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Schircks Laboratories

Pteridine Price List

Listed by product number

(Pteridines for laboratory use only)

Our **price lists are not changed annually** but are valid from the date noted until further notice.

Additional charges: Prices do not include local taxes or custom duties.

Schircks Laboratories pays shipping costs for products sent by normal airmail for all orders over USD 600.00. For orders less than USD 600.00 an additional USD 40.00 is charged.

Courier charges (UPS, FedEx) are paid by Schircks Laboratories for orders over USD 3,500.00. Please see our Ordering Guidelines.

Product number	Product	MW (ref 3)	Ref. (see last page)	5g USD	1g USD	100mg USD	50mg USD	10mg USD
11.180	6-(L-1,2,3-Trihydroxybutyl)-pterin [Rhamnopterin]	267.2				161.00	105.00	
11.182	(6R,S)-5,6,7,8-Tetrahydro-L-rhamnopterin dihydrochloride	344.2	1			245.00	161.00	60.00
11.203	L-Biopterin [L-erythro-Biopterin]	237.2	2	872.00	262.00	59.00		
11.206	7,8-Dihydro-L-biopterin	239.2	2	2619.00	710.00	127.00	81.00	
11.209	(6R,S)-5,6,7,8-Tetrahydro-L-biopterin dihydrochloride	314.2	1, 2, 4	1068.00	299.00	87.00		
11.212	(6R)-5,6,7,8-Tetrahydro-L-biopterin dihydrochloride	314.2	1, 2, 4	1148.00	347.00	121.00		
11.214	(6R)-5,6,7,8-Tetrahydro-L-biopterin dihydrochloride, contains up to 2.0% sodium chloride has been discontinued	314.2	1, 2, 4	525.00	186.00	87.00		
11.215	(6S)-5,6,7,8-Tetrahydro-L-biopterin sulfate	339.3	1, 2	4875.00	1625.00	407.00		101.00
11.217	(6R)-5-Methyl-5,6,7,8-tetrahydro-L-biopterin dihydrochloride	328.2				312.00	202.00	77.00
11.218	D-Biopterin [D-erythro-Biopterin]	237.2	2			997.00	554.00	163.00
11.220	(6R,S)-5,6,7,8-Tetrahydro-D-biopterin dihydrochloride	314.2	1			595.00	335.00	112.00
11.221	D-threo-Biopterin [Dictyopterin]	237.2				524.00	292.00	87.00
11.223	(6R,S)-5,6,7,8-Tetrahydro-D-threo-biopterin dihydrochloride	314.2	1, 5			623.00	351.00	118.00
11.225	L-Sepiapterin has been discontinued	237.2	2		4810.00	668.00	389.00	116.00
11.228	Deoxysepiapterin	221.2				707.00	422.00	124.00
11.229	6-((1R,S)-Hydroxypropyl)pterin [(1'R,S)-2'-Deoxybiopterin]	221.2				942.00	518.00	179.00
11.231	7-Biopterin has been discontinued	237.2	6			1076.00	608.00	199.00
11.234	7-Tetrahydro-L-biopterin dihydrochloride	314.2	1, 7			1370.00	752.00	262.00
11.260	Oncopterin	354.4	8					

Product number	Product	MW (ref 3)	Ref. (see last page)	5g USD	1g USD	100mg USD	50mg USD	10mg USD
11.270	4-Hydroxy-6-(L-erythro-1,2-dihydroxy-propyl)-2-(methylthio)pteridine	268.3			4261.00	608.00	367.00	99.00
11.280	4-Amino-L-biopterin [2,4-Diamino-6-(L-erythro-1',2'-dihydroxypropyl)pteridine]	236.2				359.00	204.00	69.00
11.281	4-Amino-7,8-dihydro-L-biopterin has been discontinued	238.2	1			1076.00	607.00	204.00
11.282	4-Amino-(6R,S)-5,6,7,8-tetrahydro-L-biopterin dihydrochloride	313.2	1			538.00	304.00	100.00
11.283	4-Amino-(6R)-5,6,7,8-tetrahydro-L-biopterin dihydrochloride	313.2	1				2118.00	707.00
11.303	D-Neopterin [D-erythro-Neopterin]	253.2	2	2073.00	572.00	100.00		
11.306	7,8-Dihydro-D-neopterin has been discontinued	255.2	2		1271.00	253.00	160.00	44.00
11.307	7,8-Dihydro-D-neopterin-3'-triphosphate <i>(Please refer to our reference 8)</i>		8					
11.309	(6R,S)-5,6,7,8-Tetrahydro-D-neopterin dihydrochloride	330.2	1		666.00	160.00		
11.314	D-Neopterin-3'-monophosphate, lithium salt	345.1				499.00	298.00	115.00
11.315	7,8-Dihydro-D-neopterin-3'-monophosphate, lithium salt has been discontinued	347.1	1,9			753.00	447.00	131.00
11.320	3'-Hydroxy-D-sepiapterin	253.2				804.00	473.00	143.00
11.325	L-Neopterin has been discontinued	253.2	2			240.00	159.00	60.00
11.330	7-Neopterin	253.2	10			736.00	439.00	128.00
11.340	L-Monapterin [L-threo-Neopterin]	253.2			858.00	151.00	100.00	
11.345	7,8-Dihydro-L-monapterin	255.2				361.00	221.00	73.00
11.346	(6R,S)-5,6,7,8-Tetrahydro-L-monapterin dihydrochloride	330.2	1			248.00	161.00	
11.349	D-Monapterin [D-threo-Neopterin]	253.2				170.00	106.00	
11.350	7,8-Dihydro-D-monapterin has been discontinued	255.2	1			278.00	173.00	58.00
11.351	(6R,S)-5,6,7,8-Tetrahydro-D-monapterin dihydrochloride has been discontinued	330.2	1			248.00	161.00	
11.403	Pterin-6-carboxylic acid	207.1	2		573.00	95.00		
11.409	Pterin-7-carboxylic acid	207.1			797.00	160.00	106.00	
11.415	6-Formylpterin [Pterin-6-aldehyde]	191.1			1235.00	225.00	144.00	
11.416	6-Formyl-7,8-dihydropterin	193.2				1465.00	864.00	289.00
11.418	Acetyl-6-formylpterin	233.2	2		1615.00	275.00	173.00	60.00
11.420	6-Hydroxymethylpterin	193.2	2		1641.00	269.00	170.00	60.00
11.421	6-Hydroxymethyl-7,8-dihydropterin hydrochloride	231.6	1,2		1998.00	404.00	259.00	91.00
11.422	6-Hydroxymethyl-7,8-dihydropterin-diphosphate <i>(Please refer to our reference 8)</i>		8					
11.423	(6R,S)-6-Hydroxymethyl-5,6,7,8-tetrahydropterin dihydrochloride	270.1	1,2			486.00	277.00	95.00
11.429	6-Hydroxymethylpterin-monophosphate	273.1	12			598.00	382.00	104.00
11.438	6-Hydroxymethylpterin-diphosphate, lithium salt	370.9	2,9,12			1343.00	762.00	217.00
11.480	6-Methylpterin	177.2			643.00	116.00	69.00	
11.481	6-Methyl-7,8-dihydropterin hydrochloride	215.6				258.00	161.00	
11.483	(6R,S)-6-Methyl-5,6,7,8-tetrahydropterin dihydrochloride	254.1	1	3480.00	933.00	159.00		
11.503	6,7-Dimethylpterin	191.2			69.00	20.00		
11.506	6,7-Dimethyl-7,8-dihydropterin monohydrochloride	229.7				215.00	135.00	
11.509	6,7-Dimethyl-5,6,7,8-tetrahydropterin monohydrochloride	231.7		1454.00	393.00	83.00		

Product number	Product	MW (ref 3)	Ref. (see last page)	5g USD	1g USD	100mg USD	50mg USD	10mg USD
11.703	Leucopterin	195.1			148.00	29.00		
11.713	Xanthopterin	179.1			355.00	56.00		
11.716	Dihydroxanthopterin	181.2	has been discontinued			160.00	106.00	
11.723	Isoxanthopterin	179.1			607.00	83.00	53.00	
11.903	Pterin	163.1	2	530.00	148.00	40.00		
11.906	7,8-Dihydropterin		<i>(Please refer to our reference 20)</i> 20					
11.909	5,6,7,8-Tetrahydropterin dihydrochloride	240.1	1		520.00	116.00		
13.103	Lumazine	164.1	has been discontinued		148.00	29.00		
13.203	6-Hydroxylumazine	180.1				143.00	89.00	
13.206	6-Hydroxy-7,8-dihydrolumazine	182.1				217.00	136.00	
13.220	7-Hydroxylumazine	180.1			1176.00	196.00	116.00	
16.113	Pteric acid	312.3	2		1208.00	148.00	99.00	
16.114	7,8-Dihydropteroic acid	314.3	has been discontinued 1, 2			289.00	181.00	98.00
16.123	N10-(Trifluoroacetyl)pteroic acid	408.3			1694.00	215.00	124.00	
16.140	10-Formylpteroic acid	340.3				378.00	232.00	69.00
16.203	Folic acid	441.4	12	20.00				
16.206	7,8-Dihydrofolic acid	443.4	has been discontinued 1, 2		1005.00	170.00	99.00	
16.207	(6S)-5,6,7,8-Tetrahydrofolic acid	445.4	has been discontinued 1, 2, 13		616.00	205.00		
16.208	(6S)-5,6,7,8-Tetrahydrofolic acid trihydrochloride	554.8	has been discontinued 1, 2, 13		824.00	207.00		
16.209	(6R,S)-5,6,7,8-Tetrahydrofolic acid trihydrochloride	554.8	1, 2, 13		619.00	145.00		
16.211	10-Methylfolic acid	455.4				178.00	114.00	
16.215	10-Formylfolic acid	469.4	12, 19	865.00	269.00	61.00		
16.217	10-Formyl-5,6,7,8-tetrahydrofolic acid		<i>(Please refer to our reference 19)</i> 19					
16.220	(6R,S)-5-Formyl-5,6,7,8-tetrahydrofolic acid, calcium salt	511.5	has been discontinued 2, 12, 14	204.00	65.00			
16.221	(6S)-5-Formyl-5,6,7,8-tetrahydrofolic acid, calcium salt (natural calcium folinate)	511.5	has been discontinued 2, 12	507.00	155.00	42.00		
16.222	(6R)-5-Formyl-5,6,7,8-tetrahydrofolic acid, calcium salt (unnatural calcium folinate)	511.5	2, 12		1105.00	158.00	89.00	
16.226	(6R,S)-5,10-Methylene-5,6,7,8-tetrahydrofolic acid, calcium salt	495.5	has been discontinued 1, 2, 12		537.00	135.00	77.00	
16.230	(6R,S)-5,10-Methenyl-5,6,7,8-tetrahydrofolic acid chloride	491.9			720.00	105.00	70.00	
16.233	(6R,S)-5-Methyl-5,6-dihydrofolic acid, ammonium salt	492.5	12			410.00	250.00	74.00
16.235	(6R,S)-5-Methyl-5,6,7,8-tetrahydrofolic acid, calcium salt	497.5	2, 12	1383.00	460.00	90.00	55.00	
16.236	(6S)-5-Methyl-5,6,7,8-tetrahydrofolic acid, calcium salt	497.5	has been discontinued 1, 2, 12	1786.00	595.00	119.00	71.00	
16.242	(6R,S)-5-Methyl-5,6,7,8-tetrahydropteroyldi- γ -L-glutamic acid trihydrochloride	698.0	has been discontinued 21					495.00
16.243	(6R,S)-5-Methyl-5,6,7,8-tetrahydropteroyltri- γ -L-glutamic acid trihydrochloride	827.1	has been discontinued 21					611.00

Product number	Product	MW (ref 3)	Ref. (see last page)	5g USD	1g USD	100mg USD	50mg USD	10mg USD
16.244	(6R,S)-5-Methyl-5,6,7,8-tetrahydropteroyltetra- γ -L-glutamic acid trihydrochloride has been discontinued	956.2	21					840.00
16.245	(6R,S)-5-Methyl-5,6,7,8-tetrahydropteroylpenta- γ -L-glutamic acid trihydrochloride has been discontinued	1085.3						975.00
16.252	Pteroyldi- γ -L-glutamic acid has been discontinued	570.5	2, 12			1130.00	638.00	198.00
16.253	Pteroyltri- γ -L-glutamic acid has been discontinued	699.6	2, 12			1202.00	672.00	206.00
16.254	Pteroyltetra- γ -L-glutamic acid	828.7	2, 15			1380.00	777.00	269.00
16.255	Pteroylpenta- γ -L-glutamic acid has been discontinued	957.9	2, 15			1944.00	1078.00	338.00
16.266	Pteroylhexa- γ -L-glutamic acid, ammonium salt	1206.2	2, 15			2208.00	1240.00	409.00
16.267	Pteroylhepta- γ -L-glutamic acid, ammonium salt	1352.3	2, 15			2425.00	1380.00	462.00
16.280	(6R,S)-5-Formyl-5,6,7,8-tetrahydropteroic acid	344.3				140.00	89.00	
16.282	(6R,S)-5-Formyl-5,6,7,8-tetrahydropteroyldi- γ -L-glutamic acid, lithium salt has been discontinued	620.4				1691.00	953.00	293.00
16.283	(6R,S)-5-Formyl-5,6,7,8-tetrahydropteroyltri- γ -L-glutamic acid, lithium salt has been discontinued	755.4				1795.00	1004.00	311.00
16.284	(6R,S)-5-Formyl-5,6,7,8-tetrahydropteroyltetra- γ -L-glutamic acid, lithium salt	890.5				2067.00	1163.00	399.00
16.285	(6R,S)-5-Formyl-5,6,7,8-tetrahydropteroylpenta- γ -L-glutamic acid, lithium salt has been discontinued	1025.5				2906.00	1613.00	506.00
16.286	(6R,S)-5-Formyl-5,6,7,8-tetrahydropteroylhexa- γ -L-glutamic acid, lithium salt	1160.6				3762.00	2091.00	652.00
16.330	Aminopterin [4-Aminofolic acid]	440.4	11		1435.00	232.00	140.00	
16.403	4-Amino-10-methylpteroic acid (APA, DAMPA)	325.3	11		1533.00	248.00	148.00	
16.411	Methotrexate [4-Amino-10-methylpteroyl- γ -L-glutamic acid] has been discontinued	454.4	2, 11, 12	1011.00	338.00	90.00		
16.412	4-Amino-10-methylpteroyldi- γ -L-glutamic acid, ammonium salt [Methotrexate diglutamate]	634.7	2, 11, 15			1076.00	603.00	187.00
16.413	4-Amino-10-methylpteroyltri- γ -L-glutamic acid, ammonium salt [Methotrexate triglutamate]	780.8	2, 11, 15			1145.00	637.00	196.00
16.414	4-Amino-10-methylpteroyltetra- γ -L-glutamic acid, ammonium salt [Methotrexate tetraglutamate]	926.9	2, 11, 15			1320.00	736.00	248.00
16.415	4-Amino-10-methylpteroylpenta- γ -L-glutamic acid, ammonium salt [Methotrexate pentaglutamate]	1073.1	2, 11, 15			1840.00	1012.00	313.00
16.416	4-Amino-10-methylpteroylhexa- γ -L-glutamic acid, ammonium salt [Methotrexate hexaglutamate]	1219.2	2, 11, 15			2087.00	1159.00	378.00
16.417	4-Amino-10-methylpteroylhepta- γ -L-glutamic acid, ammonium salt [Methotrexate heptaglutamate]	1365.4	2, 11, 15			2208.00	1220.00	413.00
16.500	7-Hydroxymethotrexate	470.4	12				153.00	65.00
16.701	p-Aminobenzoyl-L-glutamic acid	266.3			122.00			
16.702	p-Aminobenzoyldi- γ -L-glutamic acid, ammonium salt	446.5	2, 12			183.00	105.00	
16.703	p-Aminobenzoyltri- γ -L-glutamic acid, ammonium salt	592.6	2, 12			202.00	118.00	
16.704	p-Aminobenzoyltetra- γ -L-glutamic acid, ammonium salt	738.8	2, 12			229.00	127.00	

Product number	Product	MW (ref 3)	Ref. (see last page)	5g USD	1g USD	100mg USD	50mg USD	10mg USD
16.705	p-Aminobenzoylpenta- γ -L-glutamic acid, ammonium salt	884.9	2, 12			320.00	170.00	
16.706	p-Aminobenzoylhexa- γ -L-glutamic acid, ammonium salt	1031.0	2, 12			352.00	199.00	
16.707	p-Aminobenzoylhepta- γ -L-glutamic acid, ammonium salt	has been discontinued	2, 12			380.00	210.00	
16.802	Di- γ -L-glutamic acid, ammonium salt	has been discontinued	2, 12			397.00	225.00	71.00
16.803	Tri- γ -L-glutamic acid, ammonium salt	has been discontinued	2, 12			624.00	369.00	100.00
16.804	Tetra- γ -L-glutamic acid, ammonium salt	has been discontinued	2, 12			796.00	439.00	128.00
16.805	Penta- γ -L-glutamic acid, ammonium salt	has been discontinued	2, 12			1005.00	554.00	159.00
16.806	Hexa- γ -L-glutamic acid, ammonium salt	has been discontinued	2, 12			1204.00	681.00	199.00
16.901	Z-Glu-OtBu	337.4	12	25.00				
16.902	Z-Glu ₂ -OtBu ₃	578.7	12, 17		115.00	14.00		
16.903	Z-Glu ₃ -OtBu ₄	763.9	12		204.00	28.00		
16.904	Z-Glu ₄ -OtBu ₅	949.1	12		323.00	44.00		
16.905	Z-Glu ₅ -OtBu ₆	1134.4	12		476.00	64.00		
16.906	Z-Glu ₆ -OtBu ₇	1319.6	12		649.00	95.00		
91.203	L-(5- ¹⁵ N)-Biopterin	has been discontinued				1208.00	688.00	197.00
91.205	(5- ¹⁵ N)-7,8-Dihydro-L-biopterin	has been discontinued				1839.00	1032.00	279.00
91.207	(5- ¹⁵ N)-(6R,S)-5,6,7,8-Tetrahydro-L-biopterin dihydrochloride	has been discontinued	1			1659.00	942.00	259.00
91.303	D-(5- ¹⁵ N)-Neopterin	254.2				818.00	492.00	160.00
96.203	(5- ¹⁵ N)-Folic acid	442.4	18			2736.00	1533.00	428.00
96.220	(6R,S)-[5-Formyl- ¹³ C]-5,6,7,8-tetrahydrofolic acid, lithium salt	has been discontinued	2			1401.00	797.00	235.00
97.000	Radioactive compounds	<i>(Please refer to our reference 18)</i>						

Data sheets can be found by clicking on the product number of your choice. Full data sheets are available for several products and short version data sheets (structural formula and HPLC conditions when appropriate) are given for the remaining products.

Ref. no.	Reference details
1	Ampoules: the ampoules can be opened by cutting a deep groove around the neck of the ampoule with a glass knife, wrapping the ampoule in a towel and breaking it.
2	Data sheets will be sent on request with orders for this product or the data sheet can be viewed on our website by clicking on the product number on the pteridine price list. Please note that we only have data sheets for the products with reference number 2. Data sheets for other products will appear on the website as soon as they are prepared. HPLC conditions and chemical structure are given for most of our products on our website.
3	Molecular weight without water
4	Tetrahydro-L-biopterin dihydrochloride (INN: Sapropterin dihydrochloride) 3 X 100 mg USD 246.00 10 X 100 mg USD 728.00 For storage details please see 'Data Sheet for Tetrahydrobiopterin'.
5	(6R,S)-5,6,7,8-Tetrahydrodictyopterin dihydrochloride
6	7-(L-erythro-1',2'-Dihydroxypropyl)pterin; L-Primapterin
7	(7R,S)-5,6,7,8-Tetrahydro-L-primapterin dihydrochloride
8	We are not in a position to synthesize this compound and don't foresee synthesizing it in the future. We do not know of any other manufacturer of this compound. Please do not send requests for this compound.
9	This compound is sensitive to high temperatures and must be sent by courier. These charges are not included. To be sent only October to March.
10	7-(D-erythro-1',2',3'-Trihydroxypropyl)pterin; D-Anapterin
11	Toxic
12	Contains 2-4 H ₂ O/Mol
13	6R,S-FH ₄ ·3HCl (16.209) and 6S-FH ₄ ·3HCl (16.208) are freely soluble in water. 6S-FH ₄ (16.207) is a free acid and is practically insoluble in water.
14	Folinic acid, calcium salt
15	Contains 4-7 H ₂ O/Mol
16	We have not yet synthesized H ₄ Pte-Glu _n and we don't foresee doing so in the future.
17	N-Benzoyloxycarbonyldi-γ-L-glutamic acid tri-tert-butyl ester
18	We are not permitted to synthesize radioactive compounds.
19	We do not manufacture 10-Formyl-5,6,7,8-tetrahydrofolic acid because of its instability. We recommend that you synthesize it according to P. Stover, Anal Biochem. <u>202</u> , (1992), 82, starting with one of the following intermediates Methenyl-FH ₄ (product no. 16.230) or (6R,S)-5-Formyl-5,6,7,8-tetrahydrofolic acid, calcium salt (product no. 16.220) or (6S)-5-Formyl-5,6,7,8-tetrahydrofolic acid, calcium salt (natural calcium folinate) (product no. 16.221) all of which we can provide. Please refer to page 3 of our price list.
20	We do not manufacture Dihydropterin because of its instability. We recommend that you synthesize it according to SJR Heales and K. Hyland, Production of stable solutions of 7,8-Dihydropterin, Pteridines, <u>1</u> , (1989), 151, starting with Tetrahydropterin (product no. 11.909).
21	These products are only 85-95% pure.