxacin** | Therapeutic Area: **Antibiotics**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A01740	Desflurociprofloxacin Hydrochloride (25 mg)	Ciprofloxacin Extended-Release Tablets	2727369-47-1	Process	\$ 770

API: **Cisatracurium Besylate** | Official Monograph: **Cisatracurium Besylate** | Therapeutic Area: **Muscle Relaxants**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A02700	(R)-Laudanosine (25 mg)	Cisatracurium Besylate	85-63-2	Process	\$ 800
1A02860	(R)-N-Methylaudanosine Iodide (25 mg)	Cisatracurium Besylate	41431-32-7	Process	\$ 750
1A02880	Atracurium Iodide Quaternary Alcohol Acetate (25 mg)		N/A		\$ 1,200

API: **Clarithromycin** | Official Monograph: **Clarithromycin** | Therapeutic Area: **Antibiotics**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A03410	Clarithromycin Furanyl Analog (25 mg)	Clarithromycin Extended-Release Tablets	127157-35-1		\$ 790
1A03420	Clarithromycin Z-Oxime (25 mg)		127253-05-8		\$ 1,250
1A03630	Clarithromycin E-Oxime (25 mg)	Clarithromycin Extended-Release Tablets	127253-06-9		\$ 650
1A03640	Decladinosyl Clarithromycin (25 mg)		118058-74-5		\$ 550
1A03650	Anhydroclarithromycin (25 mg)		144604-03-5		\$ 700
1A04260	6-O-Methylerythromycin A 9-(O-methyloxime) (25 mg)	Clarithromycin	107216-09-1		\$ 850

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API: **Clavulanate Potassium** | Official Monograph: **Clavulanate Potassium** | Therapeutic Area: **Antibiotics**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A00360	Ethylpyrazinediethanol (10 mg) REDUCED PRICE		86917-74-0	Degradant	\$ 1,440
1A00380	Pyrazinediethanol Propionic Acid (25 mg) REDUCED PRICE		96681-85-5 (free acid)	Degradant	\$ 960
1A00400	Tetramethyl Ethylene Diamine (25 mg) REDUCED PRICE	Clavulanate Potassium	110-18-9	Process	\$ 1,040
1A00450	Pyrazinediethanol (10 mg) REDUCED PRICE		4744-51-8	Degradant	\$ 240
1A00460	Pyrollic Acid Derivative (10 mg) REDUCED PRICE		404839-11-8	Process	\$ 1,040
1A01290	TEMED Dihydrochloride (25 mg)		7677-21-6	Process	\$ 700
1A01300	Bis(dimethylaminoethyl) Ether Dihydrochloride (25 mg) REDUCED PRICE		103526-47-2	Intermediate	\$ 560
1A01310	Tert-Octylamine (25 mg) REDUCED PRICE		107-45-9	Intermediate	\$ 616
1A01320	Dimethylethylamine Hydrochloride (25 mg) REDUCED PRICE		58114-25-3	Process	\$ 560
1A01330	Bis(2-methylaminoethyl) Ether Hydrochloride (25 mg) REDUCED PRICE		295796-12-2	Process	\$ 560
1A01340	2,3-Dimethyl-2,3-butanediamine, Dihydrochloride (25 mg) REDUCED PRICE		75804-28-3	Process	\$ 616
1A01350	Bis(2-methylaminoethyl) Ether (25 mg) REDUCED PRICE		3033-62-3	Intermediate	\$ 616

API: **Clindamycin Phosphate** | Official Monograph: **Clindamycin Phosphate** | Therapeutic Area: **Antibiotics**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A00321	Clindamycin 3-Phosphate (10 mg)	Clindamycin Phosphate	28708-34-1	Process	\$ 790

API: **Clopidogrel Bisulfate** | Official Monograph: **Clopidogrel Bisulfate** | Therapeutic Area: **Cardiovascular**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A00420	Clopidogrel Diester Analog (10 mg) REDUCED PRICE		1421283-60-4 (free base)	Process	\$ 360
1A00430	Clopidogrel Open Ring Methyl Ester Hydrochloride (10 mg) REDUCED PRICE		141109-18-4	Intermediate	\$ 360
1A00550	(R)-Clopidogrel Carboxylic Acid (10 mg)	Clopidogrel Bisulfate	324757-50-8	Process	\$ 800
1A00560	2-Oxo Clopidogrel (Mixture of Diastereomers) (10 mg)		109904-27-0	Process	\$ 450
1A00570	2-Oxo R-Clopidogrel (10 mg)		1360923-54-1	Process	\$ 500
1A01360	Clopidogrel-Beta-D-Glucuronide (10 mg)		1314116-53-4	Metabolite	\$ 2,800
1A01380	Clopidogrel Quaternary Salt (25 mg)		2418591-12-3	Process	\$ 1,200
1A01430	Clopidogrel Piperidinylidene Analog (25 mg) REDUCED PRICE		N/A	Metabolite	\$ 3,600

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API: **Clopidogrel Bisulfate** | Official Monograph: **Clopidogrel Bisulfate** | Therapeutic Area: **Cardiovascular**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A01440	Ticlopidine Pyridinium Analog (25 mg)		53885-64-6	Process	\$ 900
1A01690	Ticlopidine Pyridinium Bromide Analog (25 mg)		2418591-13-4	Degradant	\$ 1,500
1A01700	Clopidogrel Open Ring Hydrochloride (25 mg) REDUCED PRICE		141109-19-5	Intermediate	\$ 800
1A01710	Methyl 2-chloro-Beta-D-Phenylalanine (25 mg) REDUCED PRICE		212838-70-5	Process	\$ 800
1A01720	Open Ring N-Methyl Clopidogrel Hydrochloride (25 mg) REDUCED PRICE		N/A	Process	\$ 1,160
1A01730	Clopidogrel Ethyl Ester Sulfate (25 mg) REDUCED PRICE		1332612-57-3	Process	\$ 880
1A01850	Tetrahydrothienopyridine Hydrochloride (25 mg) REDUCED PRICE		28783-41-7	Intermediate	\$ 320
1A01860	Clopidogrel Amide (25 mg)		444728-13-6	Intermediate	\$ 840
1A01870	Clopidogrel R-Enantiomer (25 mg)		444728-15-8	Process	\$ 800
1A01890	Clopidogrel N-Oxide (25 mg)		1319197-71-1	Degradant	\$ 2,000
1A01900	Clopidogrel Open Ring R-Enantiomer (25 mg) REDUCED PRICE		1258938-54-3	Process	\$ 1,600
1A02080	Clopidogrel Thienopyridinium Chloride (25 mg)		2418591-11-2		\$ 1,200
1A02100	Clopidogrel Acid N-Oxide (25 mg)		1319197-73-3	Degradant	\$ 1,200
1A02110	Rac-Clopidogrel Acid N-Oxide (25 mg)		N/A	Degradant	\$ 1,200
1A02120	Clopidogrel Diester Enantiomer Sulfate (25 mg) REDUCED PRICE		N/A	Process	\$ 2,800

API: **Cobicistat** | Official Monograph: **None** | Therapeutic Area: **Antivirals**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A03210	2-{4-[(Methylamino)methyl]thiazol-2-yl}propan-2-ol hydrochloride (25 mg)		N/A	Process	\$ 880
1A03220	(S)-2-Amino-4-morpholinobutanoic Acid Hydrochloride (25 mg)		N/A	Process	\$ 770

API: **Cyanocobalamin** | Official Monograph: **Cyanocobalamin** | Therapeutic Area: **Dermatology**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A03270	Cyanocobalamin 7Beta,8Beta-lactone (25 mg)	Cyanocobalamin	23208-66-4	Intermediate	\$ 1,200

API: **Cyclosporine** | Official Monograph: **Cyclosporine** | Therapeutic Area: **Ophthalmology**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A03320	Isocyclosporin A (25 mg) NEW		59865-16-6		\$ 1,350
1A04270	Cyclosporin D (25 mg)		63775-96-2		\$ 1,400

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API: **Cyclosporine** | Official Monograph: **Cyclosporine** | Therapeutic Area: **Ophthalmology**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A04280	Cyclosporin H (25 mg)		83602-39-5		\$ 1,700
1A04290	Sodium 4-Hydroxy-N-methylleucinate (25 mg) NEW		N/A		\$ 2,200

API: **Dabigatran Etexilate Mesylate** | Official Monograph: **None** | Therapeutic Area: **Anticoagulants & Antiplatelets**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A03730	Dabigatran Etexilate Acid (25 mg)		212321-78-3	Process	\$ 1,200
1A03740	Dabigatran Etexilate Isopropyl Ester (25 mg)		1610758-19-4	Process	\$ 1,200
1A03750	Dabigatran Heptane-2-yl Analog (25 mg)		1610758-21-8	Process	\$ 1,500

API: **Deflazacort** | Official Monograph: **None** | Therapeutic Area: **Steroids**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A02730	21-Desacetyl Deflazacort (25 mg)		13649-57-5	Degradant	\$ 1,000

API: **Desloratadine** | Official Monograph: **Desloratadine** | Therapeutic Area: **Antihistamines**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A01110	Dehydro Desloratadine (25 mg)	Desloratadine	117811-20-8	Process	\$ 1,650
1A01650	3-Hydroxy Desloratadine (25 mg)		119410-08-1	Process	\$ 1,200
1A01660	N-Hydroxy Desloratadine (25 mg)		1193725-73-3	Process	\$ 900
1A01670	N-Acetyl Desloratadine (25 mg)		117796-52-8	Process	\$ 770
1A02130	Desloratadine N-oxide (25 mg)		169253-26-3	Degradant (possible Metabolite)	\$ 1,200

API: **Dexamethasone** | Official Monograph: **Dexamethasone** | Therapeutic Area: **Steroids**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A00120	Fluoroandrostadiene Carboxylic Acid (25 mg)	Dexamethasone Sodium Phosphate	37927-01-8	Degradant	\$ 600
1A00220	Desoximetasone Acid (25 mg)	Desoximetasone	75262-69-0	Degradant	\$ 378
1A00300	Dexamethasone Formate (25 mg)		473273-04-0	Degradant	\$ 400
1A00340	Dexamethasone Ethyl Ester (25 mg)	Dexamethasone Sodium Phosphate	2991360-83-7	Process	\$ 400
1A00470	17-Oxo Dexamethasone (10 mg)		1880-61-1	Degradant	\$ 400

API: **Donepezil Hydrochloride** | Official Monograph: **Donepezil Hydrochloride** | Therapeutic Area: **Psychiatric**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A00250	Donepezil Quaternary Salt (Donepezilbenzyl Bromide) (25 mg)		844694-85-5	Process	\$ 670

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API: **Drospirenone** | Official Monograph: **Drospirenone** | Therapeutic Area: **Steroids**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A04900	7-Hydroxymethyl Drospirenone (10 mg) NEW		N/A	Degradant	\$ 990
1A04920	7-Chloromethyl 17-Epidrospirenone (25 mg) NEW	Drospirenone	932388-89-1	Degradant	\$ 1,725
1A05070	7-Chloromethyl Drospirenone (10 mg) NEW	Drospirenone	932388-90-4	Degradant	\$ 550

API: **Duloxetine** | Official Monograph: **Duloxetine Hydrochloride** | Therapeutic Area: **Psychiatric**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A00940	Duloxetine 4-Naphthyl Isomer Hydrobromide (25 mg)		949096-01-9	Degradant	\$ 880
1A00950	Duloxetine Beta-Naphthol-1-yl Isomer (25 mg)	Duloxetine Hydrochloride	1033803-59-6	Degradant	\$ 900

API: **Duloxetine** | Official Monograph: **Duloxetine Hydrochloride** | Therapeutic Area: **Psychiatric**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A00960	Duloxetine Alcohol (25 mg)	Duloxetine Hydrochloride	116539-57-2	Intermediate	\$ 690
1A00970	N-Methyl Duloxetine Oxalate (25 mg)		132335-47-8	Intermediate	\$ 770
1A01070	Alpha-Naphthol (25 mg)	Duloxetine Delayed-Release Capsules	90-15-3	Process	\$ 770
1A02160	4-Hydroxy Duloxetine Acetate (25 mg) REDUCED PRICE		2705426-23-7	Process	\$ 1,120
1A02170	Duloxetine Phenylcarbamate (50 mg)		947686-09-1	Intermediate	\$ 700
1A02180	rac-Duloxetine-d7 Maleate (25 mg) REDUCED PRICE		N/A		\$ 1,320
1A02190	Duloxetine Phthalamide (25 mg)		199191-67-8	Process	\$ 770
1A02200	Duloxetine Regioisomer (25 mg)		940291-11-2	Process	\$ 800
1A02210	N-Methyl Duloxetine 3-Isomer Oxalate (25 mg) REDUCED PRICE		N/A	Process	\$ 1,320

API: **Edoxaban Tosylate** | Official Monograph: **None** | Therapeutic Area: **Anticoagulants & Antiplatelets**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A04800	tert-Butyl ((1S,2R,5S)-2-amino-5-(dimethylcarbamoyl)cyclohexyl) carbamate oxalate (25 mg) NEW		2703724-30-3		\$ 3,850
1A04810	tert-Butyl ((1R,2R,5S)-2-amino-5-(dimethylcarbamoyl)cyclohexyl) carbamate oxalate (25 mg) NEW		1928729-31-0		\$ 2,800

API: **Eliglustat** | Official Monograph: **None** | Therapeutic Area: **Others-Chemical Medicines**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A03490	(1S,2R)-Eliglustat Diastereomer (25 mg) NEW		1092472-65-5		\$ 2,700

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API: **Eltrombopag Olamine; Eltrombopag** | Official Monograph: **None** | Therapeutic Area: **Cardiovascular**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A05750	Eltrombopag Methyl Ester (25 mg) NEW		1246929-01-0		\$ 700

API: **Empagliflozin** | Official Monograph: **None** | Therapeutic Area: **Cardiovascular**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A04530	Desfuranyl Empagliflozin (25 mg) NEW		864070-37-1		\$ 1,350
1A04540	1-Methoxy Empagliflozin (25 mg) NEW		1279691-36-9		\$ 1,500

API: **Emtricitabine** | Official Monograph: **Emtricitabine** | Therapeutic Area: **Antivirals**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A04610	Emtricitabine 2-Epimer (25 mg) NEW		145416-34-8		\$ 2,850
1A04620	Emtricitabine Enantiomer (25 mg) NEW	Emtricitabine	137530-41-7		\$ 1,650
1A04980	Emtricitabine Carboxylic Acid (25 mg) NEW		1238210-10-0		\$ 850
1A05090	Emtricitabine Sulfoxide (25 mg) NEW	Emtricitabine	152128-77-3		\$ 800

API: **Epinephrine** | Official Monograph: **Epinephrine** | Therapeutic Area: **Cardiovascular**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A02740	Epinephrine Hydrochloride Methoxy Analog (25 mg)	Epinephrine	74571-90-7	Process	\$ 1,200

API: **Escitalopram** | Official Monograph: **Escitalopram Oxalate** | Therapeutic Area: **Psychiatrics**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A01750	Desfluorocitalopram Oxalate (25 mg)		1093072-86-6	Process	\$ 900
1A01760	Escitalopram Open Ring (25 mg)		103146-25-4	Intermediate	\$ 440
1A01770	5-Dimethylaminobutyryl Citalopram Oxalate (25 mg)	Escitalopram Oral Solution	N/A	Process	\$ 800
1A01780	Escitalopram Acid Analog (25 mg)		440121-09-5	Degradant	\$ 800

API: **Ethinyl Estradiol** | Official Monograph: **Ethinyl Estradiol** | Therapeutic Area: **Steroids**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A00100	6Alpha-Hydroxy Ethinyl Estradiol (25 mg)	Drospirenone and Ethinyl Estradiol Tablets	27521-34-2	Degradant	\$ 395
1A00110	6Beta-Hydroxy Ethinyl Estradiol (25 mg)	Drospirenone and Ethinyl Estradiol Tablets	56324-28-8	Degradant	\$ 925

API: **Ezetimibe** | Official Monograph: **Ezetimibe** | Therapeutic Area: **Antihyperlipidemics**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A00140	R,R,S-Ezetimibe (25 mg)	Ezetimibe	163380-16-3	Process	\$ 675

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API: **Fexofenadine** | Official Monograph: **Fexofenadine Hydrochloride** | Therapeutic Area: **Antihistamines**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A00731	Fexofenadine Olefin (25 mg)		1187954-57-9	Degradant	\$ 900
1A00980	Fexofenadine Chloro Analog (25 mg)		154477-54-0	Intermediate	\$ 700
1A01920	Fexofenadine N-Oxide (25 mg)		1422515-52-3	Degradant	\$ 1,200

API: **Fingolimod** | Official Monograph: **Fingolimod Hydrochloride** | Therapeutic Area: **Immunosuppressants**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A03540	Fingolimod Nonyl Homolog (25 mg) NEW	Fingolimod Hydrochloride	746594-44-5		\$ 750
1A03550	Fingolimod Heptyl Homolog (25 mg) NEW	Fingolimod Hydrochloride	745767-97-9		\$ 1,350
1A03560	Fingolimod Hexyl Homolog (25 mg)	Fingolimod Hydrochloride	1201794-93-5	Process	\$ 1,350
1A03570	Fingolimod Decyl Homolog (25 mg)	Fingolimod Hydrochloride	780729-32-0	Process	\$ 1,350

API: **Fluticasone Furoate** | Official Monograph: **None** | Therapeutic Area: **Steroids**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A04630	Fluticasone Propionate Thioacid (25 mg) NEW		80474-45-9		\$ 725
1A04640	Ticabesone Furoate (25 mg) NEW		397864-58-3		\$ 1,250
1A04650	Fluticasone Furoate 17-Carboxylic Acid (25 mg) NEW		397864-63-0		\$ 1,000
1A04660	Fluticasone Oxathiolane (25 mg) NEW		219719-95-6		\$ 480

API: **Fluticasone Propionate** | Official Monograph: **Fluticasone Propionate** | Therapeutic Area: **Steroids**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A00700	Fluticasone Propionate Acid (25 mg)		65429-42-7	Intermediate	\$ 770
1A01030	1,2-Dihydro Fluticasone Propionate (25 mg)		105613-90-9	Degradant	\$ 1,100
1A01040	11-Ketofluticasone Propionate (25 mg)		1219174-94-3	Process	\$ 900
1A01120	Fluticasone Sulfenic Acid (25 mg)	Fluticasone Propionate	948566-12-9	Process	\$ 700
1A01130	Fluticasone Propionate Trisulfide (25 mg) REDUCED PRICE		960071-64-1	Process	\$ 1,360
1A01910	Iodofluticasone Propionate (25 mg)		80474-67-5	Intermediate	\$ 1,100

API: **Formoterol Fumarate** | Official Monograph: **Formoterol Fumarate** | Therapeutic Area: **Pulmonary**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A04330	3-Methyl Formoterol (50 mg)	Formoterol Fumarate	1616967-26-0		\$ 2,000

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API: **Fulvestrant** | Official Monograph: **Fulvestrant** | Therapeutic Area: **Oncology**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A03580	6-Keto Fulvestrant (25 mg)	Fulvestrant	2858589-78-1		\$ 1,400
1A03670	Fulvestrant Sulfone (25 mg)	Fulvestrant	98008-06-1		\$ 1,150
1A03680	Nonylene Bisestradiol (25 mg)		2483797-59-5		\$ 2,500

API: **Hydrochlorothiazide** | Official Monograph: **Hydrochlorothiazide** | Therapeutic Area: **Urology**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A03590	5-Chloro Hydrochlorothiazide (25 mg)	Hydrochlorothiazide	5233-42-1		\$ 800
1A03600	Mebetide (25 mg)		360-81-6		\$ 600

API: **Ibuprofen** | Official Monograph: **Ibuprofen** | Therapeutic Area: **Analgesics**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A00290	Isopropyl 4-acetylbenzoate (25 mg)		220089-22-5	Process	\$ 150
1A00310	Hydroxyisobutyl Acetophenone (25 mg) REDUCED PRICE		1314907-71-5	Process	\$ 280
1A00480	Ibuprofen Tetraethylene Glycol Diester (25 mg)		1161014-75-0	Process	\$ 350

API: **Ivabradine Hydrochloride** | Official Monograph: **None** | Therapeutic Area: **Cardiovascular**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A02920	1-Oxo Ivabradine Hydrochloride (25 mg)		1616710-50-9	Process	\$ 2,000
1A02930	3-Desmethyl Ivabradine Hydrochloride (25 mg)		N/A	Process	\$ 2,850
1A02940	Ivabradine Amine Hydrochloride (25 mg)		866783-13-3	Intermediate	\$ 750
1A02950	4-Desmethyl Ivabradine Hydrochloride (25 mg)		N/A	Process	\$ 1,650
1A02960	N-Desmethyl Ivabradine Hydrochloride (25 mg)		1246638-08-3	Process	\$ 1,000
1A02970	7-Desmethyl Ivabradine (25 mg)		304462-60-0	Process	\$ 3,000
1A02980	Dehydro Ivabradine (25 mg)		1086026-31-4	Intermediate	\$ 1,200
1A03090	Ivabradine N-Oxide (25 mg)		2511244-97-4	Process	\$ 900
1A03110	Hydroxy Ivabradine (25 mg)		1235547-07-5	Intermediate	\$ 950
1A03120	Ivabradine R-Enantiomer Hydrochloride (25 mg)		148849-68-7	Process	\$ 1,800
1A03130	Ivabradine Open Ring (25 mg)		1462470-54-7	Intermediate	\$ 900
1A03140	Ivabradine Veratryl Analog Hydrochloride (25 mg)		N/A	Process	\$ 1,500
1A03150	Ivabradine Chloroveratryl Analog Hydrochloride (25 mg)		N/A	Process	\$ 2,000

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API: **Ivabradine Hydrochloride** | Official Monograph: **None** | Therapeutic Area: **Cardiovascular**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A03160	Ivabradine Bisbenzazepine Analog (25 mg)		2731089-65-7	Process	\$ 1,100
1A03200	5-Hydroxy Ivabradine (25 mg)		2253977-80-7	Process	\$ 1,800
1A04340	8-Desmethyl Ivabradine Hydrochloride (25 mg)		N/A		\$ 3,900

API: **Ketoprofen** | Official Monograph: **Ketoprofen** | Therapeutic Area: **Analgesics**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A02750	2-(3-Carboxyphenyl)propionitrile (25 mg)		5537-71-3	Intermediate	\$ 600
1A02760	3-Carboxyphenylacetonitrile (25 mg)		5689-33-8	Process	\$ 600
1A02770	Dimethylketoprofen (25 mg)		1785759-59-2		\$ 850
1A02780	2,4,5-Trimethylketoprofen (25 mg)		1797984-80-5	Process	\$ 850
1A02910	Benzoylphenylacetonitrile (25 mg)		21288-34-6	Intermediate	\$ 600

API: **Lacosamide** | Official Monograph: **Lacosamide** | Therapeutic Area: **Psychiatric**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A01790	N-Methyl Lacosamide (25 mg)	Lacosamide	2742962-60-1	Process	\$ 2,000
1A01800	Lacosamide Acrylamide Analog (25 mg)		86921-49-5	Degradant	\$ 700
1A01810	N-Benzylacetamide (N-Acetylbenzylamine) (25 mg)	Lacosamide	588-46-5	Process	\$ 700
1A01820	Ureidolacosamide (25 mg)	Lacosamide	2295925-90-3	Process	\$ 1,900
1A02310	N-Methyl rac-Lacosamide (25 mg) REDUCED PRICE	Lacosamide	388619-64-5	Process	\$ 720

API: **Lamivudine** | Official Monograph: **Lamivudine** | Therapeutic Area: **Antivirals**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A03610	R,R-Lamivudine (25 mg)		139757-68-9		\$ 1,780
1A05120	Lamivudine R-sulfoxide (25 mg) NEW	Lamivudine and Zidovudine Tablets	160552-54-5		\$ 930
1A05130	Lamivudine Uracil Derivative (25 mg) NEW	Lamivudine and Zidovudine Tablets	145986-07-8		\$ 825
1A05140	Lamivudine-trans (25 mg) NEW	Lamivudine Oral Solution	131086-22-1		\$ 2,500

API: **Lenalidomide** | Official Monograph: **None** | Therapeutic Area: **Hematology and Oncology**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A03380	5-Hydroxy Lenalidomide (25 mg)		1421593-78-3		\$ 2,100
1A03390	N-Formyl Lenalidomide (25 mg)		2197414-56-3	Process	\$ 1,650

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API: **Lenalidomide** | Official Monograph: **None** | Therapeutic Area: **Hematology and Oncology**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A03620	N-Methyl Lenalidomide (25 mg)		2197421-58-0	Process	\$ 1,200
1A03660	N-Acetyl Lenalidomide (25 mg)		1421593-80-7	Process (Possible Metabolite)	\$ 1,250
1A04780	Lenalidomide Open Ring (25 mg)		2197414-55-2		\$ 1,300
1A04790	Lenalidomide Open Ring Diacid (25 mg) NEW		295357-66-3		\$ 550

API: **Lenvatinib** | Official Monograph: **None** | Therapeutic Area: **Oncology**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A03800	Lenvatinib N-Oxide (25 mg)		1788901-86-9		\$ 1,750

API: **Levetiracetam** | Official Monograph: **Levetiracetam** | Therapeutic Area: **Psychiatrics**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A00370	R-Levetiracetam Hydroxybutyramide Analog (10 mg)		1847568-87-9	Process	\$ 450
1A00440	S-Levetiracetam Hydroxybutyramide Analog (10 mg)		1868118-63-1	Intermediate	\$ 450
1A00530	N6-(1-Iminoethyl)-D-lysine (10 mg) REDUCED PRICE		1844123-52-9	Process	\$ 360
1A00540	Bis((R)-Butyramide) (10 mg) REDUCED PRICE		1867585-44-1	Process	\$ 360
1A02220	Levetiracetam Crotonamide (10 mg)		358629-47-7	Intermediate	\$ 750

API: **Levofloxacin** | Official Monograph: **Levofloxacin** | Therapeutic Area: **Antibiotics**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A00160	Decarboxy Levofloxacin (25 mg)	Levofloxacin Tablets	178964-53-9	Degradant	\$ 550

API: **Levothyroxine Sodium** | Official Monograph: **Levothyroxine Sodium** | Therapeutic Area: **Endocrine**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A03250	Monochlorotriiodothyronine (25 mg)	Levothyroxine Sodium	909279-46-5		\$ 2,500

API: **Linagliptin** | Official Monograph: **None** | Therapeutic Area: **Endocrine**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A04850	2-(Chloromethyl)-4-methylquinazoline (25 mg) NEW		109113-72-6		\$ 475
1A04870	N-Acetyl Linagliptin (25 mg) NEW		1803079-49-3		\$ 575
1A04880	3-Methyl-7-(2-butyn-1-yl)-8-bromoxanthine (25 mg) NEW		666816-98-4		\$ 395

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API: **Lurasidone Hydrochloride** | Official Monograph: **None** | Therapeutic Area: **Psychiatric**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A04940	Norbornanedicarboximide (25 mg) NEW		14805-29-9		\$ 475
1A04950	cis-Lurasidone Hydrochloride (25 mg) NEW		139563-25-0		\$ 1,250
1A04960	endo-Lurasidone (25 mg) NEW		1318074-25-7		\$ 795

API: **Metformin Hydrochloride** | Official Monograph: **Metformin Hydrochloride** | Therapeutic Area: **Endocrine**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A02890	Guanylmelamine Dinitrate (25 mg)		27369-26-2	Process	\$ 500

API: **Metoprolol Succinate** | Official Monograph: **Metoprolol Succinate** | Therapeutic Area: **Cardiovascular**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A03310	O-Desmethylmetoprolol (25 mg)		62572-94-5	Metabolite	\$ 600

API: **Mirabegron** | Official Monograph: **None** | Therapeutic Area: **Renal**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A05000	Mirabegron S-Enantiomer (25 mg) NEW		1796931-48-0		\$ 975
1A05010	Mirabegron N-Thiazolacetyl Analog (25 mg) NEW		1684452-83-2		\$ 795

API: **Moxifloxacin** | Official Monograph: **Moxifloxacin Hydrochloride** | Therapeutic Area: **Antibiotics**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A00990	Decarboxy Moxifloxacin (25 mg)	Moxifloxacin Ophthalmic Solution	1322062-57-6	Degradant	\$ 500
1A01000	Floxacin Amine (25 mg)	Moxifloxacin Ophthalmic Solution	172426-88-9	Process	\$ 900

API: **Olanzapine** | Official Monograph: **Olanzapine** | Therapeutic Area: **Psychiatric**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A01010	Olanzapine Lactam (25 mg)	Olanzapine Orally Disintegrating Tablets	1017241-34-7	Degradant	\$ 1,200
1A01020	Olanzapine Thiolactam (25 mg)	Olanzapine Orally Disintegrating Tablets	1017241-36-9	Degradant	\$ 1,500

API: **Omeprazole** | Official Monograph: **Omeprazole** | Therapeutic Area: **Gastrointestinal**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A00060	Desmethoxy Omeprazole (25 mg)	Omeprazole	110374-16-8	Degradant	\$ 457

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API: **Orlistat** | Official Monograph: **Orlistat** | Therapeutic Area: **Endocrinology**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A03330	Orlistat Open Ring Amide (25 mg)	Orlistat	N/A	Process	\$ 2,500

API: **Oxcarbazepine** | Official Monograph: **Oxcarbazepine** | Therapeutic Area: **Gastrointestinal**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A03260	Dibenzazepinodione (50 mg)	Oxcarbazepine	19579-83-0	Process	\$ 1,100

API: **Palbociclib** | Official Monograph: **None** | Therapeutic Area: **Oncology**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A04740	N-Formyl Palbociclib (25 mg) NEW		2174002-16-3		\$ 1,500

API: **Paliperidone Palmitate** | Official Monograph: **Paliperidone** | Therapeutic Area: **Psychiatrics**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A04930	Hydroxybenzoyl Paliperidone (25 mg) NEW	Paliperidone	152542-03-5		\$ 1,235

API: **Paroxetine Mesylate** | Official Monograph: **None** | Therapeutic Area: **Psychiatrics**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A02990	Paroxetine Hydrochloride Piperidinemethanol Analog (25 mg)		220548-73-2	Degradant	\$ 750
1A03000	Paroxetine Hydrochloride Catechol Analog (25 mg)		1394861-12-1	Process	\$ 750
1A03010	N-Phenoxy carbonyl Paroxetine (25 mg)		253768-88-6	Intermediate	\$ 770
1A03020	(3S,4S)-Paroxol (25 mg)		100332-20-5	Process	\$ 1,400
1A03030	(3R,4R)-Paroxol (25 mg)		100332-12-5	Process	\$ 1,400
1A03040	Desfluoro (3S,4R)-Paroxol (25 mg)		176022-03-0	Process	\$ 1,200
1A03050	Paroxetine Methoxy Analog (25 mg)		N/A	Process	\$ 2,150
1A03060	Paroxol (25 mg)		105812-81-5	Intermediate	\$ 600

API: **Pazopanib** | Official Monograph: **None** | Therapeutic Area: **Oncology**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A04670	1,3-Dimethyl-6-nitroindazole (25 mg)		1354224-47-7		\$ 750
1A04680	3-Amino-4-tolylsulfonamide (25 mg) NEW		6274-28-8		\$ 750
1A04830	N-(2-Methoxypyrimidin-4-yl)-N,2,3-trimethyl-2H-indazol-6-amine (25 mg) NEW		1296888-47-5		\$ 475

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API: **Pemetrexed** | Official Monograph: **Pemetrexed Disodium** | Therapeutic Area: **Oncology**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A00610	Pemetrexed Glutamide Trisodium Salt (25 mg)	Pemetrexed Disodium	1265908-59-5	Process	\$ 650
1A00620	Pemetrexed Disodium Enantiomer (25 mg)		937370-10-0	Process	\$ 650
1A00630	Pemetrexed Acid N-Hydroxysuccinimide Ester (25 mg) REDUCED PRICE		204257-65-8	Intermediate	\$ 400
1A00640	Pemetrexed Dimethyl Ester (25 mg) REDUCED PRICE		155405-81-5	Intermediate	\$ 520
1A01140	Pemetrexed Acid (25 mg)		137281-39-1	Intermediate	\$ 650
1A01150	Pemetrexed Glutamide Sodium (25 mg)	Pemetrexed Disodium	144051-68-3 (free acid)	Process	\$ 700
1A02230	Pemetrexed Tromethamide (25 mg) REDUCED PRICE		N/A	Process	\$ 1,120
1A02360	Pemetrexed Sodium 1-Methyl Ester (25 mg) REDUCED PRICE		1265908-61-9	Process	\$ 720
1A02370	Pemetrexed Sodium 5-Methyl Ester (25 mg) REDUCED PRICE		1265908-60-8	Process	\$ 1,120

API: **Piperacillin** | Official Monograph: **Piperacillin** | Therapeutic Area: **Antibiotics**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A03070	Piperazinedionecarbonyl D-phenylglycylglycine (25 mg)	Piperacillin and Tazobactam for Injection	2170771-47-6	Degradant	\$ 1,300

API: **Pregabalin** | Official Monograph: **Pregabalin** | Therapeutic Area: **Psychiatrics**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A01840	Isobutylglutarmonoamide (25 mg)	Pregabalin	181289-15-6	Intermediate	\$ 600
1A02320	Pregabalin Diethylamide D-Tartrate (25 mg)		1094517-98-2		\$ 1,100
1A02330	rac-4,5-Dehydropregabalin (25 mg)		216576-74-8	Process	\$ 800
1A02340	Lactosyl Pregabalin Pyrrolidone (25 mg)		466678-44-4	Degradant	\$ 2,000
1A02350	rac-5,6-Dehydropregabalin (25 mg)		1136478-30-2	Process	\$ 2,000
1A02400	Diisobutyl Diazecinedione (25 mg) REDUCED PRICE		1990538-03-8	Process	\$ 1,520
1A01830	Isobutylglutarmonoamide (R-Isomer) (25 mg)		181289-33-8	Intermediate	\$ 1,500
1A02380	rac-Pregabalin Imide Dimer Amide (25 mg)		1486961-58-3	Degradant	\$ 2,000

API: **Promethazine** | Official Monograph: **Promethazine Hydrochloride** | Therapeutic Area: **Antihistamines**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A02810	Desmethyl Promethazine Hydrochloride (25 mg)	Promethazine and Phenylephrine Hydrochloride and Codeine Phosphate Oral Solution	60113-77-1	Process	\$ 850

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API: **Quetiapine Fumarate** | Official Monograph: **Quetiapine Fumarate** | Therapeutic Area: **Psychiatrics**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A00130	Quetiapine Tetraethylene Glycol Fumarate Salt (25 mg)		2470243-24-2	Process	\$ 350
1A00150	Bis (Dibenzothiazepinyl) Piperazine (25 mg)	Quetiapine Fumarate	945668-94-0	Process	\$ 650
1A00180	N-Ethyl Quetiapine (25 mg)	Quetiapine Fumarate	N/A	Process	\$ 750
1A00190	Quetiapine Desethoxy (25 mg)	Quetiapine Fumarate	329216-67-3	Intermediate	\$ 306

API: **Rifaximin** | Official Monograph: **None** | Therapeutic Area: **Antibiotics**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A03810	Rifamycin O (25 mg)		14487-05-9		\$ 700

API: **Risperidone** | Official Monograph: **Risperidone** | Therapeutic Area: **Psychiatrics**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A00520	5-Fluoro Risperidone (25 mg)	Risperidone	1199589-74-6	Process	\$ 500
1A00580	4-Fluoro Risperidone (10 mg) REDUCED PRICE		N/A	Process	\$ 360
1A00590	7-Fluoro Risperidone (10 mg) REDUCED PRICE		N/A	Process	\$ 420
1A00600	Risperidone Difluoroketone (10 mg)	Risperidone	158697-67-7	Intermediate	\$ 350

API: **Rivaroxaban** | Official Monograph: **Rivaroxaban** | Therapeutic Area: **Anticoagulants & Antiplatelets**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A00650	Rivaroxaban Open Ring Methylamine (10 mg) REDUCED PRICE		2459303-14-9	Process	\$ 1,200
1A00660	Rivaroxaban Phthalamide (25 mg)		1365267-36-2	Process	\$ 680
1A00670	Rivaroxaban Open Ring (10 mg)		721401-53-2	Intermediate	\$ 400
1A01160	Rivaroxaban Amine (25 mg)		898543-06-1	Intermediate	\$ 770
1A01170	Rivaroxaban Glycolic Acid Analog (25 mg)		931204-39-6	Degradant	\$ 880
1A01180	Chlorothiophene Carboxylic Acid (25 mg)		24065-33-6	Intermediate	\$ 770
1A01190	Rivaroxaban N-acyl Glycolic Acid (25 mg)		1151893-81-0	Process	\$ 1,200
1A01450	Chloro N-Methylthiophene Carboxamide (25 mg) REDUCED PRICE		97799-98-9	Process	\$ 704
1A01460	Rivaroxaban Open Chain Dithiophene Analog (10 mg)		1807455-76-0	Process	\$ 3,000
1A01470	Rivaroxaban Desmorpholinone Analog (25 mg) REDUCED PRICE		936232-22-3	Intermediate	\$ 3,520
1A01480	Desthiophenerivaroxaban Methylcarbamate Analog (25 mg) REDUCED PRICE		1838139-08-4	Process	\$ 960

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API: **Rivaroxaban** | Official Monograph: **Rivaroxaban** | Therapeutic Area: **Anticoagulants & Antiplatelets**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A01490	Methylisoindolinedione (25 mg) REDUCED PRICE		550-44-7	Process	\$ 616
1A01500	Desthiophenerivaroxaban Phthalimodo Analog (25 mg) REDUCED PRICE		1424944-35-3	Intermediate	\$ 704
1A01510	Rivaroxaban Desthiophene Analog (25 mg) REDUCED PRICE		1411775-06-8	Intermediate	\$ 880
1A01520	Rivaroxaban N-methylphthalamido Analog (25 mg)		2206360-74-7	Process	\$ 1,210
1A01530	Aminophenylmorpholinone (25 mg)		438056-69-0	Intermediate	\$ 770
1A01540	(S)-Glycidyl Phthalimide (25 mg)		161596-47-0	Intermediate	\$ 770
1A01550	Rivaroxaban Open Ring S-Isomer (25 mg)		1325210-62-5	Intermediate	\$ 2,900
1A01560	Chlorothiophene Aldehyde (25 mg)		7283-96-7	Intermediate	\$ 1,400
1A01570	Rivaroxaban Phthalimido Analog (25 mg)		446292-07-5	Intermediate	\$ 880
1A01580	Dichlorothiophene Carboxylic Acid (25 mg) REDUCED PRICE		89166-94-9	Process	\$ 616
1A01590	Nitrophenylchlorothiophene Carboxylate (25 mg) REDUCED PRICE		1450877-56-1	Intermediate	\$ 704
1A01600	Diphthalimido Morpholinone Analog (25 mg) REDUCED PRICE		1643354-27-1	Process	\$ 704
1A01610	Aminophenylmorpholin-2-one (25 mg) REDUCED PRICE		1456733-00-8	Process	\$ 1,120
1A02240	Rivaroxaban Open Oxomorpholine Ring (10 mg) REDUCED PRICE		1160170-00-2	Degradant	\$ 2,400
1A02250	Rivaroxaban Ethyl Carbamate (25 mg) REDUCED PRICE		1327778-39-1	Intermediate	\$ 1,120
1A02260	Dichlorothiobenzoic Acid (25 mg) REDUCED PRICE		31166-29-7	Process	\$ 880
1A02270	Rivaroxaban Phthalimide (25 mg)		1369969-44-7	Intermediate	\$ 770
1A02280	Rivaroxaban Isomer (25 mg)		2310316-95-9	Process	\$ 2,400
1A02290	Rivaroxaban Phthalimido Ethyl Ester Analog (25 mg) REDUCED PRICE		2206826-56-2	Process	\$ 2,080
1A02300	Rivaroxaban Ethylamino Analog (25 mg) REDUCED PRICE		N/A	Process	\$ 1,600

API: **Rosuvastatin Calcium** | Official Monograph: **Rosuvastatin Calcium** | Therapeutic Area: **Antihyperlipidemics**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A00050	Rosuvastatin Ketone (25 mg)	Rosuvastatin Calcium	1422619-13-3	Degradant	\$ 795
1A00170	Rosuvastatin Isoamyl Ester (25 mg)		1197348-98-3	Intermediate	\$ 695
1A01200	Rosuvastatin Lactone (25 mg)	Rosuvastatin Calcium	503610-43-3	Intermediate	\$ 770

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API: **Salmeterol** | Official Monograph: **Salmeterol Xinafoate** | Therapeutic Area: **Pulmonary**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A04820	4-Phenylbutyl(benzyl)amine Hydrochloride (25 mg) NEW		144391-74-2		\$ 750
1A04690	Phenylethoxy Salmeterol (0 mg) NEW	Salmeterol Xinafoate	94749-02-7		\$ 750
1A04700	Phenylpropoxy Salmeterol (25 mg) NEW	Salmeterol Inhalation Powder	94749-11-8		\$ 1,500
1A04710	Deoxy Salmeterol (25 mg)	Salmeterol Xinafoate	1391054-40-2		\$ 950

API: **Sitagliptin** | Official Monograph: **Sitagliptin Phosphate** | Therapeutic Area: **Endocrine**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A02600	Sitagliptin Phenylcrotonyl Analog (25 mg)	Sitagliptin Tablets	1253056-18-6	Degradant	\$ 1,200
1A02610	Sitagliptin Styrylacetyl Analog (25 mg)	Sitagliptin Tablets	1803026-58-5	Degradant	\$ 750
1A02620	Sitagliptin (R)-Triazecine Analog (25 mg)	Sitagliptin Tablets	2088771-61-1	Process	\$ 1,500
1A02630	(S)-Sitagliptin Phosphate (25 mg)		823817-58-9	Process	\$ 1,000
1A02640	rac-Sitagliptin Hydrochloride (25 mg)		2309520-11-2	Process	\$ 400
1A02650	Sitagliptin Enamine (25 mg)		767340-03-4	Intermediate	\$ 700
1A02660	Sitagliptin Alcohol (25 mg)		1253056-01-7	Intermediate	\$ 550
1A02670	Sitagliptin Ketone (25 mg)		764667-65-4	Intermediate	\$ 300
1A02820	2,5-Difluoro Sitagliptin (25 mg)		486460-31-5	Process	\$ 900
1A02830	2,4-Difluoro Sitagliptin (25 mg)		945261-48-3	Process	\$ 900
1A02840	Sitagliptin Acid (25 mg)	Sitagliptin Tablets	936630-57-8	Intermediate	\$ 900

API: **Sugammadex** | Official Monograph: **None** | Therapeutic Area: **Others-Chemical Medicines**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A04300	6-Bromo-6-deoxy-γ-cyclodextrin (10 mg)		53784-84-2		\$ 850
1A04310	Sugammadex Sodium Sulfone (10 mg)		N/A		\$ 1,100
1A04560	Sugammadex Sodium Sulfoxide (10 mg)		1202259-85-5		\$ 1,500

API: **Sunitinib Malate** | Official Monograph: **Sunitinib Malate [PF 49(6)]** | Therapeutic Area: **Oncology**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A05030	Desimidazoline Sunitinib (25 mg) NEW		356068-86-5		\$ 425
1A05050	Sunitinib N-Oxide (25 mg) NEW		356068-99-0		\$ 850
1A05060	Desethyl Sunitinib (25 mg) NEW		356068-97-8		\$ 1,395

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API: **Tacrolimus** | Official Monograph: **Tacrolimus** | Therapeutic Area: **Immunosuppressants**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A01930	Tacrolimus 5E-ene (25 mg)		104987-16-8	Process	\$ 1,600
1A01940	Methoxycyclohexanol Methacrylic Aldehyde (25 mg)		109466-74-2	Degradant	\$ 700

API: **Tenofovir** | Official Monograph: **None** | Therapeutic Area: **Antivirals**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A04320	Tenofovir Soproxil (25 mg)		211364-69-1		\$ 1,200

API: **Timolol** | Official Monograph: **Timolol Maleate** | Therapeutic Area: **Cardiovascular**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A00040	Hydroxythiadiazol Sulfoxide Derivative (25 mg)	Dorzolamide Hydrochloride and Timolol Maleate Ophthalmic Solution	75202-36-7	Degradant	\$ 600

API: **Tiotropium Bromide** | Official Monograph: **Tiotropium Bromide** | Therapeutic Area: **Pulmonary**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A04890	Scopine di(2-thienylglycolate) (25 mg) NEW		136310-64-0		\$ 490
1A05100	Methyl Dithienyl Glycolate (25 mg) NEW	Tiotropium Bromide	26447-85-8		\$ 490
1A05110	Dithienyl Jetone (25 mg) NEW	Tiotropium Bromide	704-38-1		\$ 675

API: **Tobramycin** | Official Monograph: **Tobramycin** | Therapeutic Area: **Antibiotics**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A00390	Nebramine (10 mg)	Tobramycin Inhalation Solution	34051-04-2	Degradant	\$ 790
1A01100	Deoxystreptamine Kanosaminide (25 mg)	Tobramycin Inhalation Solution	20744-51-8	NA	\$ 3,000

API: **Tolterodine Tartrate** | Official Monograph: **Tolterodine Tartrate** | Therapeutic Area: **Renal**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A01050	6-Methyl-4-phenylchromanol (25 mg)	Tolterodine Tartrate	209747-04-6	Intermediate	\$ 900
1A01060	6-Methyl-4-phenylchromanone (25 mg) REDUCED PRICE		40546-94-9	Intermediate	\$ 720
1A01620	Tolterodine Dimer (25 mg)		854306-72-2	Process	\$ 1,600
1A01680	Tolterodine Propanol Analog (25 mg) REDUCED PRICE		851789-43-0	Intermediate	\$ 1,440

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API: **Tolvaptan** | Official Monograph: **None** | Therapeutic Area: **Renal**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A04720	Tolvaptan Open Ring Ketoacid (25 mg) NEW		1346599-56-1		\$ 2,000
1A04730	Tolvaptan Open Ring Hydroxyacid (25 mg) NEW		1346599-75-4		\$ 3,200
1A04750	Tolvaptan S-Enantiomer (10 mg) NEW		331947-44-5		\$ 2,100
1A04760	Rac-Trans-4-Hydroxy Tolvaptan (10 mg) NEW		N/A		\$ 950

API: **Varenicline** | Official Monograph: **None** | Therapeutic Area: **Ophthalmology**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A03340	Varenicline Formamide (25 mg)		796865-82-2	Degradant & Process (possible Metabolite)	\$ 1,850
1A03350	Methyl Varenicline (25 mg)		1333145-89-3	Degradant & Process	\$ 1,900
1A03360	N-Methyl Varenicline (25 mg)		328055-92-1	Degradant	\$ 1,100
1A03370	Varenicline Acetamide (25 mg)		1213781-59-9		\$ 1,175
1A04770	Ketovarenicline Trifluoroacetate (25 mg) NEW		357426-10-9		\$ 975

API: **Vilanterol Trifenatate** | Official Monograph: **None** | Therapeutic Area: **Pulmonary**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A03820	Vilanterol Desethylene Homolog Triphenylacetate (25 mg)		N/A		\$ 1,500
1A03830	2,4-Dichloro Vilanterol Trifenatate Isomer (25 mg)		N/A		\$ 1,750
1A03840	2,5-Dichloro Vilanterol Trifenatate Isomer (25 mg)		N/A		\$ 1,500
1A03850	Vilanterol Trifenatate S-Enantiomer (25 mg)		N/A		\$ 1,950
1A03860	Vilanterol Trifenatate Dioxin (50 mg)		2677047-63-9		\$ 1,300
1A03910	Vilanterol Diamine Triphenylacetate (25 mg) NEW		N/A		\$ 1,650

API: **Zolpidem Tartrate** | Official Monograph: **Zolpidem Tartrate** | Therapeutic Area: **Psychiatrics**

ITEM NO.	PRODUCT NAME	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	CAS NUMBER	TYPE OF IMPURITY	PRICE
1A00750	Tolyloyl Bromopropionamide (25 mg)	Zolpidem Tartrate Tablets	836627-56-6	Intermediate	\$ 770
1A01630	Tolyloyl Propionamide (25 mg)	Zolpidem Tartrate Tablets	402470-91-1	Intermediate	\$ 770
1A01640	Tolyloyl Propionic Acid (25 mg)	Zolpidem Tartrate Tablets	4619-20-9	Process	\$ 770
1A01950	Dimethylacrylamide Toly Ketone (25 mg)	Zolpidem Tartrate Tablets	N/A	Process	\$ 880

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1A03500	Cyclopropyldiaminopurine (25 mg)	120503-69-7	Abacavir	Abacavir and Lamivudine Tablets	\$ 475
1A03440	Abiraterone Ethyl Ether (25 mg)	2484719-14-2	Abiraterone Acetate	Abiraterone Acetate	\$ 1,000
1A03450	Abiraterone Isopropyl Ether (25 mg)	2484719-15-3	Abiraterone Acetate	Abiraterone Acetate	\$ 800
1A03530	3-Deoxy 3-Chloroabiraterone (25 mg)	N/A	Abiraterone Acetate	Abiraterone Acetate	\$ 750
1A03510	7-Keto Abiraterone Acetate (25 mg) NEW	2410075-48-6	Abiraterone Acetate	Abiraterone Acetate Tablets	\$ 1,500
1A00710	Methoxyamiodarone (25 mg)	1087223-70-8	Amiodarone	Amiodarone Hydrochloride	\$ 3,800
1A00720	Desiodoamiodarone (25 mg)	23551-25-9	Amiodarone	Amiodarone Hydrochloride	\$ 800
1A01080	Desethylamiodarone (25 mg) (25 mg)	96027-74-6	Amiodarone	Amiodarone Hydrochloride	\$ 650
1A01090	Monoiodoamiodarone (25 mg)	85642-08-6	Amiodarone	Amiodarone Hydrochloride	\$ 1,050
1A00790	Atorvastatin Calcium Epoxy Pyrrolooxazin 7-Hydroxy Analog (25 mg)	N/A	Atorvastatin Calcium	Amlodipine and Atorvastatin Tablets	\$ 3,000
1A00800	Atorvastatin Epoxy Tetrahydrofuran Analog (25 mg)	873950-19-7	Atorvastatin Calcium	Amlodipine and Atorvastatin Tablets	\$ 3,000
1A00810	Atorvastatin Sodium Pyrrolidone Analog (25 mg)	148217-40-7	Atorvastatin Calcium	Amlodipine and Atorvastatin Tablets	\$ 3,000
1A00830	Atorvastatin tert-Butyl Ester (25 mg)	134395-00-9	Atorvastatin Calcium	Amlodipine and Atorvastatin Tablets	\$ 900
1A00200	Amlodipine Ethyl Analog (25 mg)	400024-12-6	Amlodipine	Amlodipine Besylate	\$ 495
1A02460	Aripiprazole 4,4'-dimer (25 mg)	1797986-18-5	Aripiprazole	Aripiprazole	\$ 1,700
1A00010	Atorvastatin Ethyl Ester (25 mg)	1146977-93-6	Atorvastatin Calcium	Atorvastatin Calcium	\$ 483
1A00760	Atorvastatin 3-deoxyhept-2-enoic Acid (25 mg)	1105067-93-3	Atorvastatin Calcium	Atorvastatin Calcium	\$ 1,500
1A00770	Diamino Atorvastatin Calcium (25 mg)	1105067-87-5	Atorvastatin Calcium	Atorvastatin Calcium	\$ 700
1A00020	Atorvastatin Methyl Ester (25 mg)	345891-62-5	Atorvastatin Calcium	Atorvastatin Calcium Tablets	\$ 474
1A00820	Atorvastatin Pyrrolidone Lactone (25 mg)	906552-19-0	Atorvastatin Calcium	Atorvastatin Calcium Tablets	\$ 3,000
1A00070	3'-(N,N-Didemethyl)azithromycin (Aminoazithromycin) (25 mg)	612069-27-9	Azithromycin	Azithromycin	\$ 882
1A00080	3'-De(dimethylamino)-3'-oxoazithromycin (25 mg)	612069-25-7	Azithromycin	Azithromycin	\$ 3,100
1A00210	3'-(N,N-Didemethyl)-3'-N-formylazithromycin (25 mg)	765927-71-7	Azithromycin	Azithromycin	\$ 2,364
1A00840	3'-demethyl-3'-N-[(4-methylphenyl)sulfonyl]azithromycin (25 mg)	612069-31-5	Azithromycin	Azithromycin	\$ 800
1A00860	Azithromycin C (3'-O-demethylazithromycin) (25 mg)	620169-47-3	Azithromycin	Azithromycin	\$ 3,000
1A00850	Azithromycin B (3-deoxyazithromycin) (25 mg)	307974-61-4	Azithromycin	Azithromycin for Injection	\$ 3,000
1A00500	Budesonide D-homo Analog (10 mg)	1040085-99-1	Budesonide	Budesonide	\$ 500

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1A00510	Budesonide Acetaldehyde Acetal (25 mg)	1040085-98-0	Budesonide	Budesonide	\$ 500
1A00880	16 α -Hydroxyprednisolone (25 mg)	13951-70-7	Budesonide	Budesonide	\$ 450
1A01370	Budesonide 21-butyrate (25 mg)	2408495-96-3	Budesonide	Budesonide	\$ 800
1A02000	Budesonide Pyruvic Acid (25 mg)	N/A	Budesonide	Budesonide Nasal Spray	\$ 1,500
1A00230	N-Isopropylcarvedilol (25 mg)	1246819-01-1	Carvedilol	Carvedilol	\$ 430
1A00890	Carvedilol Bisalkylpyrocatechol Derivative (25 mg)	1346602-98-9	Carvedilol	Carvedilol	\$ 850
1A02690	E-Cefepime (25 mg)	N/A	Cefepime hydrochloride	Cefepime Hydrochloride	\$ 2,500
1A01740	Desflurociprofloxacin Hydrochloride (25 mg)	2727369-47-1	Ciprofloxacin	Ciprofloxacin Extended-Release Tablets	\$ 770
1A02700	(R)-Laudanosine (25 mg)	85-63-2	Cisatracurium Besylate	Cisatracurium Besylate	\$ 800
1A02860	(R)-N-Methylaudanosine Iodide (25 mg)	41431-32-7	Cisatracurium Besylate	Cisatracurium Besylate	\$ 750
1A04260	6-O-Methylerythromycin A 9-(O-methyloxime) (25 mg)	107216-09-1	Clarithromycin	Clarithromycin	\$ 850
1A03410	Clarithromycin Furanyl Analog (25 mg)	127157-35-1	Clarithromycin	Clarithromycin Extended-Release Tablets	\$ 790
1A03630	Clarithromycin E-Oxime (25 mg)	127253-06-9	Clarithromycin	Clarithromycin Extended-Release Tablets	\$ 650
1A00400	Tetramethyl Ethylene Diamine (25 mg) REDUCED PRICE	110-18-9	Clavulanate Potassium	Clavulanate Potassium	\$ 1,040
1A00321	Clindamycin 3-Phosphate (10 mg)	28708-34-1	Clindamycin Phosphate	Clindamycin Phosphate	\$ 790
1A03270	Cyanocobalamin 7Beta,8Beta-lactone (25 mg)	23208-66-4	Cyanocobalamin	Cyanocobalamin	\$ 1,200
1A01110	Dehydro Desloratadine (25 mg)	117811-20-8	Desloratadine	Desloratadine	\$ 1,650
1A01210	Deoxyprednisolone-16-ene Acetate (25 mg)	3044-42-6	Budesonide	Desonide	\$ 1,200
1A00220	Desoximetasone Acid (25 mg)	75262-69-0	Dexamethasone	Desoximetasone	\$ 378
1A00120	Fluoroandrostadiene Carboxylic Acid (25 mg)	37927-01-8	Dexamethasone	Dexamethasone Sodium Phosphate	\$ 600
1A00340	Dexamethasone Ethyl Ester (25 mg)	2991360-83-7	Dexamethasone	Dexamethasone Sodium Phosphate	\$ 400
1A00250	Donepezil Quaternary Salt (donepezilbenzyl Bromide) (25 mg)	844694-85-5	Donepezil Hydrochloride	Donepezil Hydrochloride	\$ 670
1A00040	Hydroxythiadiazol Sulfoxide Derivative (25 mg)	75202-36-7	Timolol	Dorzolamide Hydrochloride and Timolol Maleate Ophthalmic Solution	\$ 600
1A04920	7-Chloromethyl 17-Epidrospirenone (25 mg) NEW	932388-89-1	Drospirenone	Drospirenone	\$ 1,725
1A05070	7-Chloromethyl Drospirenone (10 mg) NEW	932388-90-4	Drospirenone	Drospirenone	\$ 550

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1A01070	Alpha-Naphthol (25 mg)	90-15-3	Duloxetine	Duloxetine Delayed-Release Capsules	\$ 770
1A00940	Duloxetine 4-naphthyl Isomer Hydrobromide (25 mg)	949096-01-9	Duloxetine	Duloxetine Hydrochloride	\$ 880
1A00950	Duloxetine beta-naphthol-1-yl Isomer (25 mg)	1033803-59-6	Duloxetine	Duloxetine Hydrochloride	\$ 900
1A00960	Duloxetine Alcohol (25 mg)	116539-57-2	Duloxetine	Duloxetine Hydrochloride	\$ 690
1A04620	Emtricitabine Enantiomer (25 mg) NEW	137530-41-7	Emtricitabine	Emtricitabine	\$ 1,650
1A05090	Emtricitabine Sulfoxide (25 mg) NEW	152128-77-3	Emtricitabine	Emtricitabine	\$ 800
1A02740	Epinephrine Hydrochloride Methoxy Analog (25 mg)	74571-90-7	Epinephrine	Epinephrine	\$ 1,200
1A01770	5-Dimethylaminobutyryl Citalopram Oxalate (25 mg)	N/A	Escitalopram	Escitalopram Oral Solution	\$ 800
1A00140	R,R,S-Ezetimibe (25 mg)	163380-16-3	Ezetimibe	Ezetimibe	\$ 675
1A03540	Fingolimod Nonyl homolog (25 mg) NEW	746594-44-5	Fingolimod	Fingolimod Hydrochloride	\$ 750
1A03550	Fingolimod Heptyl Homolog (25 mg) NEW	745767-97-9	Fingolimod	Fingolimod Hydrochloride	\$ 1,350
1A03560	Fingolimod Hexyl Homolog (25 mg)	1201794-93-5	Fingolimod	Fingolimod Hydrochloride	\$ 1,350
1A03570	Fingolimod Decyl Homolog (25 mg)	780729-32-0	Fingolimod	Fingolimod Hydrochloride	\$ 1,350
1A01120	Fluticasone Sulfenic Acid (25 mg)	948566-12-9	Fluticasone Propionate	Fluticasone Propionate	\$ 700
1A04330	3-Methyl Formoterol (50 mg)	1616967-26-0	Formoterol Fumarate	Formoterol Fumarate	\$ 2,000
1A03580	6-Keto Fulvestrant (25 mg)	2858589-78-1	Fulvestrant	Fulvestrant	\$ 1,400
1A03670	Fulvestrant Sulfone (25 mg)	98008-06-1	Fulvestrant	Fulvestrant	\$ 1,150
1A03590	5-Chloro Hydrochlorothiazide (25 mg)	5233-42-1	Hydrochlorothiazide	Hydrochlorothiazide	\$ 800
1A01790	N-Methyl Lacosamide (25 mg)	2742962-60-1	Lacosamide	Lacosamide	\$ 2,000
1A01810	N-Benzylacetamide (25 mg)	588-46-5	Lacosamide	Lacosamide	\$ 700
1A01820	Ureidolacosamide (25 mg)	2295925-90-3	Lacosamide	Lacosamide	\$ 1,900
1A02310	N-Methyl rac-Lacosamide (25 mg) REDUCED PRICE	388619-64-5	Lacosamide	Lacosamide	\$ 720
1A05120	Lamivudine R-sulfoxide (25 mg) NEW	160552-54-5	Lamivudine	Lamivudine and Zidovudine Tablets	\$ 930
1A05130	Lamivudine Uracil Derivative (25 mg) NEW	145986-07-8	Lamivudine	Lamivudine and Zidovudine Tablets	\$ 825
1A05140	Lamivudine-trans (25 mg) NEW	131086-22-1	Lamivudine	Lamivudine Oral Solution	\$ 2,500
1A00160	Decarboxy Levofloxacin (25 mg)	178964-53-9	Levofloxacin	Levofloxacin Tablets	\$ 550
1A03250	Monochlorotriiodothyronine (25 mg)	909279-46-5	Levothyroxine Sodium	Levothyroxine Sodium	\$ 2,500
1A00990	Decarboxy Moxifloxacin (25 mg)	1322062-57-6	Moxifloxacin	Moxifloxacin Ophthalmic Solution	\$ 500

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1A01000	Floxacin Amine (25 mg)	172426-88-9	Moxifloxacin	Moxifloxacin Ophthalmic Solution	\$ 900
1A01010	Olanzapine Lactam (25 mg)	1017241-34-7	Olanzapine	Olanzapine Orally Disintegrating Tablets	\$ 1,200
1A01020	Olanzapine Thiolactam (25 mg)	1017241-36-9	Olanzapine	Olanzapine Orally Disintegrating Tablets	\$ 1,500
1A00060	Desmethoxy Omeprazole (25 mg)	110374-16-8	Omeprazole	Omeprazole	\$ 457
1A03330	Orlistat Open Ring Amide (25 mg)	N/A	Orlistat	Orlistat	\$ 2,500
1A03260	Dibenzazepinodione (50 mg)	19579-83-0	Oxcarbazepine	Oxcarbazepine	\$ 1,100
1A04930	Hydroxybenzoyl Paliperidone (25 mg) NEW	152542-03-5	Paliperidone Palmitate	Paliperidone	\$ 1,235
1A00610	Pemetrexed Glutamide Trisodium Salt (25 mg)	1265908-59-5	Pemetrexed	Pemetrexed Disodium	\$ 650
1A01150	Pemetrexed Glutamide Sodium (25 mg)	144051-68-3 (free acid)	Pemetrexed	Pemetrexed Disodium	\$ 700
1A03070	Piperazinedionecarbonyl D-phenylglycylglycine (25 mg)	2170771-47-6	Piperacillin	Piperacillin and Tazobactam for Injection	\$ 1,300
1A01840	Isobutylglutaramonamide (25 mg)	181289-15-6	Pregabalin	Pregabalin	\$ 600
1A02810	Desmethyl Promethazine Hydrochloride (25 mg)	60113-77-1	Promethazine	Promethazine and Phenylephrine Hydrochloride and Codeine Phosphate Oral Solution	\$ 850
1A00150	Bis (dibenzothiazepinyl) Piperazine (25 mg)	945668-94-0	Quetiapine Fumarate	Quetiapine Fumarate	\$ 650
1A00180	N-Ethyl Quetiapine (25 mg)	N/A	Quetiapine Fumarate	Quetiapine Fumarate	\$ 750
1A00190	Quetiapine Desethoxy (25 mg)	329216-67-3	Quetiapine Fumarate	Quetiapine Fumarate	\$ 306
1A00520	5-Fluoro Risperidone (25 mg)	1199589-74-6	Risperidone	Risperidone	\$ 500
1A00600	Risperidone Difluoroketone (10 mg)	158697-67-7	Risperidone	Risperidone	\$ 350
1A00050	Rosuvastatin Ketone (25 mg)	1422619-13-3	Rosuvastatin Calcium	Rosuvastatin Calcium	\$ 795
1A01200	Rosuvastatin Lactone (25 mg)	503610-43-3	Rosuvastatin Calcium	Rosuvastatin Calcium	\$ 770
1A04700	Phenylpropoxy Salmeterol (25 mg) NEW	94749-11-8	Salmeterol	Salmeterol Inhalation Powder	\$ 1,500
1A04690	Phenylethoxy Salmeterol (0 mg) NEW	94749-02-7	Salmeterol	Salmeterol Xinafoate	\$ 750
1A04710	Deoxy Salmeterol (25 mg)	1391054-40-2	Salmeterol	Salmeterol Xinafoate	\$ 950
1A02600	Sitagliptin Phenylcrotonyl Analog (25 mg)	1253056-18-6	Sitagliptin	Sitagliptin Tablets	\$ 1,200
1A02610	Sitagliptin Styrylacetyl Analog (25 mg)	1803026-58-5	Sitagliptin	Sitagliptin Tablets	\$ 750
1A02620	Sitagliptin (R)-Triazecine Analog (25 mg)	2088771-61-1	Sitagliptin	Sitagliptin Tablets	\$ 1,500
1A02840	Sitagliptin Acid (25 mg)	936630-57-8	Sitagliptin	Sitagliptin Tablets	\$ 900
1A05100	Methyl Dithienyl Glycolate (25 mg) NEW	26447-85-8	Tiotropium Bromide	Tiotropium Bromide	\$ 490
1A05110	Dithienyl Ketone (25 mg) NEW	704-38-1	Tiotropium Bromide	Tiotropium Bromide	\$ 675

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PAIs Referenced in Official USP Monographs

ITEM NO.	PRODUCT NAME	CAS NUMBER	ASSOCIATED API	OFFICIAL USP MONOGRAPHS REFERENCING THE IMPURITY	PRICE
1A00390	Nebramine (10 mg)	34051-04-2	Tobramycin	Tobramycin Inhalation Solution	\$ 790
1A01100	Deoxystreptamine Kanosaminide (25 mg)	20744-51-8	Tobramycin	Tobramycin Inhalation Solution	\$ 3,000
1A01050	6-Methyl-4-phenylchromanol (25 mg)	209747-04-6	Tolterodine Tartrate	Tolterodine Tartrate	\$ 900
1A00750	Tolyloyl Bromopropionamide (25 mg)	836627-56-6	Zolpidem Tartrate	Zolpidem Tartrate Tablets	\$ 770
1A01630	Tolyloyl Propionamide (25 mg)	402470-91-1	Zolpidem Tartrate	Zolpidem Tartrate Tablets	\$ 770
1A01640	Tolyloyl Propionic Acid (25 mg)	4619-20-9	Zolpidem Tartrate	Zolpidem Tartrate Tablets	\$ 770
1A01950	Dimethylacrylamide Toly Ketone (25 mg)	N/A	Zolpidem Tartrate	Zolpidem Tartrate Tablets	\$ 880

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Degradation Products

ITEM NO.	PRODUCT NAME	CAS NUMBER	ASSOCIATED API	THERAPEUTIC AREA	TYPE OF IMPURITY	PRICE
1A00720	Desiodoamiodarone (25 mg)	23551-25-9	Amiodarone	Cardiovascular	Degradant	\$ 800
1A01090	Monoiodoamiodarone (25 mg)	85642-08-6	Amiodarone	Cardiovascular	Degradant	\$ 1,050
1A02390	Mannityl Amlodipine (25 mg)	N/A	Amlodipine	Cardiovascular	Degradant	\$ 600
1A02470	Aripiprazole Acid Analog (25 mg)	58899-27-7	Aripiprazole	Psychiatrics	Degradant	\$ 1,200
1A02520	Aripiprazole N-oxide Isomer (25 mg)	573691-11-9	Aripiprazole	Psychiatrics	Degradant	\$ 1,000
1A00790	Atorvastatin Calcium Epoxy Pyrrolooxazin 7-Hydroxy Analog (25 mg)	N/A	Atorvastatin Calcium	Antihyperlipidemics	Degradant	\$ 3,000
1A00800	Atorvastatin Epoxy Tetrahydrofuran Analog (25 mg)	873950-19-7	Atorvastatin Calcium	Antihyperlipidemics	Degradant	\$ 3,000
1A00810	Atorvastatin Sodium Pyrrolidone Analog (25 mg)	148217-40-7	Atorvastatin Calcium	Antihyperlipidemics	Degradant	\$ 3,000
1A00820	Atorvastatin Pyrrolidone Lactone (25 mg)	906552-19-0	Atorvastatin Calcium	Antihyperlipidemics	Degradant	\$ 3,000
1A00260	Azacitidine Formyl Amidine Analog (25 mg)	65126-88-7	Azacitidine	Oncology	Degradant	\$ 4,050
1A00270	Azacitidine isomer-3 (25 mg)	2775292-15-2	Azacitidine	Oncology	Degradant	\$ 4,500
1A00070	3'-(N,N-Didemethyl)azithromycin (Aminoazithromycin) (25 mg)	612069-27-9	Azithromycin	Antibiotics	Degradant	\$ 882
1A00080	3'-De(dimethylamino)-3'-oxoazithromycin (25 mg)	612069-25-7	Azithromycin	Antibiotics	Degradant	\$ 3,100
1A00210	3'-(N,N-Didemethyl)-3'-N-formylazithromycin (25 mg)	765927-71-7	Azithromycin	Antibiotics	Degradant	\$ 2,364
1A00860	Azithromycin C (3'-O-demethylazithromycin) (25 mg)	620169-47-3	Azithromycin	Antibiotics	Degradant	\$ 3,000
1A00500	Budesonide D-homo Analog (10 mg)	1040085-99-1	Budesonide	Steroids	Degradant	\$ 500
1A00510	Budesonide Acetaldehyde Acetal (25 mg)	1040085-98-0	Budesonide	Steroids	Degradant	\$ 500
1A02010	17alpha-Hydroxy13(17)a-homoprednisolone (25 mg) REDUCED PRICE	N/A	Budesonide	Steroids	Degradant	\$ 640
1A02050	Isotachysterol3 (25 mg)	22350-43-2	Cholecalciferol	Endocrine	Degradant	\$ 1,100
1A00360	Ethylpyrazinediethanol (10 mg) REDUCED PRICE	86917-74-0	Clavulanate Potassium	Antibiotics	Degradant	\$ 1,440
1A00380	Pyrazinediethanol Propionic Acid (5 mg) REDUCED PRICE	96681-85-5 (free acid)	Clavulanate Potassium	Antibiotics	Degradant	\$ 960
1A00450	Pyrazinediethanol (10 mg) REDUCED PRICE	4744-51-8	Clavulanate Potassium	Antibiotics	Degradant	\$ 240
1A01690	Ticlopidine Pyridinium Bromide Analog (25 mg)	2418591-13-4	Clopidogrel Bisulfate	Cardiovascular	Degradant	\$ 1,500
1A01890	Clopidogrel N-Oxide (25 mg)	1319197-71-1	Clopidogrel Bisulfate	Cardiovascular	Degradant	\$ 2,000
1A02100	Clopidogrel Acid N-Oxide (25 mg)	1319197-73-3	Clopidogrel Bisulfate	Cardiovascular	Degradant	\$ 1,200
1A02110	rac-Clopidogrel Acid N-Oxide (25 mg)	N/A	Clopidogrel Bisulfate	Cardiovascular	Degradant	\$ 1,200

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Degradation Products

ITEM NO.	PRODUCT NAME	CAS NUMBER	ASSOCIATED API	THERAPEUTIC AREA	TYPE OF IMPURITY	PRICE
1A02730	21-Desacetyl Deflazacort (25 mg)	13649-57-5	Deflazacort	Steroids	Degradant	\$ 1,000
1A00120	Fluoroandrostadiene Carboxylic Acid (25 mg)	37927-01-8	Dexamethasone	Steroids	Degradant	\$ 600
1A00220	Desoximetasone Acid (25 mg)	75262-69-0	Dexamethasone	Steroids	Degradant	\$ 378
1A00300	Dexamethasone Formate (25 mg)	473273-04-0	Dexamethasone	Steroids	Degradant	\$ 400
1A00470	17-Oxo Dexamethasone (10 mg)	1880-61-1	Dexamethasone	Steroids	Degradant	\$ 400
1A04900	7-Hydroxymethyl Drospirenone (10 mg) NEW	N/A	Drospirenone	Steroids	Degradant	\$ 990
1A04920	7-Chloromethyl 17-Epidrospirenone (25 mg) NEW	932388-89-1	Drospirenone	Steroids	Degradant	\$ 1,725
1A05070	7-Chloromethyl Drospirenone (10 mg) NEW	932388-90-4	Drospirenone	Steroids	Degradant	\$ 550
1A00940	Duloxetine 4-naphthyl Isomer hydrobromide (25 mg)	949096-01-9	Duloxetine	Psychiatrics	Degradant	\$ 880
1A00950	Duloxetine beta-naphthol-1-yl Isomer (25 mg)	1033803-59-6	Duloxetine	Psychiatrics	Degradant	\$ 900
1A01780	Escitalopram Acid Analog (25 mg)	440121-09-5	Escitalopram	Psychiatrics	Degradant	\$ 800
1A00100	6 α -Hydroxy Ethinyl Estradiol (25 mg)	27521-34-2	Ethinyl Estradiol	Steroids	Degradant	\$ 395
1A00110	6 β -Hydroxy Ethinyl Estradiol (25 mg)	56324-28-8	Ethinyl Estradiol	Steroids	Degradant	\$ 925
1A00731	Fexofenadine Olefin (25 mg)	1187954-57-9	Fexofenadine	Antihistamines	Degradant	\$ 900
1A01920	Fexofenadine N-oxide (25 mg)	1422515-52-3	Fexofenadine	Antihistamines	Degradant	\$ 1,200
1A01030	1,2-Dihydro Fluticasone Propionate (25 mg)	105613-90-9	Fluticasone Propionate	Steroids	Degradant	\$ 1,100
1A01800	Lacosamide Acrylamide Analog (25 mg)	86921-49-5	Lacosamide	Psychiatrics	Degradant	\$ 700
1A00160	Decarboxy Levofloxacin (25 mg)	178964-53-9	Levofloxacin	Antibiotics	Degradant	\$ 550
1A00990	Decarboxy Moxifloxacin (25 mg)	1322062-57-6	Moxifloxacin	Antibiotics	Degradant	\$ 500
1A01010	Olanzapine Lactam (25 mg)	1017241-34-7	Olanzapine	Psychiatrics	Degradant	\$ 1,200
1A01020	Olanzapine Thiolactam (25 mg)	1017241-36-9	Olanzapine	Psychiatrics	Degradant	\$ 1,500
1A00060	Desmethoxy Omeprazole (25 mg)	110374-16-8	Omeprazole	Gastrointestinal	Degradant	\$ 457
1A02990	Paroxetine Hydrochloride Piperidinemethanol Analog (25 mg)	220548-73-2	Paroxetine Mesylate	Psychiatrics	Degradant	\$ 750
1A03070	Piperazinedionecarbonyl D-phenylglycylglycine (25 mg)	2170771-47-6	Piperacillin	Antibiotics	Degradant	\$ 1,300
1A02340	Lactosyl Pregabalin Pyrrolidone (25 mg)	466678-44-4	Pregabalin	Psychiatrics	Degradant	\$ 2,000
1A02380	rac-Pregabalin Imide Dimer Amide (25 mg)	1486961-58-3	Pregabalin	Psychiatrics	Degradant	\$ 2,000
1A01170	Rivaroxaban Glycolic Acid Analog (25 mg)	931204-39-6	Rivaroxaban	Anticoagulants & Antiplatelets	Degradant	\$ 880
1A02240	Rivaroxaban Open Oxomorpholine Ring (10 mg) REDUCED PRICE	1160170-00-2	Rivaroxaban	Anticoagulants & Antiplatelets	Degradant	\$ 2,400

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Degradation Products

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1A00050	Rosuvastatin Ketone (25 mg)	1422619-13-3	Rosuvastatin Calcium	Antihyperlipidemics	Degradant	\$ 795
1A02600	Sitagliptin Phenylcrotonyl Analog (25 mg)	1253056-18-6	Sitagliptin	Endocrine	Degradant	\$ 1,200
1A02610	Sitagliptin Styrylacetyl Analog (25 mg)	1803026-58-5	Sitagliptin	Endocrine	Degradant	\$ 750
1A01940	Methoxycyclohexanol Methacrylic Aldehyde (25 mg)	109466-74-2	Tacrolimus	Immunosuppresants	Degradant	\$ 700
1A00040	Hydroxythiadiazol Sulfoxide Derivative (25 mg)	75202-36-7	Timolol	Cardiovascular	Degradant	\$ 600
1A00390	Nebramine (10 mg)	34051-04-2	Tobramycin	Antibiotics	Degradant	\$ 790
1A03360	N-Methyl Varenicline (25 mg)	328055-92-1	Varenicline	Ophthalmology	Degradant	\$ 1,100
1A02130	Desloratadine N-oxide (25 mg)	169253-26-3	Desloratadine	Antihistamines	Degradant (possible Metabolite)	\$ 1,200
1A04460	Apremilast Open Ring 3-acetamide (25 mg)	2096492-41-8	Apremilast	Immunosuppresants	Degradant & Process	\$ 2,600
1A04590	Brexpiprazole N-oxide (25 mg) NEW	1191900-58-9	Brexpiprazole	Psychiatrics	Degradant & Process	\$ 950
1A03350	Methyl Varenicline (25 mg)	1333145-89-3	Varenicline	Ophthalmology	Degradant & Process	\$ 1,900
1A03340	Varenicline Formamide (25 mg)	796865-82-2	Varenicline	Ophthalmology	Degradant & Process (possible Metabolite)	\$ 1,850
1A04470	O-Desmethyl Apremilast (25 mg) NEW	1384441-38-6	Apremilast	Immunosuppresants	Process & Degradant	\$ 1,100

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The PAI catalog is continuously expanding. This list may not represent all PAI products. Please download our [online catalog](#) for the most current list of PAI products.

TYPE OF IMPURITIES DEFINITIONS

- **Degradation Product:** An impurity resulting from a chemical change in the drug substance brought about during manufacturing and/or storage of the drug substance or drug product by the effect of, for example, light, temperature, pH, water, or by reaction with an excipient and/or the immediate container-closure system.
- **Process Impurity:** An impurity arises during the manufacturing process of drug substance and/or drug product.
- **Intermediate:** The chemical compound which is in the process of becoming an API from a raw material.
- **Metabolite:** By-products formed in the body after ingesting drug products. Primary metabolites are formed directly from the parental drug. The reactions include oxidation, reduction & hydrolysis.

There may be additional drug substances and drug products in official USP monographs that may reference the impurity. Visit www.uspnf.com to identify drug substances and products that have official USP monographs and/or draft monographs in Pharmacopeial Forum (PF). PAI products are not required for compendial compliance. Draft monographs in PF are not official and may never become official.

The type of impurity categorization is provisory and is provided for informational purposes only. The categorizations are NOT part of any official USP standard. This information is subject to change and USP may add to or update this information at any time. Category type definitions in this catalog are NOT part of any official USP standard and are provided for informational purposes only.