

Reference Standards Tables

Below are several tables with the latest Reference Standard information including out-of-stock items now available; new Reference Standards released in the last month; backordered items with estimated availability dates; items with lots that are no longer valid (or soon will be invalid); and items with new lots since the last newsletter. USP strongly suggest downloading the FREE Reference Standards and Resources APP to easily track and receive notifications and alerts for the Reference Standards of interest to you. Please contact your USP Customer Service Representative to place an order at +1-301-881-0666 or 1-800-227-8772. European customers can call 00-800-4875-5555. You can also order online at <http://www.usp.org/products>

[New Reference Standards Now Available](#)

[Items With Replacement Lots](#)

[Backorder Availability Report As of March 5, 2018](#)

[Previously Out-of-Stock Items Now Available](#)

[No Longer Valid as of March 2019](#)

New Reference Standards Now Available

Catalog	Description	Current Lot	Start Date	Unit Price
1302134	Guanidine Hydrochloride (100 mg)	F07520	7-Feb-19	\$350.00
1370881	Lycopene Preparation (500 mg)	F099Y0	21-Feb-19	\$995.00
1458064	Neodiosmin (30 mg) (5-Hydroxy-2-(3-hydroxy-4-methoxyphenyl)-4-oxo-4H-chromen-7-yl 2-O-(alpha-L-rhamnopyranosyl)-beta-Dglucopyranoside)	F097P0	7-Feb-19	\$375.00
1457695	Negundoside (50 mg) ((1S,4aS,7S,7aS)-1,4a,5,6,7,7a-Hexahydro-7-hydroxy-1-[[2-O-(4-hydroxybenzoyl)-beta-D- glucopyranosyl]	F07920	12-Feb-19	\$300.00
1458086	Neohesperidin Dihydrochalcone (500 mg) (3,5-Dihydroxy-4-[3-(3-hydroxy-4-methoxyphenyl)propanoyl]phenyl 2-O-(alpha-L-rhamnopyranosyl)-Beta-D-glucopyranoside)	F097F0	7-Feb-19	\$325.00
1380568	Memantine Related Compound F (50 mg) (3-Amino-5,7-dimethyladamantan-1-ol hydrochloride)	F105W0	14-Feb-19	\$750.00

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Items with Replacement Lots

Catalog	Description	Current Lot	Previous Lot (Valid Use Date)	Tran Date#	Price
1000612	Acebutolol Related Compound A (20 mg) (N-(3-Acetyl-4-hydroxyphenyl)butyramide)	R113R0	F1G041 (30-Nov-19)	12-Feb-19	\$775.00
1000818	Abiraterone Acetate (200 mg)	R078C0	F029L0 (29-Feb-20)	12-Feb-19	\$965.00
1074007	Bisacodyl (125 mg)	R098Y0	J0G408 (29-Feb-20)	7-Mar-19	\$200.00
1086403	Calcium Carbonate (1 g)	R094J0	R030A0 (31-Jan-20)	26-Feb-19	\$245.00
1140430	Clopidogrel Bisulfate (125 mg)	R095G0	R018J0 (29-Feb-20)	5-Mar-19	\$1,090.00
1162126	5'-Cytidylic Acid (500 mg)	R108H0	F0J209 (31-Dec-19)	7-Mar-19	\$235.00
1181302	Dextrose (500 mg)	R09500	R035J0 (29-Feb-20)	12-Feb-19	\$290.00
1199002	Digitoxin (200 mg)	R09820	N0I195 (31-Jan-20)	12-Feb-19	\$245.00
1225533	Doxepin Related Compound C (25 mg) ((E,Z)-3-(Dibenzo[b,e]oxepin-11(6H)-ylidene)-N-methylpropan-1-amine hydrochloride)	R110U0	G0J309 (29-Feb-20)	28-Feb-19	\$775.00
1234103	Efavirenz (200 mg)	R09740	R038U0 (30-Nov-19)	12-Feb-19	\$595.00
1237000	Epinephrine Bitartrate (200 mg)	R093E0	P2L152 (31-Jan-20)	14-Feb-19	\$245.00
1269447	Fenofibrate (200 mg)	R096N0	R002C0 (29-Feb-20)	12-Feb-19	\$245.00
1274630	Flunixin Related Compound B (25 mg) (2-Methyl-3-(trifluoromethyl)aniline)	R108S0	F0M470 (31-Mar-20)	12-Feb-19	\$775.00
1297205	Goserelin Acetate (100 mg) (COLD SHIPMENT REQUIRED)	R102C0	F0H104 (30-Nov-19)	7-Mar-19	\$815.00
1298004	Gramicidin (200 mg)	R091H0	J0M340 (31-Oct-19)	14-Feb-19	\$250.00

1354900	Kaempferol (15 mg) (3,5,7-Trihydroxy-2-(4-hydroxyphenyl)-4H-chromen-4-one)	R12200	R06120 (29-Feb-20)	5-Mar-19	\$240.00
1372005	L-Lysine Hydrochloride (200 mg)	R08330	R027F0 (31-Mar-20)	5-Mar-19	\$290.00
1374601	Malic Acid (500 mg)	R013S0	R00651 (31-Jan-20)	26-Feb-19	\$280.00
1392807	Mesna (200 mg)	F1H331	F0H331 (29-Feb-20)	5-Mar-19	\$245.00
1441301	Metoprolol Tartrate (200 mg)	R091M0	I1L303 (29-Feb-20)	18-Feb-19	\$245.00
1445404	Modafinil CIV (200 mg)	G1L085	G0L085 (30-Sep-19)	12-Feb-19	\$395.00
1445448	Mogroside V (100 mg)	R11330	F0L170 (29-Feb-20)	19-Feb-19	\$630.00
1471914	Norgestimate (200 mg)	G1J236	G0J236 (31-Dec-19)	7-Mar-19	\$245.00
1500557	Peanut Oil (1 g)	R101S0	G0L403 (31-Jan-20)	4-Mar-19	\$265.00
1510051	Pepsin for Assay (5 x 1 g) (COLD SHIPMENT REQUIRED)	F1M228	F0M228 (31-Aug-19)	7-Feb-19	\$235.00
1602502	Retinyl Palmitate (4 x 50 mg)	R090Q0	R020B0 (29-Feb-20)	7-Mar-19	\$250.00
1643452	Terazosin Hydrochloride (200 mg)	R111C0	G0F290 (31-Jan-20)	5-Mar-19	\$245.00
1643962	Teriparatide (1 mg) (COLD SHIPMENT REQUIRED)	R08070	F015Q0 (30-Nov-19)	18-Feb-19	\$855.00
1672756	Tranexamic Acid Related Compound C (15 mg) ((RS)-4-(Aminomethyl)cyclohex-1-enecarboxylic acid hydrochloride)	R110W0	R037N0 (31-Jan-20)	7-Mar-19	\$870.00
1712023	Vigabatrin Related Compound B (30 mg) ((E)-2-(2-aminoethyl)but-2-enoic acid hydrochloride)	R112T0	F0L109 (31-Jul-19)	5-Mar-19	\$835.00
1720429	Xylazine Hydrochloride (200 mg)	R10670	G0M323 (31-Jan-20)	7-Mar-19	\$245.00

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Backorder Availability As of March 5, 2019

Catalogue	Description	Estimated Availability
1000829	Abiraterone System Suitability Mixture (20 mg)	Q1
1040854	Apocarotenal (3 x 50 mg) (Beta-Apo-8'-Carotenal)	Q2
1042420	Argatroban Related Compound B (20 mg) (Ethyl (4R)-1-[N ⁸ -nitro-L-arginyl]-4-methylpiperidine-2-carboxylate dihydrochloride)	Q2
1044403	Atenolol (200 mg)	Q1
1065480	Beta Carotene (7 x 100 mg) (COLD SHIPMENT REQUIRED)	Q2
1067307	Betamethasone Benzoate (200 mg)	Q2
1074007	Bisacodyl (125 mg)	Q1
1086141	Calcipotriene (200 mg)	Q2
1116774	Chlorophyll A (15 mg)	Q2
1134380	Clarithromycin Related Compound A (25 mg) (6,11-di-O-methylerythromycin A)	Q2
1148001	Colistin Sulfate (200 mg)	Q1
1157046	Cyclophosphamide Related Compound D (25 mg) (3-[2-(2-chloroethylamino)ethylamino]propyl dihydrogen phosphate dihydrochloride)	Q2
1162126	5'-Cytidylic Acid (500 mg)	Q1
1179118	Dexketoprofen Tromethamine (200 mg)	Q2
1242000	Erythromycin (250 mg)	Q2
1270435	Filgrastim (0.98 mg) (COLD SHIPMENT REQUIRED)	Q4
1271008	Floxuridine (250 mg)	Q2
1288339	Ganciclovir Mono-N-methyl Valinate (10 mg) (2-(RS)-[(guanin-9-yl)methoxy]-3-hydroxypropyl N-methyl-L-valinate hydrochloride)	Q1
1296086	Glycopyrrolate Related Compound I (15 mg) ((RS)-3-[(SR)-2-(4-Chlorophenyl)-2-cyclopentyl-2-hydroxyacetoxy]-1,1-dimethylpyrrolidin-1-ium bromide)	Q2
1297205	Goserelin Acetate (100 mg) (COLD SHIPMENT REQUIRED)	Q2
1297216	Goserelin Related Compound A (2 mg) (4-D-Serine Goserelin) (COLD SHIPMENT REQUIRED)	Q2
1297250	Goserelin System Suitability Mixture (1.0 mg) (COLD SHIPMENT REQUIRED)	Q1
1325005	Hydroxyamphetamine Hydrobromide (200 mg)	TBD
1329913	5-Hydroxy-L-tryptophan (100 mg)	Q2
1334006	Hydroxyzine Pamoate (500 mg)	Q1
1345104	loversol (200 mg)	Q1
1356880	Lanolin (20 g)	Q1
1356949	Lauric Acid (500 mg)	Q2
1365021	Levothyroxine for Peak Identification (15 mg) (levothyroxine sodium spiked with liothyronine,	Q2

	triiodothyroacetic acid, tetraiodothyroacetic acid)	
1367708	Linoleoyl Polyoxylglycerides (100 mg)	Q2
1380524	Memantine Related Compound B (15 mg) (3,5-Dimethyladamantane-1-ol)	Q1
1414058	Methotrexate Related Compound E (50 mg) (4-{{(2,4-Diaminopteridin-6-yl)methyl}(methyl)amino}benzoic acid, hemihydrochloride)	Q2
1471914	Norgestimate (200 mg)	Q2
1472000	Norgestrel (125 mg)	Q2
1483301	Oxfendazole (200 mg)	Q1
1492255	Palonosetron Related Compound D (15 mg) ((3aR)-2-[(3S)-Quinuclidin-3-yl]-2,3,3a,4,5,6-hexahydro-1H-benzo[de]isoquinolin-1-one hydrochloride)	Q2
1494910	Pantoprazole Related Compound B (25 mg) (5-(difluoromethoxy)-2-[[[3,4-dimethoxy-2-pyridinyl)methyl]thio]-1H-benzimidazole)	Q1
1499414	Paricalcitol Solution (3 mL) (COLD SHIPMENT REQUIRED)	Q2
1535507	Phenytoin Sodium (200 mg)	Q2
1535755	Phosphatidylcholine (Soy) (50 mg) (INTERNATIONAL COLD CHAIN SHIPMENT REQUIRED)	Q1
1544508	Piroxicam (125 mg)	Q2
1584105	Pyrantel Tartrate (200 mg)	Q1
1598019	Rabeprazole Sodium (200 mg) (Sodium 2-[(R)-[[4-(3-methoxypropoxy)-3-methylpyridin-2-yl)methyl]sulfinyl]benzimidazol-1-ide hydrate)	Q2
1602502	Retinyl Palmitate (4 x 50 mg)	Q1
1610001	Scopolamine Hydrobromide (500 mg)	Q2
1633007	Sulfanilamide Melting Point Standard (1 g) (Approximately 165 degrees)	Q2
1672756	Tranexamic Acid Related Compound C (15 mg) ((RS)-4-(aminomethyl)cyclohex-1-enecarboxylic acid)	Q1
1689001	Trimeprazine Tartrate (200 mg)	Q2
1709007	Vancomycin Hydrochloride (4 vials, each vial contains 98,800 mcg of vancomycin activity)	Q2
1711177	Vecuronium Bromide Related Compound B (15 mg) (Piperidinium, 1-[(2beta, 3alpha, 5alpha, 16beta, 17beta)-3-acetyloxy-17-hydroxy-2-(1-piperidinyl)androstan-16-yl]-1-methyl bromide)	Q2

*Dates are targets and may change at any time. Q1January—March, Q2 April –June, Q3- July – September, Q4- October –December

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Previously Out of Stock Items Now Available

Catalog	Description	Lot	Price
1000612	Acebutolol Related Compound A (20 mg) (N-(3-Acetyl-4-hydroxyphenyl)butyramide)	R113R0	\$775
1000818	Abiraterone Acetate (200 mg)	R078C0	\$965
1044403	Atenolol (200 mg)	R101E0	\$245
1074007	Bisacodyl (125 mg)	R098Y0	\$200
1086403	Calcium Carbonate (1 g)	R094J0	\$245
1134380	Clarithromycin Related Compound A (25 mg) (6,11-di-O-methylerythromycin A)	R114R0	\$775
1162126	5'-Cytidylic Acid (500 mg)	R108H0	\$235
1199002	Digitoxin (200 mg)	R09820	\$245
1225533	Doxepin Related Compound C (25 mg) ((E,Z)-3-(Dibenzo[b,e]oxepin-11(6H)-ylidene)-N-methylpropan-1-amine hydrochloride)	R110U0	\$775
1234103	Efavirenz (200 mg)	R09740	\$595
1237000	Epinephrine Bitartrate (200 mg)	R093E0	\$245
1270355	Ferrous Sulfate (2 x 1 g)	R114K0	\$245
1288339	Ganciclovir Mono-N-methyl Valinate (10 mg) (2-(RS)-[(guanin-9-yl)methoxy]-3-hydroxypropyl N-methyl-L-valinate hydrochloride)	R112N0	\$775
1297205	Goserelin Acetate (100 mg) (COLD SHIPMENT REQUIRED)	R102C0	\$815
1297250	Goserelin System Suitability Mixture (1.075 mg) (COLD SHIPMENT REQUIRED)	R114F0	\$ 730
1298004	Gramicidin (200 mg)	R091H0	\$250
1354900	Kaempferol (15 mg) (3,5,7-Trihydroxy-2-(4-hydroxyphenyl)-4H-chromen-4-one)	R12200	\$240
1374601	Malic Acid (500 mg)	R013S0	\$280
1445404	Modafinil CIV (200 mg)	G1L085	\$395
1445448	Mogroside V (100 mg)	R11330	\$630
1471914	Norgestimate (200 mg)	G1J236	\$245
1494910	Pantoprazole Related Compound B (25 mg) (5-(difluoromethoxy)-2-[[[3,4-dimethoxy-2-pyridinyl)methyl]thio]-1H-benzimidazole)	R103F0	\$835
1500557	Peanut Oil (1 g)	R101S0	\$265
1510051	Pepsin for Assay (5 x 1 g) (COLD SHIPMENT REQUIRED)	F1M228	\$235
1548167	Potassium Carbonate (1 g)	R096G0	\$245
1584105	Pyrantel Tartrate (200 mg)	F1L575	\$245

1602502	Retinyl Palmitate (4 x 50 mg)	R090Q0	\$250
1643452	Terazosin Hydrochloride (200 mg)	R111C0	\$245
1643962	Teriparatide (1 mg) (COLD SHIPMENT REQUIRED)	R08070	\$855
1672756	Tranexamic Acid Related Compound C (15 mg) ((RS)-4-(Aminomethyl)cyclohex-1-enecarboxylic acid hydrochloride)	R110W0	\$870
1712023	Vigabatrin Related Compound B (30 mg) ((E)-2-(2-aminoethyl)but-2-enoic acid hydrochloride)	R112T0	\$835
1720429	Xylazine Hydrochloride (200 mg)	R10670	\$245

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Items with New Package Size or New Description

Catalog	Description	Lot	Old Size	New Size
N/A	N/A	N/A	N/A	N/A

Reference Lots that are No Longer Valid (VUD)

This table lists previous RS lots that are (or will soon be) no longer valid for official use. If you still have any of these materials on hand, do not use them for compendial testing purposes after the last day of the month for the valid use dates listed. To test products, always be sure you use a current, valid lot of USP RS. Current lot numbers and valid use dates for previous lots are available in the USP Store online [here](#), and by downloading the free Reference Standards and Resources App

Catalog	Description	Current Lot	Previous Lot	Price
1570428	2-Propanol (1.2 mL/ampule; 3 ampules)	R048P0	I0L393(31-Mar-19)	\$245.00
1004001	Acetanilide Melting Point Standard (1g) (Approximately 114 degrees)	M2M285	M1M285(31-Mar-19)	\$165.00
1013035	Allopurinol Related Compound C (25 mg) (5-(4H-1,2,4-triazol-4-yl)-1H-pyrazole-4-carboxamide)	R00781	R00780(31-Mar-19)	\$775.00
1032007	Amphotericin B (125 mg) (COLD SHIPMENT REQUIRED)	R087G0	K1M387(31-Mar-19)	\$205.00
1032007	Amphotericin B (125 mg) (COLD SHIPMENT REQUIRED)	R087G0	K1M387(31-Mar-19)	\$205.00
1032007	Amphotericin B (125 mg) (COLD SHIPMENT REQUIRED)	R087G0	K1M387(31-Mar-19)	\$205.00
1040708	Apigenin-7-glucoside (30 mg)	R080Q0	R03170(31-Mar-19)	\$625.00

1379081	Calcium D,L-5-Methyltetrahydrofolate (300 mg)	R078T0	F0M040(31-Mar-19)	\$250.00
1098504	Celecoxib (200 mg)	R081P0	G0M441(31-Mar-19)	\$245.00
1134029	Ciclopirox Related Compound A (25 mg) (3-Cyclohexyl-4,5-dihydro-5-methyl-5-isoxazolyl acetic acid)	R08700	H0L577(31-Mar-19)	\$835.00
1134153	Cilostazol (200 mg)	R069T0	G0M316(31-Mar-19)	\$610.00
1134379	Clarithromycin (100 mg)	R07810	H0H380(31-Mar-19)	\$245.00
1145207	Cod Liver Oil (1 g)	R091A0	F0D400(31-Mar-19)	\$215.00
1157002	Cyclophosphamide (500 mg)	R095Y0	R075X0(31-Mar-19)	\$200.00
1023403	Diazepam Related Compound B (25 mg) (3-Amino-6-chloro-1-methyl-4-phenylcarbostyryl)	R078K0	R01830(31-Mar-19)	\$835.00
1225500	Doxepin Hydrochloride (500 mg)	R080R0	J0M472(31-Mar-19)	\$245.00
1284000	Flurandrenolide (100 mg)	R07080	J0M002(31-Mar-19)	\$245.00
1286005	Folic Acid (500 mg) (Vitamin M or Vitamin Bc)	R056H0	Q0G151(31-Mar-19)	\$250.00
1289003	Gentamicin Sulfate (200 mg)	R084Q0	M1J001(31-Mar-19)	\$240.00
1289003	Gentamicin Sulfate (200 mg)	R084Q0	M1J001(31-Mar-19)	\$240.00
1289003	Gentamicin Sulfate (200 mg)	R084Q0	M1J001(31-Mar-19)	\$240.00
1304209	Heptane (1.2 mL/ampule; 3 ampules)	R052R0	G0K397(31-Mar-19)	\$245.00
1321004	Hydrocortisone Valerate (200 mg)	R072N0	R024Y0(31-Mar-19)	\$245.00
1338801	Indapamide (500 mg)	R079H0	H2M026(31-Mar-19)	\$245.00
1340960	Inositol (500 mg)	R056F0	G0M192(31-Mar-19)	\$265.00
1347507	Ipratropium Bromide (200 mg)	R081K0	R022A0(31-Mar-19)	\$245.00
1349626	Isomalt (200 mg)	R05510	R01880(31-Mar-19)	\$265.00
1568506	L-Proline (200 mg)	R078D0	H0M298(31-Mar-19)	\$290.00
1705006	L-Tyrosine (500 mg)	R08390	L0L199(31-Mar-19)	\$250.00
1705006	L-Tyrosine (500 mg)	R08390	L0L199(31-Mar-19)	\$250.00
1705006	L-Tyrosine (500 mg)	R08390	L0L199(31-Mar-19)	\$250.00
1358503	Leuprolide Acetate (1.97 mg) (INTERNATIONAL COLD CHAIN SHIPMENT REQUIRED)	R060Y0	I0M442(31-Mar-19)	\$950.00
1358503	Leuprolide Acetate (1.97 mg) (INTERNATIONAL COLD CHAIN SHIPMENT REQUIRED)	R060Y0	I0M442(31-Mar-19)	\$950.00
1358503	Leuprolide Acetate (1.97 mg) (INTERNATIONAL COLD CHAIN SHIPMENT REQUIRED)	R060Y0	I0M442(31-Mar-19)	\$950.00
1370065	Loperamide Related Compound F (25 mg) (1r,4s)-4-(4-Chlorophenyl)-1-[4-(dimethylamino)-4-oxo-3,3-diphenylbutyl]-4-hydroxypiperidine 1-oxide hydrate)	R089C0	F017R0(31-Mar-19)	\$835.00
1380546	Memantine Related Compound D (50 mg) (1-Bromo-3,5-dimethyladamantane)	R03271	R03270(31-Mar-19)	\$835.00

1396400	Methacrylic Acid and Methyl Methacrylate Copolymer (1:1) (200 mg) (Methacrylic Acid Copolymer Type A)	R108V0	R008V0(31-Mar-19)	\$275.00
1414036	Methotrexate Related Compound C (50 mg) ((S)-2-(4-[[2-amino-4-oxo-1,4-dihydropteridin-6-yl)methyl](methyl)amino}benzamido)pentanedioic acid)	R083F0	R01910(31-Mar-19)	\$835.00
1430305	Methyl Laurate (5 x 100 mg)	R061V0	I0M156(31-Mar-19)	\$220.00
1438001	Methyltestosterone CIII (250 mg)	K3M353	K0M353(31-Mar-19)	\$325.00
1465004	Nitrofurazone (200 mg)	R085G0	J1J292(31-Mar-19)	\$245.00
1494942	Pantoprazole Related Compound E (20 mg) (6,6'-bis(difluoromethoxy)-2,2'-bis[[3,4-dimethoxypyridin-2-yl)methyl]sulfinyl]-1H,1'H-5,5'-bibenzimidazolyl)	R087A0	R018U0(31-Mar-19)	\$775.00
1522301	Pheniramine Maleate (150 mg)	R08210	R020N0(31-Mar-19)	\$245.00
1530004	Phentolamine Mesylate (200 mg)	R087H0	I(31-Mar-19)	\$245.00
1604665	Risperidone System Suitability Mixture (10 mg)	R069V0	F0G225(31-Mar-19)	\$775.00
1626001	Sulfadimethoxine (200 mg)	R08980	H1K048(31-Mar-19)	\$245.00
1643361	Taurine (100 mg)	R077A0	R006V1(31-Mar-19)	\$210.00
1643383	Tazobactam (200 mg)	R080X0	H0M200(31-Mar-19)	\$265.00
1643437	Telmisartan Related Compound B (15 mg) (4'-[[1,7'-dimethyl-2'-propyl-1H,1'H-2,5'-bibenzo[d]imidazol-1'-yl)methyl]biphenyl-2-carboxylic acid)	R067D0	H0M142(31-Mar-19)	\$775.00
1653004	Theophylline (200 mg)	R084X0	J1H052(31-Mar-19)	\$245.00
1667369	Timolol Related Compound D (20 mg) (4-Morpholino-1,2,5-thiadiazol-3-ol)	R071X0	F000T0(31-Mar-19)	\$775.00
1711100	Vasopressin (1.68 mg) (8-L-arginine vasopressin) (COLD SHIPMENT REQUIRED)	R09120	H0L444(31-Mar-19)	\$310.00
1711100	Vasopressin (1.68 mg) (8-L-arginine vasopressin) (COLD SHIPMENT REQUIRED)	R09120	H0L444(31-Mar-19)	\$310.00
1711100	Vasopressin (1.68 mg) (8-L-arginine vasopressin) (COLD SHIPMENT REQUIRED)	R09120	H0L444(31-Mar-19)	\$310.00

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