

-A-

	A23187				
	See: Antibiotic A23187				
	AA-861	20 mg	72.70		
159061	Purity: 95%	100 mg	326.40		
0°C	Orally active, specific and potent inhibitor of 5-lipoxygenase. Ref.: 1. Yoshimoto, T., et al., <i>Biochim. Biophys. Acta</i> , 713 , 470 (1982). 2. Ashida, Y., et al., <i>Prostaglandins</i> , 26 , 955 (1983). 3. Ancill, R.J., et al., <i>J. Int. Med. Res.</i> , 18 , 75 (1990). <chem>C2H2O3</chem> MW 326.4				
	ABL PROTEIN TYROSINE KINASE	250 U	47.25		
195876	(v-abl)	1 KU	162.75		
-70°C	Recombinant Expressed in <i>E. coli</i> A truncated form of the v-abl/protein tyrosine kinase which contains the minimum region needed for kinase activity and fibroblast transformation. Suppresses apoptosis and induces resistance to anti-cancer compounds. Activity: 100 KU/ml Unit Definition: one unit is the amount of enzyme which catalyzes the transfer of 1 pmol of phosphate to EAIYAAPFAKKK per minute at 30°C, pH 7.5. Contains no detectable phosphatase and protease and only trace amounts of RNase and DNase. MW 45 kDa				
	ACACETIN	10 mg	17.50		
193972	[480-44-4]	50 mg	85.00		
0-5°C	(5,7-Dihydroxy-4'-methoxyflavone) Possesses antioxidant properties and an inhibitor of rat liver glutathione S-transferase. Ref.: Zhang, K. and Das, N.P., <i>Biochem. Pharmacol.</i> , 47 , 2063 (1994). <chem>C18H12O5</chem> MW 284.3				
	ACETATE KINASE	250 U	50.00		
154678	[ATP: Acetate phosphotransferase]	1 KU	189.80		
0-5°C	EC 2.7.2.1 From <i>Escherichia coli</i> Activity: 150-300 units/mg protein (Biuret). Unit Definition: One unit will phosphorylate 1.0 μmole of acetate to acetylphosphate per min at pH 7.6 at 25°C. Suspension in 3.2 M (NH ₄) ₂ SO ₄ solution, pH approx. 6.0. Contains less than 0.01% glutamic-oxalacetic transaminase, lactic dehydrogenase, myokinase and NADH oxidase.				
	ACETOHEXAMIDE	1 g	22.05		
193572	[968-81-0]	5 g	88.20		
RT	(4-Acetyl-N-[(cyclohexylamino)-carbonyl]benzenesulfonamide) Hypoglycemic agent <chem>C15H24N2O4S</chem> MW 324.4				
	ACETOPROMAZINE	1 g	10.30		
154683	[61-00-7]				
RT	(2-Acetyl-10-[3-dimethyl-aminopropyl]phenothiazine) Maleate Salt <chem>C19H22N2OS</chem> • C ₄ H ₄ O ₄ MW 442.5				
	N-[2-(ACETOXY)ETHYL]-3-PYRIDINECARBOXAMIDE	1 mg	19.00		
159681	(Nicorandil Analog; SG-209)	5 mg	75.00		
0-5°C	An analog of nicorandil that acts as a nitrate-free vasodilator through activation of potassium channels. <chem>C10H12N2O3</chem> MW 207.2				
	3-(N-ACETYLAMINO)-5-(N-DECYL-N-METHYLAMINO)BENZYL ALCOHOL	1 mg	27.50		
159549	[103955-90-4]	5 mg	89.40		
0-5°C	(ADMB) A Protein Kinase C activator. Ref.: <i>Proc. Nat. Acad. Sci. USA</i> , 83 , 4214 (1986). <chem>C22H32N2O2</chem> MW 334.5				
	N-ACETYL-ASP-GLU	25 mg	45.00		
153036	[3106-85-2]	100 mg	156.00		
-20-0°C	An endogenous neuropeptide with high affinity for a brain "Glutamate" receptor. Ref.: Zaczek, R., et al., <i>Proc. Natl. Acad. Sci. (USA)</i> , 80 , 1116 (1983). <chem>C11H18N2O8</chem> MW 304.3				
	N-ACETYL-2-BENZYLTRYPTAMINE				
	See: Luzindole				
	ACETYL-DL-CARNITINE	250 mg	60.00		
154690	[2504-11-2]	1 g	214.00		
0°C	Hydrochloride Crystalline <chem>C9H17NO4</chem> • HCl MW 239.7				
	O-ACETYL-L-CARNITINE CHLORIDE	500 mg	11.45		
159062	[5080-50-2]	1 g	20.65		
0-5°C	(R-)-(-)-2-Acetoxy-3-carboxy-N,N,N-trimethyl-1-propanaminium chloride) Purity: >88% A cholinergic agonist that stimulates neuronal response to serotonin and acetylcholine. <chem>C9H19NO4Cl</chem> MW 239.7				
	ACETYLCHOLINE CHLORIDE, [ACETYL-1-¹⁴C]	50μCi	251.35		
17032	[5080-50-2]	250μCi	995.00		
0-5°C	Sp. Act. 1-10 mCi/mmol 37-370 MBq/mmol Ethanol Ref.: Nicholas, C., et al., <i>J. Neurochem.</i> , 62 , 1835-1839 (1994). <chem>CH3CO2CH2CH2N(CH3)3Cl</chem> MW 181.6				
	ACETYL COENZYME A	1 mg	11.25		
100490	[72-89-9]	5 mg	27.85		
0°C	Trilithium Salt Trihydrate Purity: 92-95% <chem>C23H32Li3O17P3S</chem> • 3H ₂ O MW 881.1				
	N-ACETYL-L-CYSTEINE	25 g	22.00		
100098	[616-91-1]	50 g	36.75		
0-5°C	Crystalline Purity: >96% A mucolytic agent for isolation of mycobacteria from sputum. <chem>C5H9NO3S</chem> MW 163.2				
	N-ACETYL-L-CYSTEINE	5 g	12.75		
194603	[616-91-1]	10 g	20.00		
0-5°C	Cell Culture Reagent Crystalline Purity: >96% A mucolytic agent for isolation of mycobacteria from sputum. <chem>C5H9NO3S</chem> MW 163.2				
	N-ACETYL-L-CYSTEINE, [1-¹⁴C]	50 μCi	1332.80		
16010	[616-91-1]				
0-5°C	Sp. Act. 25-50 mCi/mmol 0.925-1.85 GBq/mmol Ethanol solution. <chem>HSCH2CH(NHCOCH3)COOH</chem> MW 163.2				
	4-ACETYL-1,1-DIMETHYL-PIPERAZINIUM IODIDE	5 mg	59.65		
159683	[103955-90-4]	10 mg	108.95		
RT	A nicotinic acid agonist <chem>C8H17N2OI</chem> MW 284.1				
	N-ACETYLDOPAMINE	10 mg	16.80		
150229	[2494-12-4]	25 mg	33.10		
0°C	Crystalline Metabolite of dopamine <chem>C10H13NO3</chem> MW 195.2				

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$
193573	γ-ACETYLENIC GABA [57659-38-3] (4-Amino-5-hexynoic acid) A GABA transaminase inhibitor. Ref.: Schousboe, et al., <i>Neurochem. Res.</i> , 11 , 1497 (1986). C ₈ H ₉ NO ₂ MW 127.1	1 mg 11.00 5 mg 44.10 25 mg 198.45	100182	N-α-ACETYLGLYCYL-L-LYSINE METHYL ESTER [14752-92-2] (AGLME) Acetate Salt Crystalline Substrate for measurement of urokinase activity. Ref.: Walton, P.L., <i>Biochem. Biophys. Acta.</i> 132 , 104 (1967). C ₁₁ H ₂₁ N ₃ O ₄ • C ₂ H ₄ O ₂ MW 319.4	100 mg 8.80 250 mg 17.80 1 g 60.90 5 g 280.55
159030	N-ACETYL-S-FARNESYL-L-CYSTEINE (AFC) -20°C Purity: 98% Specific inhibitor of S-farnesyl-cysteine methyl transferase. Also prevents carboxyl methylation of p21 ^{ras} platelet RAP 1 and the transduction γ subunit. Ref.: 1. Volker, C., et al., <i>J. Biol. Chem.</i> , 266 , 21515 (1991). 2. Huzoor-Akabar, et al., <i>ibid.</i> , 266 , 4387 (1991). 3. Perez-Sala, D., et al., <i>Proc. Natl. Acad. Sci. USA</i> , 88 , 3043 (1991). MW 367.5	5 mg 71.35 25 mg 306.00	159684	1-ACETYL-4-METHYLPIPERAZINE Hydrochloride RT A nicotinic acid agonist C ₇ H ₁₄ N ₂ O • HCl MW 178.7	5 mg 59.65 10 mg 108.95 25 mg 217.85
26020	N-ACETYL-S-FARNESYL-L-CYSTEINE, [Cysteine-1-³H] 0-5°C Sp. Act. 10-20 Ci/mmol 370-740 MBq/mmol Ethanol Shipped in dry ice. Please call for delivery information. MW 367.5	50 μCi 605.15 250 μCi 1817.90	194605	N-ACETYLNEURAMINIC ACID 0-5°C [131-48-6] (Sialic Acid; NANA; Type IV) Cell Culture Reagent From <i>E. coli</i> White crystalline powder Purity: ≥98% C ₁₁ H ₁₉ NO ₉ MW 309.3	10 mg 12.65 25 mg 25.35 100 mg 66.15 250 mg 145.55 500 mg 248.05 1 g 439.90
195681	N-ACETYL-S-GERANYL-L-CYSTEINE (AGC) -20°C Purity: 98% A biologically inactive close structural analog of AFC and AGGC. Used as a negative control. MW 299.4	1 mg 20.20 5 mg 92.40	195854	N-ACETYLNEURAMINIC ACID 0-5°C [131-48-6] (Sialic Acid; NANA) From Bovine Milk C ₁₁ H ₁₉ NO ₉ MW 309.3	5 mg 10.50 25 mg 37.80 100 mg 131.25
159845	N-ACETYL-S-GERANYLGERANYL-L-CYSTEINE -20°C [139332-94-8] (AGGC) Purity: 98% Specifically inhibits methyl esterification of geranylgeranylated proteins. Also, it blocks signal transduction in human neutrophils that are receptor mediated. Ref.: 1. Phillips, M.R., et al., <i>Science</i> , 259 , 977 (1993). 2. Volker, C., et al., <i>FEBS Lett.</i> , 295 , 189 (1991). MW 435.7	5 mg 131.90 10 mg 229.30	195855	N-ACETYLNEURAMINIC ACID 0-5°C [131-48-6] (Sialic Acid; NANA) From Egg Purity: ≥97% C ₁₁ H ₁₉ NO ₉ MW 309.3	10 mg 12.60 50 mg 52.50 250 mg 236.25
158221	N-ACETYL-D-GLUCOSAMINYL-β-(1→4)-N-ACETYLMURAMYL-L-ALANYL-D-ISOGLUTAMINE (GMDP) -20°C Purity: 98% Lyophilized A novel synthetic analog of bacterial cell wall glycopeptide which acts as a modulator of humoral and cellular immunity reactions. Possesses immunoadjuvant and protective activity against bacterial and viral (including tumorigenic) infections. Differs from well-known muramyl peptides in that it contains GlcNAC attached to muramic acid via the β-(1→4) glycosidic bond. Soluble in H ₂ O, EtOH, MeOH, DMF, and physiological saline (1g/ml) Ref.: 1. Campbell, M.J., et al., <i>J. Immunology</i> , 145 , 1029 (1990). 2. Balitsky, K.P., et al., <i>Int. J. Immunopharmacol.</i> , 11 , 429 (1989).	1 mg 28.00 5 mg 125.95	153039	N-ACETYL-PHE-NLE-ARG-PHE AMIDE -20-0°C [83903-28-0] A molluscan cardioexcitatory neuropeptide analog. C ₂₃ H ₄₀ N ₆ O ₅ MW 622.8	0.5 mg 18.00 1 mg 30.00 5 mg 131.00
			193574	N-ACETYLPROCAINAMIDE -20°C [34118-92-8] (4-(Acetylamino)-N-[2-(diethylamino)ethyl]benzamide) Hydrochloride A metabolite of procainamide that blocks potassium channels and exhibits some antiarrhythmic activity. C ₁₃ H ₂₂ N ₂ O ₂ • HCl MW 313.8	250 mg 11.95 1 g 37.95
			158923	N-ACETYL-D-SPHINGOSINE -20°C [3102-57-6] (C ₂ Ceramide; N-Ethanol-D-sphingosine; Acetyl ceramide) Purity: 98% Inhibitor of cell proliferation and inducer of monocytic differentiation of HL-60 cells. Stimulates cytosolic serine/threonine protein phosphatase in T9 cells at low concentrations. Ref.: 1. Kim, M.-Y., et al., <i>J. Biol. Chem.</i> , 266 , 484 (1991). 2. Okazaki, T., et al., <i>ibid.</i> , 265 , 15823 (1990). 3. Dobrowsky, R.T. and Hannun, Y.A., et al., <i>J. Biol. Chem.</i> , 267 , 5048 (1992). C ₂₃ H ₄₃ N ₃ O ₃ MW 341.5	1 mg 12.10 5 mg 40.20
			159685	N-ACETYLTRYPAMINE RT Useful in determination of serotonin N-acetyl transferase C ₁₂ H ₁₁ N ₂ O MW 202.2	5 mg 45.90 10 mg 86.00 25 mg 172.00
			154259	ACIVICIN -20°C [42228-92-2] Purity: 99% Potent irreversible inhibitor of gamma-glutamyl transpeptidase (I _{D50} =0.54mM). Potent anti-tumor agent. C ₈ H ₇ ClN ₂ O ₃ MW 178.6	10 mg 23.95 100 mg 164.95

Neuroscience

One call. One source.
A world of biomedical products.

1147

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872



Neuroscience Products

CATALOG
NUMBER

U.S. \$

CATALOG
NUMBER

U.S. \$

154710 **ACONITINE** 25 mg 60.00
RT [302-27-2] 100 mg 220.00
Purity: 95%
Crystalline
 $C_{34}H_{47}NO_{11}$ MW 645.7

104658 **ACTINOMYCIN D** 1 mg 15.00
0-5°C [50-76-0] 5 mg 65.00
Crystalline 10 mg 99.00
Purity: ~98% 25 mg 205.00
 Potent apoptosis inducer.
 Soluble in chloroform, acetone, methanol
 and decomposed by strong acids, light.
 $C_{62}H_{98}N_{12}O_{16}$ MW 1255.5

194525 **ACTINOMYCIN D** 2 mg 40.20
0-5°C [50-76-0] 5 mg 61.50
Cell Culture Reagent 10 mg 115.75
Crystalline 25 mg 240.35
Purity: ~98%
 Inhibits nucleic acid synthesis and potentially
 induces apoptosis.
 $C_{62}H_{98}N_{12}O_{16}$ MW 1255.5

196035 **ACTINOMYCIN D** 1 mg 11.55
0-5°C [50-76-0] 5 mg 48.85
 From *Streptomyces parvulus* 25 mg 179.00
Purity: ~98%
 Potent apoptosis inducer and nucleic acid
 synthesis inhibitor.
 Soluble in methanol.
 $C_{62}H_{98}N_{12}O_{16}$ MW 1255.5

105460 **ADENOSINE-3',5'-cyclic-** 25 mg 11.45
0°C **MONOPHOSPHATE** 100 mg 28.45
 [37839-81-9] 500 mg 89.45
 (Adenosine-3',5'-Monophosphoric Acid) 1 g 166.40
Sodium Salt
Crystalline
Purity: Approx. 98%
 $C_{10}H_{11}N_5O_6PNa$ MW 351.2

100056 **ADENOSINE-5'-DIPHOSPHATE** 100 mg 8.05
0°C [16178-48-6] 500 mg 28.95
 (ADP-Na₂) 1 g 47.30
From Equine Muscle 5 g 152.80
Purity: >95%
 White to off-white powder
Disodium Salt
 $C_{10}H_{13}N_5Na_2O_{10}P_2$ MW 471.2

100080 **ADENOSINE-5'-MONOPHOSPHATE** 1 g 6.70
0°C [18422-05-4] 5 g 21.30
From Yeast 25 g 51.40
Free Acid 100 g 153.70
Crystalline
Purity: 99-100%
 $C_{10}H_{14}N_5O_7P$ MW 347.2

150264 **ADENOSINE-5'-MONOPHOSPHATE** 1 g 7.10
0°C [4578-31-8] 5 g 18.20
 (AMP) 25 g 83.40
From Yeast 100 g 301.40
Disodium Salt
Crystalline
Purity: 99-100%
 $C_{10}H_{12}N_5Na_2O_7P$ MW 391.2

159550 **ADENOSINE-5'-O-** 1 mg 28.45
0°C **THIOMONOPHOSPHATE** 5 mg 94.30
 [93839-85-1]
 (AMP-S)
Dilithium Salt
 Acts as substrate and inhibitor for
 AMP-dependent enzyme systems.
Ref.: Murray, A.W. and Atkinson, M.R.,
 Biochemistry, 7, 4023 (1968).
 $C_{10}H_{12}N_5O_6PSLi_2$ MW 375.1

159551 **ADENOSINE-5'-O-(3-** 1 mg 26.90
-20°C **THIOTRIPHOSPHATE)** 5 mg 89.60
 [93839-89-5]
 (ATP-γ-S)
Tetralithium Salt
Purity: >80%
Ref.: Chrysoyelos, S., et al., J. Biol. Chem.,
 258, 12624 (1983).
 $C_{10}H_{12}N_5O_{10}P_3SLi_4$ MW 547.0

100004 **ADENOSINE-5'-TRIPHOSPHATE** 500 mg 15.40
0°C [42373-41-1] 1 g 25.00
Dipotassium Salt 5 g 118.80
Purity: >96%
 $C_{10}H_{14}N_5O_{13}P_3K_2$ MW 583.4

100008 **ADENOSINE-5'-TRIPHOSPHATE** 1 g 12.30
0°C [51963-61-2] 5 g 38.05
 (ATP) 10 g 61.50
Disodium Salt 25 g 135.30
Crystalline 100 g 439.30
Purity: Approx. 99%
 $C_{10}H_{12}N_5Na_2O_{13}P_3$ MW 551.2

194613 **ADENOSINE-5'-TRIPHOSPHATE** 1 g 20.60
0°C [51963-61-2] 5 g 52.60
 (ATP) 10 g 94.80
Disodium Salt
Cell Culture Reagent
Crystalline
Purity: ~99%
 $C_{10}H_{14}N_5Na_2O_{13}P_3$ MW 551.2

195879 **ADENYLATE CYCLASE ACTIVATING** 25 µg 47.25
0-5°C **PEPTIDE-27** 100 µg 131.25
 [127317-03-7]
 (PACAP-27)
 His-Ser-Asp-Gly-Ile-Phe-Thr-Asp-Ser-Tyr-Se
 r-Arg-Tyr-Arg-Lys-Gln-Met-Ala-Val-Lys-Lys-Ty
 r-Leu-Ala-Ala-Val-Leu-NH₂
Purity: >97%
 MW 3147.6

195880 **ADENYLATE CYCLASE ACTIVATING** 100 µg 89.25
0-5°C **PEPTIDE, Fragment 6-27**
 [136134-68-4]
 Phe-Thr-Asp-Ser-Tyr-Ser-Arg-Tyr-Arg-Lys-Gl
 n-Met-Ala-Val-Lys-Lys-Tyr-Leu-Ala-Ala-Val-Le
 u-NH₂
Purity: >97%
 Inhibits PACAP-27
 MW 2638.1

195881 **ADENYLATE CYCLASE ACTIVATING** 100 µg 189.00
0-5°C **PEPTIDE-38**
 [137061-48-4]
 (PACAP-38)
 His-Ser-Asp-Gly-Ile-Phe-Thr-Asp-Ser-Tyr-Se
 r-Arg-Tyr-Arg-Lys-Gln-Met-Ala-Val-Lys-Lys-Ty
 r-Leu-Ala-Ala-Val-Leu-Gly-Lys-Arg-Tyr-Lys-G
 ln-Arg-Val-Lys-Asn-Lys-NH₂
 More potent than VIP at stimulating
 adenylylase cyclase.
 MW 4534.3

193589 **ADRENALINE ELISA KIT** 1 each 468.55
0-5°C
 This adrenaline ELISA kit provides
 materials for the quantitative measurement
 of chemically derivatized adrenaline in
 urine. The assay procedure follows the
 basic principle of competitive ELISA
 whereby there is competition between a
 biotinylated and non-biotinylated antigen for
 a fixed number of antibody binding sites.
 The kit is a 12 x 8 well format.

FOR RESEARCH USE ONLY!

AESBF

See: 4-(2-Aminoethyl)-benzenesulfonylfluoride

AG-126

See: Tyrphostin A10

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999 1148
 Outside the U.S.: (714) 545-0100, fax (714) 557-4872

www.icnbiomed.com
 Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$
	AG-370			1-ALLYL-3,7-DIMETHYL-8-PHENYLXANTHINE	5 mg 35.30 10 mg 66.15 25 mg 132.30
	See: Tyrphostin B7		193577 RT	[149981-23-7] An A ₁ Adenosine receptor antagonist. Ref.: Jacobson, et al., <i>J. Med. Chem.</i> , 38(18) , 2639 (1993). C ₁₈ H ₁₈ N ₄ O ₂ MW 296.3	
	AG-490			3-(4-ALLYLPIPERAZIN-1-YL)-2-QUINOXALINECARBONITRILE	5 mg 98.60 10 mg 166.25
	See: Tyrphostin B42		159860 RT	Purity: 98% Selective antagonist of serotonin 5-HT ₂ . Ref.: Monge, A., et al., <i>J. Med. Chem.</i> , 36 , 2745 (1993). MW 395.4	
	AG-494			ALPHAXALONE	1 mg 16.55 5 mg 55.10 10 mg 99.20
	See: Tyrphostin B48		193579 RT	[23930-19-0] (3 α -Hydroxy-5 α -pregnane-11,20-dione) A neurosteroid which acts upon the GABA _A receptor. Ref.: Turner, et al., <i>J. Pharmacol. Exp. Ther.</i> , 248 , 960 (1989). C ₂₁ H ₃₂ O ₃ MW 332.5	
	AG-555			L-ALPRENOLOL	1 g 13.70 5 g 44.95 25 g 149.65
	See: Tyrphostin B46		190092 RT	[13707-88-5] (L-[1-(2-Allylphenoxy)-3-isopropyl-aminopropan-2-ol]) Hydrochloride Crystalline Hydrate C ₁₉ H ₂₂ NO ₂ • HCl • H ₂ O MW 303.8	
195715 RT	AG-879 Purity: 99% A tyrphostin family member which inhibits the NGF receptor autophosphorylation selectively with no inhibition of EGF or PDGF receptor phosphorylation. Inhibits NGF-induced neurite outgrowth in PC12 cells. MW 316.5	1 mg 23.60 5 mg 100.80		ALRESTATIN	5 mg 45.90 10 mg 84.85 25 mg 169.70
			195778 RT	[51411-04-2] (1,3-Dioxo-1H-benz[de]isoquinoline-2(3H)-acetic acid) Aldose reductase inhibitor. C ₁₄ H ₉ NO ₄ MW 255.2	
	AGMATINE SULFATE [2482-00-0] (4-Guanidinobutane sulfate; Argamine) Purity: 95-97% This is the enzymatic decarboxylation product of arginine, which acts as an imidazole receptor agonist. C ₆ H ₁₄ N ₄ • H ₂ SO ₄ MW 228.3	250 mg 20.00 1 g 74.85		ALUMINUM CHLORIDE	100 g 8.85 500 g 31.00 1 kg 57.00
100274 0°C			159552 RT	(Aluminum trichloride) Hexahydrate Often used in aqueous solution with NaF to induce a number of biological effects from generation of the (AlF ₄) ⁻ moiety. AlCl ₃ • 6H ₂ O MW 241.4	
	AGROCLAVINE [548-42-5] (8,9-Didehydro-6,8-dimethylergoline) An ergot alkaloid which acts as a dopamine receptor agonist. C ₁₆ H ₁₉ N ₂ MW 238.3	10 mg 11.00 25 mg 22.05 100 mg 79.40		AMBENONIUM DICHLORIDE	5 mg 59.65 10 mg 108.95 25 mg 217.85
193575 RT			159687 RT	[52022-31-8] A reversible, noncovalent inhibitor of acetyl cholinesterase. C ₂₂ H ₄₂ N ₄ O ₂ Cl ₄ MW 608.5	
	ALAMETHICIN [27061-78-5] (Antibiotic U-22324) Mixture of alamethicin homologs. Antibiotic which increases the permeability of membranes. Also increases the incorporation of ³² P into phosphatidylinositol 4-phosphate and sarcoplasmic reticulum vesicles permeability. Ref.: 1. Brewer, D., et al., <i>Can. J. Microbiol.</i> , 33 , 619 (1987). 2. Quist, E., et al., <i>Arch. Biochem. Biophys.</i> , 271 , 21 (1989).	5 mg 59.65 10 mg 113.50 25 mg 271.15		AMFONELIC ACID	5 mg 25.05 10 mg 45.05 25 mg 100.15
159009 0-5°C			153650 0-5°C	(7-Benzyl-1-ethyl-1,4-dihydro-4-oxo-1,8-naphthyridine-3-carboxylic acid) Dopamine releaser C ₁₉ H ₁₉ N ₂ O ₃ MW 308.3	
	ALAPROCLATE [60719-83-7] (DL-Alanine 2-(4-chlorophenyl)-1,1-dimethylethyl ester) Hydrochloride Powerful, selective serotonin uptake inhibitor. C ₁₇ H ₁₉ NO ₂ Cl • HCl MW 292.2	10 mg 16.55 25 mg 33.05 100 mg 121.25		AMIDINOPHENYL BENZOATE	10 mg 16.55 100 mg 55.10
			194099 0-5°C	(APB; Try Inhibitor) Hydrochloride A trypsin-like serine protease inhibitor. Ref.: Markwardt, F., et al., <i>Acta Biol. Meg. Germ.</i> , 28 , k19-k25 (1972).	
159010 0-5°C	ALLETHRIN [584-79-2] (Allethrin I) Mixture of 8 isomers A Type I pyrethrin which demonstrates very weak active "negative" control properties for calcineurin (protein phosphatase 2B) inhibition by Type II pyrethrins. C ₁₉ H ₂₆ O ₃ MW 302.42	10 mg 35.80 25 mg 85.40 50 mg 166.55		p-AMIDINOPHENYLMETHYL-SULFONYLFLUORIDE	1 mg 18.00 5 mg 62.40
			194956 0-5°C	[74938-88-8] (p-APMSF) Hydrochloride Purity: >75% A stable, non-toxic alternative to DFP or PMSF. Specifically and irreversibly inhibits trypsin-like serine proteases, trypsin, and thrombin. Demonstrates activity on factor Xa, plasmin, C1r and C1s. Activity is 1000 fold greater than PMSF. Ref.: Cole, T.C., et al., <i>Biochim. Biophys. Acta.</i> , 990 , 254 (1989). MW 257.2	
195886 RT	ALLOPREGNANOLONE [516-54-1] (Allopregnan-3 α -ol-20-one; 3 α -Hydroxy-5 α -20-one) Purity: >95% A neurosteroid with potent ligand properties against GABA Type A receptor complexes in mammalian CNS potentiating the GABA receptor-mediated chloride uptake in synaptosomes. C ₂₁ H ₃₄ O ₂ MW 318.5	1 mg 26.25 5 mg 110.25			

Neuroscience

One call. One source.
A world of biomedical products.

1149

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872



Neuroscience Products

CATALOG
NUMBER

U.S. \$

CATALOG
NUMBER

U.S. \$

194100 0-5°C	AMIDINOPHENYLPYRUVIC ACID (APPA)	1 mg	12.65	159691 0-5°C	N-(4-AMINOBUTYL)-2-NAPHTHALENESULFONAMIDE [89108-46-3] (W-12) Hydrochloride A calmodulin antagonist. Ref.: Hidaka, et al., Proc. Nat. Acad. Sci. USA, 78 , 4354 (1981). C ₁₄ H ₁₈ N ₂ O ₂ S • HCl MW 314.8	1 mg	55.25
		10 mg	76.05			5 mg	218.60
		25 mg	165.35			10 mg	393.65
	A polyvalent inhibitor for serine proteases like trypsin, factor IIa, factor Xa, and plasma kallikrein. It is a potent acrosin inhibitor, as well as, an effective inhibitor of thrombin and factor Xa clotting activity. It can distinguish between plasma kallikrein and glandular kallikrein, thrombin, and batroxobin (thrombin-like snake venom enzyme). Ref.: Geratz, J.D., Arch. Biochem. Biophys., 118 , 90-6 (1967).						
153537 RT	AMILORIDE [2016-88-8]	50 mg	14.85	16011 0-5°C	γ-AMINO-BUTYRIC ACID, [4-¹⁴C] Sp. Act. 50-60 mCi/mmol 1.85 -2.22 GBq/mmol 0.01N HCl solution. <i>Please call for delivery information.</i> H ₂ NCH ₂ (CH ₂) ₂ COOH MW 137.0	50 μCi	447.50
		250 mg	36.15			250 μCi	1150.90
		1 g	72.25				
	(3,5-Diamino-N-(aminomethyl)-6-chloropyrazinocarboxamide) Hydrochloride A sodium ion channel inhibitor C ₆ H ₈ ClN ₂ O • HCl MW 266.1						
195856 0-5°C	7-AMINOACTINOMYCIN D [7240-37-1] (7-AAD; 7-Amino-AMD; 7-Actinomycin C ₁ ; 7-Aminodactinomycin) Purity: ≥95% DNA intercalator and growth inhibitor against certain forms of leukemia and sarcomas. MW 1270.4	1 mg	65.70	693281 0-5°C	γ-AMINO-BUTYRIC ACID MONOCLONAL ANTIBODY Anti-GABA Clone: AD5A9 Isotype: mouse IgG ₁ presented affinity purified Conc/Titer: 100 μg/ml Applications: Immunohistochemistry The original immunogen was GABA coupled to BSA. The antibody is highly specific to GABA, a non-protein amino acid neurotransmitter, and does not react with other amino acids.	10 μg	86.20
159028 RT	3-AMINOBENZAMIDE [3544-24-9] (PARP Inhibitor) Purity: 97% Endogenous poly-ADP-ribosyltransferase inhibitor. Ref.: Kozak, K.R. and Ross, I.A., Biochem. Biophys. Res. Commun., 179 , 1225 (1991). C ₇ H ₈ N ₂ O MW 136.2	100 mg	25.60	5-AMINO-3-(3-CHLORO-2-METHYLPHENYL)-1,2,3,4-OXA-TRIAZOLIUM <i>See: GEA 5024</i>			
		250 mg	49.70				
		1 g	133.95				
		5 g	530.00				
159861 RT	1-AMINOBENZOTRIAZOLE [1614-12-6] Purity: 99% Suicide inhibitor of cytochrome P-450 and chloroperoxidase. Oxidative drug metabolism inhibitor in <i>in vivo</i> studies. Ref.: 1. Matthews, J.M., et al., <i>J. Pharmacol. Exp. Ther.</i> , 235 , 186 (1985). 2. Mico, B.A., et al., <i>Biochem. Toxicol.</i> , 37 , 2515 (1988). 3. Mugford, C.A., et al., <i>Fundam. Appl. Toxicol.</i> , 19 , 43 (1992). C ₈ H ₈ N ₄ MW 134.1	20 mg	30.00	159693 RT	3-AMINO-2-(4-CHLOROPHENYL)-2-HYDROXYPROPANESULFONIC ACID [117354-64-0] (2-Hydroxysaclofen) Purity: 98% min. Selective antagonist at GABA _B receptors. Also see Phaclofen C ₉ H ₁₁ NO ₂ SO ₂ MW 265.7	1 mg	20.00
		50 mg	70.00			5 mg	75.00
		100 mg	130.60			10 mg	142.80
195664 0-5°C	p-AMINOBENZOYL-GLY-PRO-D-LEU-D-ALA-HYDROXAMIC ACID [124168-73-6] Purity: 97% Broad spectrum protease inhibitor against human matrix metalloproteinase, collagenase, gelatinase and stromelysin. C ₂₃ H ₃₄ N ₆ O ₆ MW 490.6	1 mg	20.00	159692 RT	3-AMINO-2-(4-CHLOROPHENYL)-PROPANE SULFONIC ACID [125464-42-8] (Saclofen) Selective antagonist at GABA _B receptors. C ₉ H ₁₁ NO ₂ SO ₂ MW 249.7	1 mg	28.65
		5 mg	84.20			5 mg	114.65
						10 mg	217.85
193738 RT	AMINO BENZOTROPINE (3-(2'-Aminobenzhydryloxy)tropane) Muscarinic ligand with very high affinity. Useful for solubilizing muscarinic receptors. Ref.: Haga, et al., <i>J. Biol. Chem.</i> , 258 , 13575 (1983). C ₂₁ H ₂₈ N ₂ O MW 322.4	5 mg	16.55	3-AMINO-2-(4CHLOROPHENYL)PROPANE-PHOS-PHONIC ACID <i>See: Phaclofen</i>			
		25 mg	55.10				
		100 mg	198.45				
159690 0-5°C	N-(4-AMINOBUTYL)-5-CHLORO-2-NAPHTHALENESULFONAMIDE [88519-57-7] (W-13) Hydrochloride A calmodulin antagonist Ref.: Strobele and Peterson, <i>J. Pharm. Exp. Ther.</i> , 263 , 186 (1992). C ₁₄ H ₁₇ N ₂ O ₂ SO ₂ • HCl MW 349.3	1 mg	55.20	153649 0-5°C	p-AMINOCLONIDINE [73217-88-6] Hydrochloride α ₂ -Adrenergic receptor agonist C ₉ H ₁₀ Cl ₂ N ₄ • HCl MW 281.5	1 mg	23.95
		5 mg	218.50			5 mg	78.35
		10 mg	393.65			10 mg	129.90
	An analog of GABA. Used as a probe for bicuculline-insensitive GABA receptors. C ₄ H ₇ NO ₂ MW 101.1						
159694 -20°C				159695 RT	cis-4-AMINOCROTONIC ACID [55199-25-2] (Z-4-Amino-2-butenic acid) An analog of GABA. Used as a probe for bicuculline-insensitive GABA receptors. C ₄ H ₇ NO ₂ MW 101.1	1 mg	28.65
						5 mg	114.65
	Potent bicuculline-sensitive GABA agonist and GABA uptake inhibitor. C ₄ H ₇ NO ₂ MW 101.1						

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999 1150
Outside the U.S.: (714) 545-0100, fax (714) 557-4872www.icnbiomed.com
Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$
159696	1-AMINOCYCLOBUTANE-CARBOXYLIC ACID RT [22264-50-2] A specific NMDA receptor antagonist which acts at the glycine site. Ref.: Hood, et al., Eur. J. Pharmacol., 161 , 281 (1989). C ₅ H ₉ NO ₂ MW 115.1	5 mg 29.80 10 mg 53.00 50 mg 212.10	153647	(±)-2-AMINO-6,7-DIHYDROXY-1,2,3,4-TETRAHYDRONAPHTHALENE 0-5°C [73304-33-3] (6,7-ADTN HBr) Hydrobromide Dopamine agonist C ₁₁ H ₁₃ N ₂ O ₂ • HBr MW 260.2	10 mg 51.05 15 mg 72.95 25 mg 115.70
158856	1-AMINOCYCLOBUTANE-cis-1,3-DICARBOXYLIC ACID RT [117488-23-0] (trans-1-Aminocyclobutane-1,3-dicarboxylic acid, IUPAC name) Monohydrate Purity: ≥99% The most potent and highly selective synthetic NMDA agonist known. Ref.: 1. Lanthorn, T.H., et al., Eur. J. Pharmacol., 182 , 397 (1990). 2. Allen, R.D., et al., J. Med. Chem., 33 , 2905 (1990). Note: Some confusion exists concerning the name of this item, due to contradictions in the literature. This isomer has the two carboxyl groups on the same side of the cyclobutyl ring. C ₆ H ₉ NO ₄ • H ₂ O MW 177.16	1 mg 15.50 5 mg 70.00 10 mg 120.00 25 mg 286.00	193503	4-(2-AMINOETHYL)BENZENE-SULFONYL FLUORIDE RT [30827-99-7] Hydrochloride (AEBSF) (HPLC) A covalent binding serine protease inhibitor. AEBSF belongs to the family of irreversible sulfonyl fluoride inhibitors that block trypsin and chymotrypsin-type enzymes. Similar in structure to the commonly used inhibitor PMSF, AEBSF offers better solubility in water, lower toxicity, greater stability and higher inhibitory activity. C ₈ H ₁₁ FNO ₂ S • HCl MW 239.7	10 mg 11.00 50 mg 31.95 100 mg 54.50 500 mg 207.05 1 g 300.00
159702	(±)-1-AMINOCYCLOPENTANE-cis-1,2-DICARBOXYLIC ACID RT A structural analog of (±)-1-Aminocyclopentane-cis-1,3-dicarboxylic acid. C ₇ H ₁₁ NO ₄ MW 173.2	1 mg 21.20 5 mg 84.85 10 mg 158.20	159707	N-(2-AMINOETHYL)-4-CHLOROBENZAMIDE RT [94319-79-6] (Ro 16-6491) Hydrochloride A monoamine oxidase-β inhibitor. C ₉ H ₁₁ N ₂ OCl • HCl MW 235.1	10 mg 13.75 50 mg 40.10 100 mg 68.75
159704	(±)-1-AMINOCYCLOPENTANE-cis-1,3-DICARBOXYLIC ACID RT [39026-63-6] Potent NMDA agonist. A 1:1 mixture of (1R,3R) & (1S,3S)-enantiomers. C ₇ H ₁₁ NO ₄ MW 173.2	1 mg 20.00 5 mg 95.00 10 mg 183.60	158858	N-(2-AMINOETHYL)-5-CHLORONAPHTHALENE-1-SULFONAMIDE 0°C (A-3) Purity: 98% Inhibitor of PKA, PKG, MLCK, and protein kinase C. Ref.: Inagaki, M., et al., Mol. Pharmacol., 29 , 577 (1986). MW 321.2	10 mg 57.85 25 mg 137.60 50 mg 263.70
159705	(±)-1-AMINOCYCLOPENTANE-trans-1,3-DICARBOXYLIC ACID RT [39026-64-7] Glutamate receptor agonist. A 1:1 mixture of (1R,3R) & (1S,3S)-enantiomers. C ₇ H ₁₁ NO ₄ MW 173.2	1 mg 33.25 5 mg 80.00 10 mg 153.00	159709	N-(2-AMINOETHYL)-3-IODOBENZAMIDE 0-5°C Hydrochloride Reported to be a stronger MAO-β inhibitor than N-(2-Aminoethyl)-4-chlorobenzamide. Ref.: Annan and Silverman, J. Med. Chem., 36 , 3968 (1993). C ₉ H ₁₁ N ₂ O ₂ • HCl MW 326.6	1 mg 13.75 5 mg 52.75 10 mg 97.45 25 mg 215.00
26021	(±)-1-AMINOCYCLOPENTANE-trans-1,3-DICARBOXYLIC ACID, [4,5-³H] 0-5°C Sp.Act. 200-300 mCi/mmol 7.4-11.1 GBq/mmol Ethanol: water solution (2.8) HPLC Analyzed for Purity. Please call for delivery information. HOCH ₂ (CHOH) ₂ COCH ₂ OH MW 180.2	250μCi 1090.25 1mCi 2060.45	158859	N-(2-AMINOETHYL)-5-ISOQUINOLINESULFONAMIDE 0°C [84468-17-7] (H-9) Dihydrochloride Purity: 99% Excellent for chromatographic purification of protein kinases. Protein kinase inhibitor. Ref.: 1. Hidaka, H., et al., Biochemistry, 23 , 5036 (1984). 2. Inagaki, M., et al., J. Biol. Chem., 260 , 2922 (1985). 3. Wolf, M., et al., <i>ibid.</i> , 260 , 15718 (1985). C ₁₁ H ₁₃ N ₃ O ₂ S • 2HCl MW 324.3	10 mg 68.75 25 mg 157.65 50 mg 286.65
	5-AMINO-3-(3,4-DICHLOROPHENYL)-1,2,3,4-OXATRIAZOLIUM See: GEA 3162		159710	2-AMINOETHYLPHOSPHONIC ACID RT [2041-14-7] C ₂ H ₅ NO ₃ P MW 125.1	100 mg 20.00 250 mg 33.45
	3-AMINO-2,4-DICYANO-5-(4-HYDROXYPHENYL)PENTA-2,4-DIENONITRILE See: Tyrphostin A48			2-AMINOETHYLSULFINIC ACID See: Hypotaurine	
158857	(±)-3-AMINO-2,3-DIHYDROBENZOIC ACID 0°C [59556-17-1] (Gabaculine HCl) Hydrochloride An irreversible potent inhibitor of γ-aminobutyric acid transaminase. Ref.: 1. Metcalf, B.W., Biochem. Pharmacol., 28 , 1705 (1979). 2. Loscher, W., Naunyn-Schmiedeberg's Arch. Pharmacol., 315 , 119 (1980). C ₇ H ₉ NO ₂ • HCl MW 175.6	10 mg 34.95 25 mg 80.00 50 mg 147.00	153645	(±)-p-AMINOGLUTETHIMIDE RT [125-84-8] Inhibitor of cytochrome P-450-dependent hydroxylation reactions. C ₁₃ H ₁₅ N ₂ O ₂ MW 232.3	25 mg 14.45 50 mg 23.95 100 mg 43.35
			153643	R(+)-p-AMINOGLUTETHIMIDE TRATRATE RT [57344-88-4] An active enantiomer of p-aminoglutethimide. C ₁₃ H ₁₅ N ₂ O ₂ • C ₈ H ₈ O ₆ MW 382.4	15 mg 25.35 25 mg 39.80 50 mg 72.25

Neuroscience

One call. One source.
A world of biomedical products.

1151

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872



Neuroscience Products

CATALOG
NUMBER

U.S. \$

CATALOG
NUMBER

U.S. \$

153644 RT	S(-)-p-AMINOGLUTETHIMIDE TARTRATE	15 mg	25.35
		25 mg	39.80
	(S)-1-3-(4-Aminophenyl)-3-ethyl-2,6-piperidine dione tartrate) An enantiomer of p-aminoglutethimide which is less active. C ₁₇ H ₁₉ N ₂ O ₂ • C ₄ H ₆ O ₆ MW 382.4	50 mg	72.25
150349 RT	AMINO GUANIDINE BICARBONATE	100 g	9.25
	(2582-30-1) (Guanylylhydrazine bicarbonate) Crystalline C ₂ H ₆ N ₄ • H ₂ CO ₃ MW 136.1	500 g	24.00
154186 0-5°C	N-(6-AMINOHEXYL)-5-CHLORO-1- NAPHTHALENESULFONAMIDE	25 mg	25.40
		100 mg	82.25
	[61714-27-0] (W7) Hydrochloride Purity: ≥98% W7 is a vascular relaxing agent which affects vascular smooth muscle actomyosin. W7 is also a calmodulin antagonist that binds to calmodulin and inhibits Ca ²⁺ calmodulin-regulated enzyme activities. C ₁₉ H ₂₂ ClN ₂ O ₂ S • HCl MW 377.3	250 mg	167.00
154743 0-5°C	N-(6-AMINOHEXYL)-5-CHLORO-2- NAPHTHALENESULFONAMIDE	1 mg	55.25
		5 mg	148.50
	[69762-85-2] Hydrochloride A calmodulin antagonist Ref.: Hidaka, H., et al., Proc. Nat. Acad. Sci. USA, 78 , 4354 (1981). C ₁₉ H ₂₂ ClN ₂ O ₂ S • HCl MW 377.3	10 mg	267.80
154744 0-5°C	N-(6-AMINOHEXYL)-1- NAPHTHALENESULFONAMIDE	1 mg	45.95
	[61714-25-8] (W5) Hydrochloride Reported to be a calmodulin antagonist. Ref.: Hidaka, H., et al., Proc. Nat. Acad. Sci. USA, 78 , 4354 (1981). C ₁₉ H ₂₂ N ₂ O ₂ S • HCl MW 342.9	5 mg	180.80
154745 0-5°C	N-(6-AMINOHEXYL)-2- NAPHTHALENESULFONAMIDE	1 mg	34.90
	[35517-14-7] Hydrochloride Ref.: Hidaka, H., et al., Proc. Nat. Acad. Sci. USA, 78 , 4354 (1981). C ₁₉ H ₂₂ N ₂ O ₂ S • HCl MW 342.9	5 mg	138.70
4-AMINO-5-HEXYNOIC ACID See: γ-Acetylenic GABA			
159712 RT	(±)-α-AMINO-3-HYDROXY-5-METHYL- ISOXAZOLE-4-PROPIONIC ACID	1 mg	33.85
	(AMPA)	5 mg	137.60
	Dihydrate Selective quisqualate-like agonist. C ₇ H ₁₃ N ₂ O ₄ • H ₂ O MW 220.2	10 mg	258.00
154747 0-5°C	(±)-α-AMINO-3-HYDROXY-5-METHYL- ISOXAZOLE-4-PROPIONIC ACID	1 mg	43.25
	[118896-96-1] (AMPA) Hydrobromide Potent quisqualate-like agonist Ref.: 1. Krosgaard-Larsen, P., et al., Nature (London), 284 , 64 (1980). 2. Honore, T., et al., J. Neurochem., 38 , 173 (1982). C ₇ H ₁₃ N ₂ O ₄ • HBr MW 267.1	5 mg	189.20
		10 mg	344.00

158860 RT	7-AMINOKETANSERIN	25 mg	321.05
	(R 63234) Purity: 99% Affinity ligand for 5-HT and histamine receptors. Ref.: 1. Wouters, W., et al., Biochem. Pharmacol., 35 , 3199 (1986). 2. Wouters, W., et al., FEBS, 182 , 291 (1985). 3. Wouters, W., et al., J. Biol. Chem., 260 , 8423 (1985). MW 410.4	50 mg	584.75
159713 -20°C	AMINOMALONIC ACID	1 mg	13.75
	[1068-84-4]	5 mg	38.95
	C ₃ H ₅ NO ₄ MW 119.1	25 mg	155.90
195935 -20°C	2'-AMINO-3'-METHOXYFLAVONE	1 mg	26.25
	(PD 98059) Purity: >95% MAP kinase activation inhibitor. Inhibits cell growth and reverses the phenotype of <i>ras</i> -transformed BalB 3T3 fibroblasts. C ₁₇ H ₁₃ NO ₃ MW 267.3	5 mg	99.75
154187 0-5°C	α-AMINO-β-METHYLAMINO- PROPIONIC ACID	10 mg	27.00
	Hydrochloride mp 165-167°C Purity: ≥98%	50 mg	94.70
	An amino acid isolated from the seeds of <i>Cycas Circinalis</i> that is neurotoxic to higher animals. C ₆ H ₁₁ O ₃ N ₂ • HCl MW 155.5	100 mg	159.80
196027 RT	4-AMINO-1,8-NAPHTHALIMIDE	5 mg	21.00
	[1742-95-6] (PARP Inhibitor) Purity: ≥96% Reduces ischemia-reperfusion injury in the heart and skeletal muscles. MW 212.2	25 mg	78.75
195709 -20°C	1,2-bis(o-AMINOPHENOXY)ETHANE- N,N,N',N'-TETRAACETIC ACID TETRAACETOXYMETHYL ESTER	25 mg	136.50
	[126150-97-8] (BAPTA-AM) Purity: >90% A cell permeable derivative of BAPTA widely used as an intracellular calcium sponge. C ₂₄ H ₄₀ N ₂ O ₁₈ MW 764.7		
158861 RT	D-(-)-2-AMINO-4-PHOSPHONO- BUTYRIC ACID	1 mg	30.00
	[78739-01-2] (D-(-)-2-Amino-4-phosphono- butanoic acid; D-AP4) Purity: 99% NMDA antagonist. Ref.: Davies, J. and Watkins, J.C., Brain Res., 235 , 378 (1982). C ₄ H ₁₀ NO ₅ P MW 183.1	5 mg	123.90
158862 RT	L-(+)-2-AMINO-4-PHOSPHONO- BUTYRIC ACID	1 mg	49.30
	[23052-81-5] (L-(+)-2-Amino-4-phosphono- butanoic acid; L-AP4) Purity: 99% NMDA agonist and synaptic depressant. Ref.: 1. Davies, J. and Watkins, J.C., Brain Res., 235 , 378 (1982). 2. Koerner, J.F. and Cotman, C.W., Brain Res., 216 , 192 (1981). C ₄ H ₁₀ NO ₅ P MW 183.1	5 mg	114.80
153641 RT	(±)-2-AMINO-4-PHOSPHONO- BUTYRIC ACID	25 mg	26.10
	[20263-07-4] (DL-2-Amino-4-phosphono- butanoic acid; AP-4) Purity: 99% C ₄ H ₁₀ NO ₅ P MW 183.1	50 mg	46.30
		100 mg	86.75

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872

1152

www.icnbiomed.com
Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$
26023 0-5°C	L-(+)-AMINO-4-PHOSPHONOBUTYRIC ACID, [2,3-³H] (AP 4) Sp. Act. 40-60 Ci/mmol 1.48-2.22 TBq/mmol Ethanol:water (1:1) Shipped in dry ice. Please call for delivery information. MW 183.1	250 µCi 1091.35	159862 RT	2-AMINOPURINE [452-06-2] (2-AP) Purity: 98% Selective protein kinase inhibitor active on p58 PITS/REβ1 (a p34 ^{cdc2} -related protein kinase) which may be used to override multiple cell cycle checkpoints and drug-induced cell cycle blocks. Ref.: 1. Andreassen, P.R. and Margolis, R.L., <i>Proc. Natl. Acad. Sci. USA</i> , 89 , 2272 (1992). 2. Xiang, J., et al., <i>Biochem. Biophys. Res. Commun.</i> , 199 , 1167 (1994). C ₅ H ₄ N ₆ MW 135.1	25 mg 10.10
		1 mCi 2060.45			100 mg 52.95
153640 0-5°C	(±)-2-AMINO-7-PHOSPHOHEPTANOIC ACID [85797-13-3] (AP-7) NMDA antagonist C ₇ H ₁₂ NO ₅ P MW 225.2	2 mg 31.80	150366 RT	4-AMINOPYRIDINE [504-24-5] Purity: ~98% Pink to red crystals C ₅ H ₄ N ₂ MW 94.1	250 mg 109.00
		5 mg 62.20			100 g 52.45
		10 mg 115.70			
158863 RT	D-(-)-2-AMINO-5-PHOSPHOPENTANOIC ACID [79055-68-8] D-(-)-2-Amino-5-phospho- valeric acid; D-AP5 Purity: 99% Active form of AP5, and a competitive NMDA antagonist. Ref.: 1. Watkins, J.C., et al., <i>Ann. Rev. Pharmacol. Toxicol.</i> , 21 , 165 (1981). 2. Hansen, J.J. and Krosggaard-Larsen, P., <i>Med. Res. Rev.</i> , 10 , 55 (1990). C ₅ H ₁₂ NO ₅ P MW 197.1	1 mg 49.30	154198 0-5°C	9-AMINO-1,2,3,4-TETRAHYDROACRIDINE [1684-40-8] (Tacrine HCl; THA) Hydrochloride Hydrate Purity: ≥98% A potent centrally acting anticholinesterase for therapy of memory deficits in patients with Alzheimer's disease. THA also selectively blocks potassium channels in the central nervous system, which results in an increased release of acetylcholine and a prolongation of the action potential of the presynaptic cholinergic neurons. C ₁₃ H ₁₄ N ₂ • HCl • H ₂ O MW 252.7	1 g 16.15
		5 mg 131.90			5 g 72.00
158864 RT	L-(+)-2-AMINO-5-PHOSPHOPENTANOIC ACID [79055-67-7] L-(+)-2-Amino-5-phospho- valeric acid; L-AP5 Purity: 99% Less active form than AP5. Ref.: 1. Watkins, J.C., et al., <i>Ann. Rev. Pharmacol. Toxicol.</i> , 21 , 165 (1981). 2. Hansen, J.J. and Krosggaard-Larsen, P., <i>Med. Res. Rev.</i> , 10 , 55 (1990). C ₅ H ₁₂ NO ₅ P MW 197.1	1 mg 36.40	150370 RT	5-AMINOVALERIC ACID [627-95-2] Crystalline Hydrochloride A weak GABA _B receptor antagonist. C ₅ H ₁₁ NO ₂ • HCl MW 153.6	5 g 27.95
		5 mg 131.90			25 g 84.65
153639 RT	(±)-2-AMINO-5-PHOSPHOPENTANOIC ACID [76326-31-3] (AP-5; DL-2-Amino-5-phospho- valeric acid) Potent NMDA antagonist C ₅ H ₁₂ NO ₅ P MW 197.04	2 mg 23.15	153535 RT	AMIODARONE [1951-25-3] (2-Butyl-3-benzofuranyl)-[4-(2-(diethylamino)ethoxy)-3,5-diiodo-phenyl]-methanone hydrochloride) Hydrochloride C ₂₂ H ₂₉ I ₂ NO ₃ • HCl MW 681.8	250 mg 21.50
		5 mg 30.00			1 g 70.85
		10 mg 51.00			
26054 0-5°C	D-(-)-AMINO-5-PHOSPHOPENTANOIC ACID, [4,5-³H] (AP 5) Sp. Act. 20-40 Ci/mmol 0.74-1.48 TBq/mmol Ethanol:water (1:1) Shipped in dry ice. Please call for delivery information. MW 197.13	250 µCi 842.85	193612 RT	AMOXAPINE [14028-44-5] (2-Chloro-11-(1-piperazinyl)- dibenz[<i>b,f</i>]1,4)oxazepine) Inhibitor of norepinephrine uptake in neurons. C ₁₇ H ₁₈ N ₃ OCl MW 313.8	100 mg 15.45
		1 mCi 1758.50			500 mg 63.95
159720 RT	N-(3-AMINOPROPYL)-CYCLOHEXANAMINE Dihydrochloride Inhibitor of spermine and spermidine synthases. Ref.: Chu, et al., <i>Eur. J. Pharm.</i> , 256 , 155 (1994). C ₉ H ₂₂ N ₂ • 2HCl MW 229.2	1 mg 13.75	159014 RT	2-(p-AMYL CINNAMOYL)AMINO-4-CHLORO BENZOIC ACID (ONO-RS-082) Purity: 98% Blocks PL _{A2} in human platelets which inhibits epinephrine-stimulated thromboxane production. Ref.: Banga, H.S., et al., <i>Proc. Natl. Acad. Sci. USA</i> , 83 , 9197 (1986). MW 371.9	20 mg 91.70
		5 mg 42.40			50 mg 212.10
		25 mg 169.70		100 mg 401.30	

Neuroscience

One call. One source.
A world of biomedical products.

1153

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872



Neuroscience Products

CATALOG
NUMBER

U.S. \$

CATALOG
NUMBER

U.S. \$

159020
RT
N-(p-AMYL CINNAMOYL)-
ANTHRANILIC ACID
[110683-10-8]
(ACA)
Purity: 99%
A close structural analog to ono-rs-082 which is a less potent PL_{A2} inhibitor. Also demonstrates some leukotriene antagonistic activity.
Ref.: 1. Banga, H.S., et al., Proc. Natl. Acad. Sci. USA, **83**, 9197 (1986). 2. Nakai, H., et al., J. Med. Chem., **21**, 78 (1986). MW 337.4

50 mg 74.55
100 mg 131.90
250 mg 298.10

691542
-20°C
ANNEXIN I
MONOCLONAL ANTIBODY
(anti-Lipocortin I; anti-Calpactin II; anti-Chromobindin 9; anti-p35)
Anti-Human
Clone: II-29
Isotype: mouse IgG;
Conc/Titer: 1:5,000
Applications: Immunoblotting; ELISA; Immunohistochemistry
This antibody reacts strongly with annexin I from human or bovine tissue and does not cross-react with other annexins or other proteins in a total lysate of human fibroblasts as determined by Western Blot. It is packaged at a concentration of 1 mg/ml in 50% glycerol, 5 mM TRIS, pH 8.2, 25 mM NaCl, and 1.5 mM sodium azide.
Purity: >95%
The hybridoma was elicited to annexin I purified from bovine lung.
Ref.: 1. Creutz, C.E., et al., J. Biol. Chem., **262**, 1860 (1987).
2. Zokas, L. and Glenney, J.R., J. Cell. Biol., **105**, 2111 (1987).

50 µg 396.90

159873
-20°C
(+)-ANATOXIN A
[64314-16-5]
(2-Acetyl-9-azabicyclo-
[4.2.1]non-2-ene HCl)
From *Anabaena flos-aquae*
Hydrochloride
Purity: 99%
Potent neuronal nicotinic acetylcholine receptor agonist. At high concentrations, it desensitizes the receptor, blocks neuromuscular transmission, and blocks the AChR ion channel.
Ref.: 1. Thomas, P., et al., J. Neurochem., **60**, 2308 (1993).
2. Swanson, K.L., et al., Mol. Pharmacol., **29**, 250 (1986).
3. Kofuji, P., et al., J. Pharmacol. Exp. Ther., **252**, 517 (1990).
C₁₀H₁₃NO • HCl MW 201.5

250 µg 133.00

691552
-20°C
ANNEXIN II
MONOCLONAL ANTIBODY
(Anti-Lipocortin II; anti-Calpactin I; anti-p36; anti-Chromobindin 8; anti-Protein I; anti-PAP IV)
Anti-Bovine
Clone: CPI-50
Isotype: mouse IgG;
Conc/Titer: 1:5,000
Applications: Immunoblotting; ELISA; Immunohistochemistry
This antibody reacts strongly with annexin II from human or bovine tissues and does not cross-react with other annexins or other proteins in a total lysate of human fibroblasts as determined by Western Blot. It is packaged at a concentration of 1 mg/ml in 50% glycerol, 5 mM TRIS, pH 8.2, 25 mM NaCl, and 1.5 mM sodium azide.
Purity: >95%
The hybridoma was elicited to annexin II from bovine lung.

50 µg 391.40

158866
0°C
6-ANILINO-5,8-QUINOLINEDIONE
[91300-60-6]
(LY 83583)
Purity: 97%
Inhibits nitric oxide induced activation of soluble guanylate cyclase. Also enhances contractile responses of rat aorta and artery to α-adrenoreceptor agonists. Blocks leukotriene releases and acetylcholine induced relaxation. Reduces platelet-endothelial cell adhesion.
Ref.: 1. Mulsch, A., et al., Naunyn-Schmiedeberg's Arch. Pharmacol., **340**, 49 (1989). 2. Macleod, K.M., et al., Mol. Pharmacol., **32**, 59 (1987). 3. Fleisch, J.H., et al., J. Pharmacol. Exp. Ther., **229**, 681 (1984).
C₁₅H₁₀N₂O₂ MW 250.3

10 mg 93.50
25 mg 214.30
50 mg 413.00

ANNEXIN II, Light Chain
MONOCLONAL ANTIBODY
Anti-Human
Clone: LC148
Isotype: mouse IgG;
Conc/Titer: 1:5,000
Applications: Immunoblotting; ELISA; Immunohistochemistry
This is an 11 kDa light chain of annexin II, usually found tightly associated to annexin II (ICN Code No. 69-155-2). Annexin II is a structurally unique member of the annexins family because of this light chain. The other known annexins are monomeric, while annexin II is a heterotetramer consisting of two subunits of each type.
The antibody is packaged at a concentration of 1 mg/ml in 50% glycerol, 5 mM TRIS, pH 8.2, 25 mM NaCl, and 1.5 mM sodium azide.

50 µg 275.60

691582

100 µg 452.00

691581

193613
RT
ANIRACETAM
[72432-10-1]
(Ro 13-5057;
1-(4-Methoxybenzoyl)-2-pyrrolidinone)
Reported to increase ion conductance through AMPA receptors, and also involve the cholinergic system.
Ref.: Toide, Arch. Int. Pharmacodyn., **298**, 25 (1989).
C₁₂H₁₃NO₃ MW 219.2

10 mg 30.00
25 mg 49.90

159881
-20°C
ANISOMYCIN
[22862-76-6]
[2-[p-Methoxybenzyl]-3,4-pyrrolidinediol 3-acetate)
From *Streptomyces griseolus*
Purity: 97%
Activates a restricted subset of kinases currently only identified by p54 and MAP kinase. Study aid for cytoplasmic signals resulting in nuclear signaling and induction of *c-fos* and *c-jun*.
Ref.: 1. Kavdal, E., et al., Mol. Cell. Biol., **14**, 1066 (1994).
C₁₇H₁₉NO₄ MW 265.3

10 mg 29.00
25 mg 59.60
50 mg 90.00

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872

1154

www.icnbiomed.com
Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$		
691561 -20°C	ANNEXIN IV MONOCLONAL ANTIBODY (Anti-Calelectrin 32.5 kDa; anti-endoxin I; anti-Protein II; anti-Lipocortin IV; anti-Chromobindin IV; anti-PAP-IV; anti-PP4-X; anti-Calcimedlin 35β) Anti-Human Clone: CP111-16 Isotype: mouse IgG ₁ Conc/Titer: 1:5,000 Applications: Immunoblotting; ELISA; Immunohistochemistry This antibody reacts strongly with annexin IV from human or bovine tissues and does not cross-react with other annexins or other proteins in a total lysate of human fibroblasts as determined by Western Blot. It is packaged at a concentration of 1 mg/ml in 50% glycerol, 5 mM TRIS, pH8.2, 25 mM NaCl, and 1.5 mM sodium azide. Purity: ≥95% Ref.: 1. Creutz, C.E., et al., <i>J. Biol. Chem.</i> , 262, 1860 (1987). 2. Crompton, M.R., et al., <i>Cell</i> , 55, 1 (1988).	100 µg	282.90	152843 -20°C	ANTIPAIN [37691-11-5] [(S)-1-Carboxy-2-phenylethyl]- carbamoyl-Arg-Val-Arg-al Source/Species: Microbial Inhibitor for trypsin, papain, and cathepsins A and B. Ref: 1. Suda, H., et al., <i>J. Antibiot.</i> , 25, 263 (1972); 2. Umezawa, H., et al., <i>J. Antibiot.</i> , 25, 267 (1972); 3. Ikezawa, H., et al., <i>J.</i> <i>Antibiot.</i> , 25, 738 (1972). C ₂₇ H ₄₄ N ₁₀ O ₆ MW 604.7	1 mg 5 mg 25 mg	13.75 45.00 160.00
	ANNEXIN VI MONOCLONAL ANTIBODY (Anti-Calelectrin 67 kDa; anti-Lipocortin VI; anti-Protein III; anti-Chromobindin 20; anti-Calcimedlin 67 kDa; anti-Calphobindin II; anti-p68; anti-p70) Anti-Human Clone: 73-5-4 Isotype: mouse IgG ₁ Conc/Titer: 1:5,000 Applications: Immunoblotting; ELISA; Immunohistochemistry This antibody reacts strongly with annexin VI from human or bovine tissues and does not cross-react with other annexins or other proteins in a total lysate of human fibroblasts as determined by Western Blot. It is packaged at a concentration of 1 mg/ml in 50% glycerol, 5 mM TRIS, pH8.2, 25 mM NaCl, and 1.5 mM sodium azide. Purity: ≥95% The hybridoma was elicited to annexin VI purified from human placenta.			198585 -20°C	ANTIPAIN [37682-72-7] [(S)-1-Carboxy-2-phenylethyl]- carbamoyl-Arg-Val-Arg-al Hydrochloride Source/Species: Microbial Inhibitor for trypsin, papain, and cathepsins A and B. Ref: 1. Suda, H., et al., <i>J. Antibiot.</i> , 25, 263 (1972); 2. Umezawa, H., et al., <i>J. Antibiot.</i> , 25, 267 (1972); 3. Ikezawa, H., et al., <i>J.</i> <i>Antibiot.</i> , 25, 738 (1972). C ₂₇ H ₄₄ N ₁₀ O ₆ • HCl MW 641.2	1 mg 5 mg 25 mg 100 mg	8.50 19.00 47.50 150.00
691572	50 µg	391.40	190153 -20°C		APAMIN [24345-16-2] Bee Venom Research Grade Cys-Asn-Cys-Lys-Ala-Pro-Glu-Thr-Ala-Leu-C ys-Ala-Arg-Cys-Gln-Gln-His-NH ₂ S-S bridge between Cys ₁ -Cys ₁₁ and Cys ₅ -Cys ₁₇ . Ref.: Habermann, E., (1972), <i>Science</i> , 177, 314-22; Gauldie, J., et al., (1976), <i>Eur. J.</i> <i>Biochem.</i> , 61, 369-76. MW 2027.3	0.5 mg 1 mg	75.30 135.65
691571	100 µg	738.65		APHIDICOLIN [38966-21-1] From <i>Nigrospora sphaerica</i> Purity: 98% Inhibits the early S-phase of the cell cycle. DNA polymerase α and δ reversible inhibitor. Ref.: 1. Levenson, V. and Hamlin, J.L., <i>Nucleic Acids Res.</i> , 21, 3997 (1994). 2. O'Dwyer, P.J., et al., <i>Cancer Res.</i> , 54, 724 (1994). C ₂₃ H ₃₀ O ₄ MW 338.5	1 mg 5 mg 10 mg	56.45 223.65 403.05	
158867 -20°C	ANTHRYL METHYL OKADAATE [157606-35-4] Purity: ≥98% (HPLC) A fluorescent derivative of okadaic acid used as a standard in okadaic acid analysis. Ref.: Lee, J.S., et al., <i>Agric. Biol. Chem.</i> , 51, 877 (1987). C ₅₉ H ₇₆ O ₁₃ MW 995.3	10 µg 25 µg 50 µg 100 µg	54.45 108.95 194.95 349.70	159883 -20°C	R(-)-APOCODEINE [641-36-1] (R)-(-)-10-methoxy-11-hydroxyaporphine) Hydrochloride Dopamine receptor agonist. Off-white, photosensitive solid; mp 260-264°C. Store tightly sealed at 4 °C, away from light. Soluble in water; soluble in alcohol. C ₁₈ H ₁₈ NO ₂ • HCl MW 317.7	1 mg 50 mg 100 mg	45.50 74.40 131.00
152328 0-5°C	ANTIBIOTIC A23187 [52665-69-7] (Calcium Ionophore A23187) Free Acid White crystalline solid. Antibiotic A23187 is an antibiotic which demonstrates weak <i>in vitro</i> activity against gram-positive bacteria and fungi. It also has the ability to form stable complexes with divalent cations, increasing their ability to cross biological membranes, thus giving A23187 properties as an ionophore. Its U.V. and fluorescence spectral properties allow this calcium ionophore to be useful as a cytoplasmic free calcium ion probe. A23187 does exhibit toxicity and is a potential health hazard, so caution should be used when handling, in accordance with normal procedures for handling toxic compounds. C ₂₃ H ₃₁ N ₃ O ₆ MW 523.6	1 mg 5 mg 10 mg	20.85 52.50 83.25	153635 0-5°C	R(-)-APOMORPHINE [314-19-2] (-)-APO HCl; R(-)-10,11-dihydroxyaporphine) Hydrochloride Dopamine receptor agonist. C ₁₇ H ₁₇ NO ₂ • HCl MW 303.7	25 mg 50 mg 100 mg	11.55 17.35 28.85
152329 0-5°C	ANTIBIOTIC A23187 Mixed Calcium-Magnesium Salt C ₂₃ H ₃₁ N ₃ O ₆ MW 523.6 (free acid)	1 mg 5 mg 10 mg	17.15 44.20 80.40	153633 -20°C	S(+)-APOMORPHINE [41035-30-7] S(+)-10,11-dihydroxyaporphine) Hydrochloride Dopamine receptor antagonist (inactive as an agonist). C ₁₇ H ₁₇ NO ₂ • HCl MW 303.7	1 mg 2 mg 5 mg	67.60 112.35 246.55

Neuroscience

One call. One source.
A world of biomedical products.

1155

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872



CATALOG
NUMBER

Neuroscience Products

U.S. \$

CATALOG
NUMBER

U.S. \$

190382 0-5°C	APROTININ [9087-70-1] From Bovine Lung Analytical Grade Lyophilized white powder Activity: Approx. 6000 Kallikrein-inhibitor-units per mg (KIU). Unit Definition: One KIU (Kallikrein Inactivating Unit) is identical to the quantity of protease inhibitor that has the ability to inhibit 2 Kallikrein units by 50% under optimal conditions. Ref.: Kunitz, M. and Northrup, J.H., Gen. Physiol., 19, 991 (1966) MW ~ 6500	10 mg	50.65	194626 RT	L-ARGININE [74-79-3] Cell Culture Reagent Free Base Purity: 99% C ₆ H ₁₄ N ₄ O ₂ MW 174.2	25 g	7.90
		50 mg	139.05			100 g	21.30
191158 0-5°C	APROTININ [9087-70-1] From Bovine Lung Lyophilized white powder Activity: 3-4 Inhibitor units/mg of dry weight. One Inhibitor unit = 1500 KIU.	1 mg	9.15	159019 RT	ARISTOLOCHIC ACID [313-67-7] From Aristolochiaceae Purity: 97% 1:1 mixture of aristolochic acids I and II. A phenanthrene carboxylic acid derivative which irreversibly blocks phospholipase A ₂ from various sources. Ref.: 1. Vishwanath, B.S., et al., Toxicon, 25, 501, 929, 939 (1987). 2. Vishwanath, B.S., et al., Inflammation, 12, 549 (1988). 3. Rosenthal, M.D., et al., Biochem. Biophys. Acta, 1001, 3 (1989). MW 341.3	50 mg	40.00
		5 mg	27.70			100 mg	75.40
194559 0-5°C	APROTININ [9087-70-1] Cell Culture Reagent From Bovine Lung Lyophilized white powder Activity: 3-4 Inhibitor units/mg of dry weight. One Inhibitor unit = 1500 KIU.	10 mg	57.30	159018 RT	ARISTOLOCHIC ACID Sodium Salt Purity: 97% 1:1 mixture of aristolochic acid I and aristolochic acid II. MW 363.2	50 mg	35.00
		25 mg	130.70			100 mg	65.00
150384 0°C	ARACHIDONIC ACID [506-32-1] Purity: ≥98% Clear, colorless liquid which may develop a yellowish cast. Activates protein kinase C C ₂₀ H ₃₂ O ₂ MW 304.5	10 mg	13.30	159886 RT	ASTEMIZOLE [68844-77-9] (1)-[4-(4-Fluorophenyl)methyl]-N-1-[2-(4-methoxyphenyl)ethyl]-4-piperidinyl]-1H-benzimidazole-2-amine) Purity: 99% Selective antagonist for the histamine H ₁ receptor. Ref.: 1. Laduron, P.M., et al., Mol. Pharmacol., 21, 294 (1982). 2. Richards, D.M., et al., Drugs, 28, 38 (1984). C ₂₂ H ₃₁ FN ₃ O MW 458.6	100 mg	18.00
		50 mg	36.60			500 mg	70.00
194625 0°C	ARACHIDONIC ACID [506-32-1] Cell Culture Reagent Purity: 99% Clear, colorless liquid which may develop a yellowish cast. C ₂₀ H ₃₂ O ₂ MW 304.5	100 mg	58.80	153961 RT	AURANOFIN (S-Triethylphosphine gold(II)-2,3,4,6-tetra-O-acetyl-1-thio-β-D-glucopyranoside) MW 678.27	1 g	124.00
		500 mg	112.00			100 mg	49.20
159884 -20°C	ARACHIDONIC ACID TRIFLUOROMETHYLKETONE [149301-79-1] (AACOCF ₃) Purity: 98% Arachidonic acid analog which selectively inhibits human cytosolic phospholipase A ₂ . Ref.: 1. Street, J.P., et al., Biochemistry, 32, 5935 (1993); 2. Bartoli, F., et al., J. Biol. Chem., 269, 15625 (1994). C ₂₂ H ₃₁ OF ₃ MW 356.5	10 mg	17.90	158869 0-5°C	AUSTRALINE [(1R, 2R, 3R, 7S, 7R)-3-hydroxymethyl-1,2,7-trihydroxypyrrolizidine]) Purity: 99% Inhibitor of amyloglucosidase and glucosidase I (more selective over glucosidase II). Ref.: Molyneux, R.J., et al., J. Nat. Prod., 51, 1198 (1988) MW 189	100 mg	49.20
		50 mg	50.10			250 mg	102.40
154794 RT	ARCAINE [36587-93-6] (1,4-Diguanidinobutane) Sulfate Salt Crystalline NMDA antagonist C ₈ H ₁₄ N ₆ MW 270.3	100 mg	82.35	193614 -20°C	AUTOCAMTIDE-2 Lys-Lys-Ala-Leu-Arg-Arg-Gln-Glu-Thr-Val-Ala-p-Ala-Leu Purity: >97% Very selective CAMKII substrate which exhibits no activity towards PKA. Ref.: Hanson, P.I., et al., Neuron, 3, 59 (1989). MW 1526.9	500 μg	55.00
		500 mg	200.30			1 mg	93.60
100728 RT	ARECOLINE [300-08-3] Hydrobromide Crystalline Increases levels of acetylcholine in the brain. C ₈ H ₁₃ NO ₂ • HBr MW 236.1	5 g	18.00	154260 -20°C	(±)-13-AZAPROSTANOIC ACID Purity: 98% Crystalline 13-APA antagonizes the actions of thromboxane A ₂ . Binding to the platelet TXA ₂ /PGH ₂ receptor is stereospecific and reversible. MW 311.5	1 mg	57.00
		10 g	31.00			100 mg	9.00
191238 -20-0°C	D-ARGININE [157-06-2] Free Base C ₆ H ₁₄ N ₄ O ₂ MW 174.20	10 g	17.45	191364 0°C	AZATHIOPRINE [446-86-6] (6-[(1-Methyl-4-nitroimidazol-5-yl)-thio] purine) Crystalline Immunosuppressive and cytostatic agent. C ₉ H ₇ N ₅ O ₂ S MW 277.3	250 mg	14.35
		5 g	103.60			1 g	44.00
100736 RT	L-ARGININE [74-79-3] Free Base Crystalline Purity: 99% C ₆ H ₁₄ N ₄ O ₂ MW 174.2	100 g	17.45	5 g	171.30		

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999 1156
Outside the U.S.: (714) 545-0100, fax (714) 557-4872

www.icnbiomed.com
Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$
153632	(R)-2-AZIDO-N³-p-HYDROXY-PHENYLISOPROPYLADENOSINE 0-5°C [98897-11-1] (R)AHP[A] Photoaffinity ligand for the A ₁ Adenosine receptor. C ₁₉ H ₂₂ N ₆ O ₅ MW 442.4	2 mg 36.15 5 mg 65.10 10 mg 115.70	159795	BENZAMIL [2898-76-2] (Benzylamloride hydrochloride) Hydrochloride Potent Na ⁺ -channel blocker. C ₁₃ H ₁₂ N ₂ OCl • HCl MW 356.2	1 mg 6.95 5 mg 13.00 25 mg 56.50
158870	7-AZIDOKETANSERIN RT (R 63836) Purity: 99% Photoaffinity probe for 5-HT and histamine receptors. Ref.: 1. Wouters, W., et al., FEBS, 182 , 291 (1985). 2. Wouters, W., et al., J. Biol. Chem., 260 , 8423 (1985). MW 436.4	25 mg 321.05 50 mg 584.75	150433	(±)-BENZETIMIDE 0°C (3-phenyl-3-[1-(phenylmethyl)-4-piperidinyl]-2,6-piperidinedione; R4929) Hydrochloride Ref.: (1) Resolution of isomers and pharmacology: van Wijngaarden, Life Sci., 8 , 517 (1969); (2) van Wijngaarden, Soudijn, Life Sci., 7 , 225 (1968).	5 mg 11.75 10 mg 48.10 25 mg 49.90
-B-					
159793	BACCATINE III 0-5°C Starting material for taxol derivatives. Ref.: Wheeler, N.C., J. Natl. Prod., 55 , 432 (1992). C ₃₁ H ₅₀ O ₁₁ MW 586.6	1 mg 21.95 5 mg 73.15 10 mg 135.00	159724	BENZOQUINONIUM DIBROMIDE RT [311-09-1] Nicotinic antagonist that blocks ganglion. C ₃₄ H ₅₂ N ₄ O ₂ Br ₂ MW 706.6	1 mg 21.20 5 mg 84.85 10 mg 155.90
159794	BACCATINE III-7,13-DIACETATE 0-5°C Distinguishes between mammalian and amoebic microtubules. Ref.: Lataste, H., et al., Proc. Natl. Acad. Sci. USA, 81 , 4090 (1984). C ₃₈ H ₄₂ O ₁₃ MW 670.7	5 mg 166.95	151443	BENZOTRIPT RT [39544-74-6] (N-[4-chlorobenzoyl]-L-tryptophan) Selective cholecystokinin antagonist; gastrin receptor antagonist. Ref.: Magous, et al., Regul. Pept., 7 , 233 (1983). C ₁₈ H ₁₈ N ₂ O ₃ Cl MW 342.8	100 mg 122.50 500 mg 340.05
153629	(±)-BACLOFEN RT (±)-β-(Aminoethyl)-4-chlorobenzenepranoic acid White solid; mp 192-193°C. Store tightly sealed. Soluble in water, dilute acid and base. C ₁₀ H ₁₂ NO ₂ Cl MW 213.7	100 mg 11.00 500 mg 16.00	153626	BENZTROPINE MESYLATE RT [132-17-2] (3-(Diphenylmethoxy)-8-methyl-8-azabicyclo[3.2.1]octane methane sulfonate) Crystalline Muscarinic receptor antagonist. C ₂₂ H ₂₆ NO ₄ S MW 403.5	25 mg 10.10 100 mg 28.85
16030	(-)-BACLOFEN, [Butyl-4-¹⁴C(U)] 0-5°C Sp. Act. 50-60 mCi/mmol 1.85-2.22 GBq/mmol Ethanol:water (7:3). <i>Please call for delivery information.</i> p-ClC ₆ H ₄ CH(CH ₂ CO ₂ H)CH ₂ NH ₂ MW 213.67	50 μCi 1308.55	150449	N⁶-BENZYLADENOSINE 0°C [4294-16-0] (6-Benzylaminopurine riboside) Crystalline An A ₁ Adenosine receptor agonist. C ₁₇ H ₁₉ N ₅ O ₄ MW 357.4	100 mg 9.95 250 mg 18.00
26024	(-)-BACLOFEN, [Butyl-4-³H] 0-5°C Sp. Act. 30-60 Ci/mmol 1.11-2.22 TBq/mmol Ethanol:water (7:3). <i>Please call for delivery information.</i> p-ClC ₆ H ₄ CH(CH ₂ CO ₂ H)CH ₂ NH ₂	250 μCi 787.10	N-BENZYL-3,4-DIHYDROXY-α-CYANOCINNAMIDE See: Tyrphostin B42		
159555	BAFILOMYCIN A₁ 0°C [88899-55-2] From <i>Streptomyces griseus</i> Purity: ~90% ATPase inhibitor. C ₃₃ H ₅₈ O ₉ MW 622.8	10 μg 88.90 25 μg 183.45	193615	N⁶-BENZYL-5'-N-ETHYL CARBOXAMIDOADENOSINE 0-5°C (N ⁶ -Benzyl-NECA) An A ₂ Adenosine receptor agonist. Ref.: Gallo-Rodriguez, et al., J. Med. Chem., 37 , 636 (1994). C ₁₉ H ₂₂ N ₆ O ₄ MW 398.4	1 mg 22.05 5 mg 82.70
159067	BAICALIN 0°C [491-67-8] (5,6,7-Trihydroxyflavone) Purity: 98% Specifically inhibits 12-lipoxygenase and leukotriene biosynthesis. Ref.: Kimura, Y., et al., Biochim. Biophys. Acta, 922 , 278 (1987). C ₁₅ H ₁₀ O ₅ MW 270.2	5 mg 33.20 10 mg 60.70 50 mg 255.00	1-BENZYL-1-METHYL-4-CYCLOPENTYLMETHOXY-CARBONYLPYPERIDIUM BROMIDE See: BMCP		
153628	(±)-BAY K 8644 0-5°C [98791-67-4] (1,4-Dihydro-2,6-dimethyl-5-nitro-4-[2-(trifluoromethyl)-phenyl]-3-pyridine-carboxylic acid methyl ester) C ₁₈ H ₁₅ F ₃ N ₂ O ₄ MW 356.3	1 mg 30.00 2 mg 55.00 5 mg 116.50	104861	BENZYLOXYAMINE RT [2687-43-6] (O-Benzylhydroxylamine) Hydrochloride Crystalline Dopamine β-hydroxylase inhibitor. Derivatizing reagent for GLC analysis of ketosteroids. C ₇ H ₉ NO • HCl MW 159.6	1 g 12.65 5 g 30.00 25 g 120.00
154261	BENSERAZIDE -20°C [14919-77-8] Hydrochloride Tan solid C ₁₀ H ₁₃ N ₃ O ₅ • HCl MW 293.7	100 mg 53.00 500 mg 238.00	159893	BENZYLPHOSPHONIC ACID RT [6861-57-8] Purity: 98% Structural mimic of phosphotyrosine. Inhibits bovine heart tyrosine-protein phosphatase. Not cell permeable. Ref.: Zhand, Z.-Y. and Van Etten, R.L., Arch. Biochem. Biophys., 282 , 39 (1990). MW 172.1	50 mg 17.20 100 mg 28.65 500 mg 91.70

Neuroscience

One call. One source.
A world of biomedical products.

1157

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872



Neuroscience Products

CATALOG
NUMBER

U.S. \$

CATALOG
NUMBER

U.S. \$

159894 -20°C	BENZYLPHOSPHONIC ACID-(AM)₂ (Benzylphosphonic acid bis-acetoxymethyl ester) Purity: 98% Cell permeable tyrosine phosphatase inhibitor. MW 316.3	10 mg	103.20
153627 RT	BEPRIDIL [74764-40-2] Hydrochloride A non-selective calcium channel blocker. C ₂₂ H ₃₃ N ₃ O • HCl MW 403	15 mg 25 mg 50 mg	40.00 53.00 94.00
159895 -20°C	E₅ BERBAMINE Purity: 98% A selective and potent cell permeable antagonist of calmodulin. Ref.: Hu, Z.-Y., et al., <i>Biochem. Pharmacol.</i> , 44 , 1543 (1992). MW 757.8	5 mg 10 mg	80.25 137.60
195857 RT	BERBERINE [633-65-6] (Natural Yellow 18; C.I. 75160) Chloride Apoptosis Inhibitor. C ₂₂ H ₁₉ NO ₄ Cl MW 371.8	1 g 5 g 25 g	10.15 20.00 80.00
152844 -20-0°C	BESTATIN [58970-76-6] [(2S,3R)-3-Amino-2-hydroxy-4-phenylbutano-yl]-Leu) Free Acid Inhibitor for aminopeptidase B and leucine aminopeptidase. Ref.: Umezawa, H., et al., <i>J. Antibiot.</i> , 29 , 97 (1976). C ₁₆ H ₂₄ N ₂ O ₄ MW 308.4	1 mg 5 mg 10 mg 25 mg	16.95 50.15 83.60 156.50
193616 RT	BETAXOLOL [63659-19-8] Hydrochloride A selective β ₁ -adrenoceptor antagonist. C ₁₆ H ₂₃ NO ₃ • HCl MW 343.9	5 mg 25 mg	74.95 303.20
198588 RT	BETAXOLOL [63659-19-8] Hydrochloride Monohydrate A selective β ₁ -adrenoceptor antagonist. C ₁₆ H ₂₃ NO ₃ • HCl • H ₂ O MW 352.9	5 mg 25 mg	74.95 303.20
190160 0-5°C	BETHANECHOL CHLORIDE [590-63-6] (Carbamyl-β-methylcholine chloride) Cholinergic receptor agonist C ₂₁ H ₃₄ N ₂ O ₂ Cl MW 196.7	5 g 25 g 100 g	19.85 62.00 201.35
195859 0-5°C	BETULINIC ACID [472-15-1] (3β-Hydroxy-20(29)-lupaene-28-oic acid) Purity: ≥97% Selectively inhibits human melanoma in cell culture and in animal models and demonstrates antitumor properties by inducing apoptosis. Possess anti-HIV properties. C ₃₀ H ₄₈ O ₃ MW 456.7	1 mg 5 mg	39.90 152.25
190789 0°C	(+)-BICUCULLINE [485-49-4] Crystalline GABA blocker. C ₂₂ H ₁₇ NO ₆ MW 367.4	100 mg 250 mg 500 mg 1 g	29.10 57.40 109.45 166.40
158872 0-5°C	(-)-BICUCULLINE METHOBROMIDE [73604-30-5] Purity: 98% GABA _A antagonist. Ref.: Hill, D.R. and Bowery, N.G., <i>Nature</i> , 290 , 149 (1981) C ₂₁ H ₂₃ NO ₆ • Br MW 462.3	25 mg 100 mg 250 mg	25.25 75.00 179.50
159726 0-5°C	(-)-BICUCULLINE METHOCHLORIDE [53552-05-9] A water soluble GABA antagonist. C ₂₁ H ₂₃ NO ₆ Cl MW 417.8	5 mg 10 mg 25 mg	20.00 31.00 65.50

16031 0-5°C	(-)-BICUCULLINE METHYLCHLORIDE, [Methyl-¹⁴C] Sp. Act. 50-60 mCi/mmol 1.85-2.22 GBq/mmol Ethanol under nitrogen Shipped in dry ice. <i>Please call for delivery information.</i> MW 417.8	50 μCi	969.00
26025 0-5°C	(-)-BICUCULLINE METHYLCHLORIDE, [Methyl-³H] Sp. Act. 60-90 Ci/mmol 2.22-3.33 TBq/mmol Ethanol under nitrogen Shipped in dry ice. <i>Please call for delivery information.</i>	250 μCi 1 mCi	726.45 1939.20
158873 -20-0°C	BIOALLETHRIN [22431-63-6] (o-trans-Allethrin) Mixture of isomers Bioallethrin is a Type I pyrethrin and it mimics Type II pyrethrins on the inhibition of calcineurin (protein phosphatase 2B). It is a more potent inhibitor of calcineurin than allethrin and other Type I pyrethrins. C ₁₉ H ₂₆ O ₃ MW 302.42	25 mg 50 mg	36.40 69.20
194137 0-5°C	BISINDOLYLMALEIMIDE I [133052-90-1] [(GF109203X) Purity: 98% Hydrochloride Protein Kinase C inhibitor. Ref.: Davis, P.D., et al., <i>J. Med. Chem.</i> , 35 , 994 (1992). C ₂₃ H ₂₄ N ₄ O ₂ • HCl MW 449.0	250 μg 1 mg	28.60 85.00
194138 0-5°C	BISINDOLYLMALEIMIDE I (GF109203X) Purity: 98% Highly selective Protein Kinase C inhibitor. Ref.: Touleec, D., et al., <i>J. Biol. Chem.</i> , 266 , 15771 (1991). C ₂₃ H ₂₄ N ₄ O ₂ MW 411.5	250 μg 1 mg	66.15 232.00
194139 0-5°C	BISINDOLYLMALEIMIDE II (2-(1-[2-(1-Methylpyrrolidino)ethyl]-1H-indol-3-yl]-3-(1H-indol-3-yl)maleimide) Purity: 95% Potently and selectively inhibits Protein Kinase C. Ref.: Touleec, D., et al., <i>J. Biol. Chem.</i> , 266 , 15771 (1991). C ₂₇ H ₂₈ N ₄ O ₂ MW 438.5	250 μg 1 mg	82.70 216.10
196040 RT	BLANKOPHOR [16470-24-9] (Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[bis(2-hydroxyethyl)amino]-6-[[4-sulfo]phenyl]amino]-1,3,5-triazin-2-yl]amino]-tetrasodium salt]) Purity: ≥90% A highly selective fluorescent probe of β-amyloid and amyloid plaque core protein (AβCP). It does not fade during prolonged exposure to UV blue exciting light. Ref.: Roher, A., et al., <i>Proceed. Nat. Acad. of Sci.</i> , 83 , 2662-2666 (1986).	10 ml 25 ml 100 ml	23.10 51.00 181.00
190307 -20-0°C	BOMBESIN [31362-50-2] (pyroGlu-Gln-Arg-Leu-Gly-Asn-Gln-Trp-Ala-V-al-Gly-His-Leu-Met-NH ₂) A tetradecapeptide that has biological activities in the central nervous system and gastrointestinal tract; also has thermoregulatory effects. Ref.: 1. Bertaccini, G., et al., <i>Br. J. Pharmacol.</i> , 52 , 219 (1974). 2. Erspamer, V., et al., <i>Br. J. Pharmacol.</i> , 52 , 227 (1974). 3. Rivier, J.E. and Brown, M.R., <i>Biochemistry</i> , 17 , 1776 (1978). C ₇₁ H ₁₁₀ N ₂₀ O ₁₈ S MW 1619.9	1 mg 5 mg	61.00 266.00

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999 1158
Outside the U.S.: (714) 545-0100, fax (714) 557-4872www.icnbiomed.com
Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$
154608 0°C	BOROGLYCINE (Ammonia-carboxyborane)	5 mg 198.50 15 mg 407.35	158877 -20-0°C	8-BROMOADENOSINE-3',5'-cyclic-MONOPHOSPHATE [76399-46-3] Sodium Salt Purity: 98% cAMP analog more resistant to phosphodiesterases than cAMP. Activates cAMP-dependent protein kinase. Ref.: 1. Meyer, R.B. and Miller, J.P., <i>Life Sci.</i> , 14 , 1019 (1974). 2. Hei, Y.-J., et al., <i>Mol. Pharmacol.</i> , 39 , 223 (1991). 3. Sandberg, M., et al., <i>Biochem. J.</i> , 279 , 521 (1991). C ₁₀ H ₁₀ BrN ₅ O ₈ PNa MW 430.1	10 mg 40.00 25 mg 75.00 50 mg 145.00 100 mg 276.00
	Purity: >97% Potent hypocholesterolemic agent. β-Hydroxy-β-methylglutaryl-CoA reductase inhibitor. Ref.: I.H. Hall, M.K. Das, F. Harchelroad, Jr., P. Wisian-Neilson, A.T. McPhail and B.F. Spielvogel, <i>J. Pharm. Sci.</i> 70 , 339 (1981). BCH ₃ NO ₂ MW 74.88				
154609 0°C	BOROSARCOSINE (Boromethylglycine, methylamine-carboxyborane)	5 mg 198.50 15 mg 407.35	159729 -20-0°C	BROMOBIMANE [71418-44-5] Substrate for glutathionetransferase and fluorescent labeling reagent for Thiols. C ₁₀ H ₁₁ N ₂ O ₂ Br MW 271.1	5 mg 21.00 25 mg 80.50
	Purity: >97% Dihydrofolate reductase inhibitor, DNA polymerase inhibitor. Ref.: I.H. Hall, C.J. Gilbert, A.T. McPhail, K.W. Morse, K. Hassett and B.F. Spielvogel, <i>J. Pharm. Sci.</i> , 74 , 755 (1985). BC ₂ H ₈ NO ₂ MW 88.9				
193950 -20°C	BRAIN DERIVED NEUROTROPHIC FACTOR (BDNF) Human, Recombinant Purity: >95% Produced in <i>E. coli</i> A neurotrophin which promotes sensory ganglions and motor neurons survival and differentiation. MW ~28 kDa	5 µg 180.50	158878 0°C	N-[2-(p-BROMOCINNAMYL-AMINO)ETHYL]-5-ISO-QUINOLINESULFONAMIDE [127243-85-0] (H-89) Dihydrochloride Purity: 99% Specific and potent inhibitor of PKA. Ref.: Nishizuka, Y., <i>Science</i> , 233 , 305 (1986). MW 519.2	5 mg 68.75 10 mg 131.90 25 mg 313.00
159027 -20°C	BREFELDIN A [20350-15-6] (γ,4-Dihydroxy-2-[6-hydroxy-1-heptenyl]-4-cyclopentanecarboxylic acid λ-lactone; BFA) Purity: 98% Blocks binding of the cytosolic coat protein β-COP and ARF to Golgi membranes mediated by protein G. Also blocks protein transportation into post-Golgi compartments. Ref.: 1. Donaldson, J.G., et al., <i>Science</i> , 254 , 1197 (1991). 2. Donaldson, J.G., et al., <i>J. Cell. Biol.</i> , 112 , 579 (1991). 3. Orci, L., et al. <i>Cell</i> , 64 , 1183 (1991). 4. Lippincott-Schwartz, J., et al., <i>ibid.</i> , 60 , 821 (1990). C ₁₈ H ₂₄ O ₄ MW 280.4	5 mg 67.80 25 mg 268.15	153758 0-5°C	(+)-BROMOCRIPTINE MESYLATE [22260-51-1] (2-Bromo-12'-hydroxy-2'-(1-methylethyl)-5'-(2-methyl-propyl)ergotaman-3',6',18-trione methanesulfonate) Methanesulfonate Salt C ₃₃ H ₄₀ N ₅ O ₅ Br • CH ₃ SO ₃ MW 750.7	10 mg 19.10 25 mg 27.10 100 mg 72.50
26026 0-5°C	BREFELDIN A, [³H] Sp. Act. 15-30 Ci/mmol 0.555-1.11 TBq/mmol Ethanol Please call for delivery information. MW 280.37	250 µCi Enquire	158879 0-5°C	6-BROMO-4-CYCLOHEXENE-1,2,3-TRIOL [42014-74-4] (6-Bromo-3,4,5-trihydroxycyclohex-1-ene; Bromoconduritol) Purity: 99% Mixed isomers Inhibitor of mammalian α-glucosidase II over α-glucosidase I. Ref.: Datema, R., et al., <i>Proc. Natl. Acad. Sci. USA</i> , 79 , 6787 (1982). C ₆ H ₉ BrO ₃ MW 209	1 mg 11.00 5 mg 48.70
195711 -20-0°C	BREVETOXIN PbTx-1 [98112-41-5] From <i>Ptychodiscus brevis</i> Purity: >95% Voltage-dependent sodium channel activator. CAUTION! HIGHLY TOXIC! MW 866.6	100 µg 382.00	158880 -20-0°C	8-BROMOGUANOSINE-3',5'-cyclic-MONOPHOSPHATE [51116-01-9] (8-Bromo-cGMP) Sodium Salt Purity: 96% Activates cGMP-dependent protein kinase. Inhibitor of thrombin induced arachidonic acid release in human platelets. Ref.: 1. Meyer, R.B. and Miller, J.P., <i>Life Sci.</i> , 14 , 1019 (1974). 2. Francis, S.G., et al., <i>ibid.</i> , 34 , 506 (1988). 3. Schultz, K.D., et al., <i>Naunyn-Schmiedeberg's Arch. Pharmacol.</i> , 306 , 1 (1979). 4. Sane, D.C., et al., <i>Biochem. Biophys. Res. Commun.</i> , 165 , 708 (1989). C ₁₀ H ₁₁ BrN ₅ O ₈ PNa MW 446.1	5 mg 21.90 10 mg 37.80 25 mg 87.00
158876 -20-0°C	BREVETOXIN PbTx-9 From <i>Ptychodiscus brevis</i> Purity: >95% Cyclic polyether which causes contractile paralysis in animal models. Do not use DMSO as a solvent. MW 898.6	10 µg 116.00 25 µg 290.00 50 µg 504.00	193617 RT	(RS)-4-BROMOHOMOIBOTENIC ACID [71366-32-0] A potent AMPA receptor agonist. Unlike AMPA, it also shows affinity for CaCl ₂ -dependent L-glutamate binding sites. Ref.: Chung, et al., <i>J. Neurochem.</i> , 63 , 133 (1994). C ₈ H ₁₁ N ₂ O ₄ Br MW 251.0	1 mg 24.25 5 mg 97.00 10 mg 187.40
153759 0°C	BROMOACETYL ALPRENOLOL MENTHANE [76298-90-3] A β-adrenergic antagonist C ₂₂ H ₃₃ BrN ₂ O ₃ MW 481.5	15 mg 40.55 25 mg 72.25 50 mg 137.45			

Neuroscience

One call. One source.
A world of biomedical products.

1159

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872



Neuroscience Products

CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$
193620	3-BROMO-7-NITROINDAZOLE [74209-34-0] Purity: ≥97% More potent inhibitor of nitric oxide synthase (NOS) than 7-nitroindazole. C ₇ H ₄ N ₂ O ₂ Br MW 242.0	10 mg 52.25 25 mg 76.00	153760	BUPROPION [31677-93-7] (±)-1-(3-Chlorophenyl)-2-[(1,1-dimethylethylamino)-1-propanone hydrochloride] Hydrochloride Dopamine uptake inhibitor C ₁₃ H ₁₈ NOCl • HCl MW 276.2	15 mg 27.10 25 mg 38.10 50 mg 70.75
152407	(+)-p-BROMOTETRAMISOLE [71461-24-0] (+)-6-(4-bromophenyl)-2,3,5,6-tetrahydroimidazo[2,1-b]thiazole ethanediolate) Oxalate Salt Purity: 99% An alkaline phosphate inhibitor. Shown to exhibit slightly less potent inhibition than (-)-p-Bromotetramisole make the dextro (+) form ideal for internal control applications. C ₁₁ H ₁₁ BrN ₂ S • C ₂ H ₂ O ₄ MW 373.2	25 mg 61.00 100 mg 224.00	154905	BUSPIRONE [33386-08-2] (N-[4-(4-[2-Pyrimidinyl]-1-piperazinyl)butyl]-8-azaspiro[4, 5]decane-7, 9-dione) Hydrochloride A 5-HT _{1A} Serotonin receptor agonist C ₂₂ H ₃₁ N ₅ O ₂ • HCl MW 422	1 g 35.00 5 g 154.00
152408	(-)-p-BROMOTETRAMISOLE [62284-79-1] (-)-6-(4-bromophenyl)-2,3,5,6-tetrahydroimidazo[2,1-b]thiazole ethanediolate; R 30402) Oxalate Salt Purity: 99% A potent alkaline phosphate inhibitor. (-)-p-Bromotetramisole has been shown to function more effectively in the quantitative determination of intestinal and placental isoenzymes of alkaline phosphatase in human serum than the more commonly used L-phenylalanine. C ₁₁ H ₁₁ BrN ₂ S • C ₂ H ₂ O ₄ MW 373.2	25 mg 71.30 100 mg 177.95	153623	(+)-BUTACLAMOL Hydrochloride D ₁ /D ₂ Dopamine antagonist C ₂₂ H ₃₁ NO • HCl MW 398	5 mg 34.40 25 mg 150.00 50 mg 285.00
159558	BRYOSTATIN 1 [83314-1-6] Activates Protein Kinase C. C ₄₇ H ₆₆ O ₁₆ MW 887.0	10 µg 156.00	158881	4-(3-BUTOXY-4-METHOXYBENZYL)-2-IMIDAZOLIDINONE [29925-17-5] (Ro 201724) Purity: 99% Strong inhibitor of cAMP specific phosphodiesterase. Use in cell culture has been demonstrated with a blood brain barrier model. Ref.: 1. Sheppard, H., et al., Adv. Cyclic Nucleotide Res., 1, 103 (1972). 2. Reeves, M.L., et al., Biochem. J., 241, 535 (1987). 3. Katano, y. and Endoh, M., Biochem. Biophys. Res. Commun., 167, 123 (1990). 4. Rubin, L.L., et al., J. Cell Biol., 115, 1725 (1991). C ₁₅ H ₂₂ N ₂ O ₃ MW 278.4	100 mg 43.00 500 mg 172.35
159559	BRYOSTATIN 2 [87745-28-6] Binds to and activates Protein Kinase C.	25 µg 395.00	153550	t-BUTYL-BICYCLO[2.2.2]PHOSPHOROTHIONATE [70636-86-1] (TBPS) A GABA _A receptor antagonist, and chloride channel blocker C ₉ H ₁₃ O ₃ PS MW 222.4	1 mg 108.45 2 mg 185.00
154475	BUCCALIN [116844-51-0] (Modulatory Neuropeptide) H ₂ N-Gly-Met-Asp-Ser-Leu-Ala-Phe-Ser-Gly-Gly-Leu-NH ₂ Ref.: Cropper, E.C., et al., (1988), PNAS, 85, 6177 MW 1053.3	1 mg 72.25 5 mg 289.20	193743	3-tert-BUTYL-5-METHOXY-1,2-QUINONE [2940-63-8] Cytotoxic agent to P388 and KB cells. Ref.: Lam, L.K.T., J. Pharm. Sci., 77, 393-5 (1988). C ₁₁ H ₁₃ O ₃ MW 194.3	10 mg 29.00 25 mg 65.00 50 mg 121.00
153761	(+)-BULBOCAPNINE [632-47-3] Hydrochloride Dopamine antagonist C ₁₉ H ₁₉ NO ₄ • HCl MW 361.8	05 mg 25.00 10 mg 48.00	195601	BUTYROLACTONE I (α-oxo-β(p-Hydroxyphenyl)-γ(p-hydroxy-m-3,3-dimethylallylbenzyl)-γ-methoxycarbonyl-γ-butyrlactone) Purity: >99% A selective inhibitor of cdk2 and cdc2 kinase. DO NOT STERILIZE. C ₂₂ H ₂₄ O ₇ MW 424	1 mg 126.80 5 mg 527.00
153762	(+)-BULBOCAPNINE [298-45-3] Dopamine antagonist C ₁₉ H ₁₉ NO ₄ MW 325.3	10 mg 63.00 15 mg 89.25 25 mg 144.60	-C-		
154263	BUMETANIDE [28395-03-1] White micronized solid Purity: 99% An inhibitor of sodium and potassium cotransport. C ₁₇ H ₂₀ N ₂ O ₅ S MW 364	250 mg 16.20 1 g 46.30 5 g 194.75	195680	C3 EXOENZYME From <i>Clostridium botulinum</i> Lyophilized Useful for Rho and related protein function analysis including lymphocyte-mediated cytotoxicity, cell motility and thrombin-induced platelet aggregation. It selectively ADP-ribosylates G proteins of low molecular weight.	10 µg 262.50
193621	α-BUNGAROTOXIN [11032-79-4] A neurotoxin that irreversibly binds to post-synaptic cholinergic receptors, producing neuromuscular blockade and skeletal muscle paralysis. Useful as a probe for acetylcholine receptors. Isolated from <i>Bungarus multicinctus</i> snake venom. Ref.: Mebs, et al., Biochem. Biophys. Res. Comm., 44, 711 (1971). MW 7907.2	500 µg 62.10 1 mg 116.50	193745	CAFESTOL [469-83-0] From Coffee Beans A natural extract which induces glutathione S-transferase. Ref.: Lam, L.K.T., et al., Cancer Res., 42, 1193-98 (1982). C ₂₀ H ₃₂ O ₃ MW 316.4	10 mg 30.85 25 mg 63.95 50 mg 111.35 100 mg 192.95

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999 1160
Outside the U.S.: (714) 545-0100, fax (714) 557-4872

www.icnbiomed.com
Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$
193747	CAFESTOL PALMITATE [81760-46-5] 0-5°C	10 mg 32.00 25 mg 70.00 50 mg 135.00 100 mg 250.00			
	A naturally occurring ester present in green coffee beans. Ref.: Lam, L.K.T., et al., Cancer Res., 42, 1193-98 (1982). C ₃₈ H ₅₈ O ₄ MW 554.4				
104797	CAFFEIC ACID [331-39-5] RT	1 g 7.40 5 g 18.00 25 g 62.15			
	(3,4-Dihydroxycinnamic acid) Yellowish-brown crystals C ₉ H ₈ O ₄ MW 180.2				
195860	CAFFEIC ACID PHENETHYL ESTER [104594-70-9] -20°C	1 mg 10.50 5 mg 40.85			
	(CAPE) Purity: ≥97% Active component of propolis from honeybee hives. Possesses anti-viral, anti-inflammatory and immunomodulatory properties. Inhibits growth of several types of transformed cells and induces apoptosis in cloned rat embryo fibroblast (CREF) cells. C ₁₇ H ₁₆ O ₄ MW 284.3				
101194	CAFFEINE [58-08-2] RT	100 g 8.15 250 g 17.50 500 g 29.80 1 kg 49.65			
	(1,3,7-Trimethylxanthine) Monohydrate Protects against virus induction and chemical carcinogenesis. Ref.: Rothwell, K., (1974), Nature, 252, 69-70; Yosh-Kura, H., (1974), Nature, 252, 71. C ₈ H ₁₀ N ₄ O ₂ • H ₂ O MW 212.2				
150114	CAFFEINE [58-08-2] RT	100 g 13.95 250 g 27.90 500 g 46.50 1 kg 77.40			
	(1,3,7-Trimethylxanthine) Anhydrous C ₈ H ₁₀ N ₄ O ₂ MW 194.2				
150545	CALCINEURIN [57265-65-3] 0°C	50 U 171.00 100 U 332.00			
	(Calmodulin binding protein) (Modulator binding protein) From Bovine Brain Lyophilized powder containing approx. 1% protein (Lowry) the balance primarily buffers, salts and stabilizers. Unit Definition: One unit will cause 50% inhibition of the activated phosphodiesterase 3'-5' cyclic nucleotide activity when assayed in two units of activator and 0.1 mM Ca ²⁺ in an enzyme coupled system.				
190074	CALMIDAZOLIUM [57265-65-3] RT	5 mg 40.00 10 mg 70.00 25 mg 163.00			
	(Compound R24571, [1-bis-p-chlorophenyl)methyl]-3-[2,4-dichloro-β-(2,4-dichlorobenzoyloxy)phenyl]-imidazolium chloride) Calmidazolium inhibits the Ca ²⁺ calmodulin dependent PDE. Approx. 500 times more powerful than trifluoperazine. Ref.: Van Belle, H. (1981) in "Cell Calcium" 2, 483-494. C ₃₁ H ₂₃ Cl ₂ N ₂ O MW 687.7				
195691	CALMODULIN [73298-54-1] -20°C	1 mg 154.00			
	(Phosphodiesterase 3,5'-cyclic-Nucleotide Activator) From Bovine Brain Purity: ≥99% Lyophilized with 1.7 mM HEPES, pH7, 30 μM CaCl ₂ Activity: 13,000 units/mg Unit Definition: one unit will activate 3',5'-cyclic-nucleotide phosphodiesterase to 50% Vmax. It may be used to activate CaM-dependent phosphodiesterase, calcineurin, CaM Kinases, etc. MW 16.7 kDa				
195692	CALMODULIN [73298-54-1] -20°C			1 KU 13.65 5 KU 21.00 25 KU 92.00 100 KU 350.00	
	(Phosphodiesterase 3,5'-cyclic-Nucleotide Activator) From Bovine Brain Purity: ≥98% Lyophilized virtually salt free. Activity: >40,000 units/mg Unit Definition: one unit will activate 0.016 units of 3',5'-cyclic-nucleotide phosphodiesterase to 50% Vmax when saturated with activator in the presence of 0.01mM Ca ²⁺ . It may be used to activate CaM-dependent phosphodiesterase, calcineurin, CaM Kinases, etc.				
195696	CALMODULIN [77107-46-1] -20°C			1 KU 10.50 5 KU 21.35 25 KU 56.60	
	(Phosphodiesterase 3,5'-cyclic-Nucleotide Activator) From Porcine Brain Purity: ≥95% Lyophilized virtually salt free. Activity: >40,000 units/mg Unit Definition: one unit will activate 0.016 units of 3',5'-cyclic-nucleotide phosphodiesterase to 50% Vmax when saturated with activator in the presence of 0.01mM Ca ²⁺ . It may be used to activate CaM-dependent phosphodiesterase, calcineurin, CaM Kinases, etc.				
195894	CALMODULIN [77107-46-1] 0-5°C			1 mg 183.00	
	(Phosphodiesterase 3,5'-cyclic-Nucleotide Activator) Chicken, Recombinant Expressed in <i>E. coli</i> Purity: ≥95% Activity: will activate nitric oxide synthase. MW 16,700				
657821	CALMODULIN POLYCLONAL ANTIBODY -20°C			1 ml 220.75	
	Anti-Bovine Host: goat Form: delipidized pooled antiserum Conc/Title: 1:100 Applications: Western Blot The antiserum was produced in goats by inoculation with of purified bovine brain calmodulin. Calmodulin is a small Ca ²⁺ binding protein with a molecular weight of 17,000 daltons, identified in all animal and plant cells that have been examined. It is involved in the control of a large number of cellular metabolic reactions and many processes associated with the cytoskeletal contractile apparatus such as the control of myosin light chain kinase activity which regulates myosin contraction in smooth muscle and non-muscle cells.				
	CALMODULIN-DEPENDENT PROTEIN KINASE SUBSTRATE See: Syntide 2				
195895	CALMODULIN DEPENDENT PROTEIN KINASE II-α -70°C	250 U 25.20 1 KU 73.50			
	(CaM Kinase II) Rat, Recombinant α-Subunit Involved in modulating neurite outgrowth of the cAMP system. Activity: 250,000 units/ml Unit Definition: one unit will catalyze the transfer of 1 pmol of phosphate to KRQSFDFL per minute at 30°C, pH 7.5. MW 33 kDa				

One call. One source.
A world of biomedical products.

1161

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872



Neuroscience Products

CATALOG
NUMBER

U.S. \$

CATALOG
NUMBER

U.S. \$

159561 **CALMODULIN-DEPENDENT** 100 µg 90.55
0°C **PROTEIN KINASE II (281-309)**
 Met-His-Arg-Gln-Glu-Thr-Val-Asp-Cys-Leu-Ly
 s-Lys-Phe-Asn-Ala-Arg-Arg-Lys-Leu-Lys-Gly-
 Ala-Ile-Leu-Thr-Thr-Met-Leu-Ala
 Potent inhibitor of calmodulin-dependent
 protein kinase II.
 Ref.: Colbran, R.J., et al., *J. Biol. Chem.*,
208, 18145 (1988).

159562 **CALMODULIN-DEPENDENT** 100 µg 59.65
0°C **PROTEIN KINASE II (290-309)**
 [115044-69-4]
 Leu-Lys-Lys-Phe-Asn-Ala-Arg-Arg-Lys-Leu-L
 ys-Gly-Ala-Ile-Leu-Thr-Thr-Met-Leu-Ala
 Inhibitor of Ca²⁺/Calmodulin-dependent
 protein kinase II.
 Ref.: Payne, M.E., et al., *J. Biol. Chem.*,
263, 7190 (1988).

158834 **CALPAIN INHIBITOR I** 1 mg 13.75
0-5°C [110044-82-1] 5 mg 57.35
 (N-Ac-Leu-Leu-Norleucinal) 10 mg 103.20
Purity: 98%
 An inhibitor of both Calpain I and II
 (calcium-dependent cysteine proteases).
 Has been reported to be useful in the study
 of cytoskeletal and muscle protein turnover.
 Ref.: 1) Murachi, T., *Trends Biochem. Sci.*,
8, 167 (1983). 2) Yoshimura, et al., *J. Biol.*
Chem., **258**, 8883 (1983).
 MW 383.5

158835 **CALPAIN INHIBITOR II** 1 mg 13.75
0-5°C [136632-32-1] 5 mg 57.35
 (N-Ac-Leu-Leu-Methioninal) 10 mg 103.20
Purity: >98%
 An inhibitor of both Calpain I and II
 (calcium-dependent cysteine proteases).
 Has been reported to be useful in the study
 of cytoskeletal and muscle protein turnover.
 Ref.: 1) Murachi, T., *Trends Biochem. Sci.*,
8, 167 (1983). 2) Yoshimura, et al., *J. Biol.*
Chem., **258**, 8883 (1983).
 MW 403.6

159563 **CALPEPTIN** 5 mg 72.00
0°C [117591-20-5] 10 mg 131.00
 (N-CBZ-L-Leucyl-Norleucinal)
 Inhibitor of Calpain and Cathepsin L.
 Ref.: Sasaki, et al., *J. Enz. Inhib.*, **3**, 195
 (1990).
 C₂₀H₃₀N₂O₄ MW 362.5

158882 **CALPHOSTIN C** 100 µg 113.95
0°C [121263-19-2]
 (UCN-1028C)
Purity: 99%
 From *Cladosporium cladosporioides*
 Highly specific and potent protein kinase C
 inhibitor.
 Ref.: 1. Kobayashi, E., et al., *J. Antibiot.*,
42, 1470 (1989). 2. Lida, T., et al., *ibid.*, **42**,
 1475 (1989).
 C₄₄H₃₆O₁₄ MW 790.6

158378 **CALYCULIN A** 10 µg 89.95
0-5°C [101932-71-2] 50 µg 335.65
Purity: ≥95%
 Phosphatase inhibitor with very potent
 inhibitory activity against both PP1 and
 PP2A phosphatases.
 IC₅₀ values of approximately 1 nm for both
 PP1 and PP2A.
 Ref.: 1. Ishihara, H., et al., *Biochem.*
Biophys. Res. Commun., **159**, 871 (1989).
 2. Suganuma, M., et al., *Cancer Res.*, **50**,
 3521 (1990).
 C₅₀H₈₁N₄O₁₉P MW 1009.18

159732 **CAMPTOTHECIN** 25 mg 17.00
0-5°C [7689-03-4] 50 mg 30.00
Purity: 97% 100 mg 55.00
 Binds to and stabilizes the
 topoisomerase-DNA covalent complex
 which reversibly inhibits nuclear
 topoisomerase I. Also, inhibits
 TAT-mediated HIV-1 transactivation.
 Ref.: 1. Hertzberg, R.P., et al., *Biochem. J.*,
28, 4629 (1990).
 2. Hsiang, Y.H., et al., *J. Biol. Chem.*, **260**,
 14873 (1985).
 3. Li, C.J., et al., *J. Biol. Chem.*, **269**, 7051
 (1994).
 C₂₂H₁₈N₂O₄ MW 348.4

26027 **CAMPTOTHECIN, [³H(G)]** 1 mCi 1696.65
0-5°C Sp. Act. 100-500 mCi/mmol
 3.70-18.5 GBq/mmol
 Solid under argon.
 Please call for delivery information.
 MW 348.34

100186 **L-CANAVANINE SULFATE** 100 mg 10.75
0-5°C [2219-31-0] 250 mg 26.00
Crystalline 1 g 99.85
 Isolated from Jack Beans
 Inhibits arginine metabolism, and is a
 substrate in certain transamination
 reactions. Decomposed by strong acids
 and light. Soluble in chloroform, acetone
 and methanol.
 C₈H₁₂N₄O₃ • H₂SO₄ MW 274.2

158883 **CANTHARIDIC ACID** 5 mg 44.15
-20-0°C [28874-45-5] 10 mg 83.65
 C₁₀H₁₄O₅ MW 214.2

158884 **CANTHARIDIN** 25 mg 45.90
-20-0°C [56-25-7] 100 mg 143.30
 C₁₁H₁₂O₄ MW 196.2

CAPSAICIN

See: 8-Methyl-N-vanillyl-6-nonenamide

159796 **CAPSAZEPINE** 1 mg 22.95
RT [138977-28-3] 5 mg 91.70
 (N-[2-(4-Chlorophenyl)ethyl]-1,3,4,5-tetrahy
 dro-7,8-dihydroxy-2H-2-benzazepine-2-carb
 olic acid)
 A competitive antagonist for capsaicin and
 resiniferatoxin.
 C₁₉H₂₁N₂O₂SCl MW 376.9

CARBACHOL

See: Carbamylcholine Chloride

159080 **CARBACYCLOIN** 1 mg 258.00
-20°C [69552-46-1]
 (6α-Carba-prostaglandin I₂;
 Carbocyclic PGI₂)
Purity: 99%
Crystalline
 Analog of prostaglandin with similar activity.
 C₂₁H₃₀O₄ MW 350.5

194154 **CARBADOX** 5 g 11.00
0-5°C [6804-07-5] 25 g 19.00
 (3-[2-Quinoxalinylmethyl]ene)carbamic acid
 methyl ester-N,N'-dioxide)
Purity: 97% 100 g 55.00
 C₁₁H₁₀N₂O₄ MW 262.2

100194 **CARBAMYLCHOLINE CHLORIDE** 10 g 18.00
RT [51-83-2] 25 g 32.00
 (Carbachol) 100 g 131.00
Crystalline
Purity: 99%
 Non-selective agonist that is resistant to the
 action of cholinesterase. Inhibits apoptotic
 death of cultured granule neurons.
 C₈H₁₃ClN₂O₂ MW 182.65

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999 1162
 Outside the U.S.: (714) 545-0100, fax (714) 557-4872www.icnbiomed.com
 Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$
150557 0-5°C	CARBETAPENTANE [23142-01-0] (1-Phenylclopentane-carboxylic acid 2-[2-diethylaminoethoxy]ethyl ester) Citrate Salt High affinity agonist for sigma ₁ receptors. Antitussive White crystalline powder C ₂₂ H ₃₁ NO ₃ • C ₆ H ₈ O ₇ MW 525.6	250 mg 49.00 1 g 160.00	196051 -20°C	1-[2-(CARBOXYLATO)PYRROLIDIN-1- YL] DIAZEN-1-IUM-1,2-DIOLATE METHANOL (PROLI NONate, PROLI/NO) Disodium Salt Purity: ≥98% A nitric oxide donor. Ref.: Saavedra, J.E., et al., <i>Jour. of Med. Chem.</i> , 39 (22), 4361-4365 (1996). C ₅ H ₇ N ₃ O ₄ Na ₂ MW 251.1	1 mg 10.50 5 mg 27.30 25 mg 99.75
	S(-)-CARBIDOPA [28860-95-9] (S)-α-Hydrazino-3,4-dihydroxy- α-methylbenzenepropanoic acid) Used as a Parkinson's Disease therapeutic in combination with L-DOPA. C ₁₀ H ₁₄ N ₂ O ₄ MW 226.2	10 mg 16.00 15 mg 20.00 25 mg 28.00 100 mg 91.25		(±)-3-CARBOXYPHENYLGLYCINE [2196-57-8] C ₉ H ₉ NO ₄ MW 195.2	1 mg 21.45 5 mg 86.00 10 mg 155.90
151466 0°C	(±)CARBOCYCLIC THROMBOXANE A₂ [74034-56-3] (CTA ₂) Supplied as 50 µg/ml in ethanol. C ₂₂ H ₃₆ O ₃ MW 348.5	100 µg 57.35 500 µg 229.30	158885 RT	(±)-3-(2-CARBOXYPIPERAZIN-4-YL)- PROPYL-1-PHOSPHONIC ACID [100828-16-8] (CPP) Purity: 98% Strong NMDA antagonist. Ref.: Davies, J., et al., <i>Brain Res.</i> , 382 , 169 (1986) C ₂₆ H ₃₁ N ₂ O ₅ P MW 252.2	5 mg 72.80
	β-CARBOLINE-3-CARBOXYLIC ACID BUTYL ESTER [84454-35-3] Benzodiazepine receptor ligand C ₁₉ H ₁₈ N ₂ O ₂ MW 268.3	1 mg 14.35 5 mg 48.70		R(-)-3-(2-CARBOXYPIPERAZIN-4-YL)- PROPYL-1-PHOSPHONIC ACID [126453-07-4] (D-CPP; R-CPP) Purity: ≥98% Potent and selective NMDA antagonist. Ref.: Chapman, A.G., et al., <i>Eur. Jour. of Pharmacol.</i> , 178 (1), 97-99 (1990) C ₂₆ H ₃₁ N ₂ O ₅ P MW 252.2	1 mg 29.95 5 mg 118.50
153731 RT	β-CARBOLINE-3-CARBOXYLIC ACID ETHYL ESTER [74214-62-3] (β-CCE) Purity: 98% Inverse agonist to benzodiazepine C ₁₇ H ₁₂ N ₂ O ₂ MW 240.3	25 mg 15.00 250 mg 86.75	159715 RT	CARBOXY-PTIO [148819-94-7] (2-(4-Carboxyphenyl)-4,4,5,5-tetramethylimid azole-1-oxyl-3-oxide) Potassium Salt Nitric Oxide radical scavenger with antagonistic action against the NO free radical. Ref.: Akaike, T., et al., <i>Biochemistry</i> , 32 , 827 (1993). C ₁₄ H ₁₈ N ₂ O ₄ K MW 315.4	1 mg 11.75 5 mg 30.00 25 mg 120.00
	β-CARBOLINE-3-CARBOXYLIC ACID METHYL ESTER [69954-48-9] (β-CCM) Benzodiazepine inverse agonist Ref.: Lippke, K.P., et al., <i>J. Med. Chem.</i> , 26 , 499 (1983). C ₁₅ H ₁₀ N ₂ O ₂ MW 226.2	10 mg 24.95 25 mg 99.75 100 mg 169.50		CARISOPRODOL [78-44-4] (1-Methylethyl)carbamic acid 2-[[[aminocarbonyl]oxy]-methyl]-2- methylpentyl ester) C ₁₂ H ₂₂ N ₂ O ₄ MW 260.3	250 mg 7.00 1 g 15.00
154934 0-5°C	β-CARBOLINE-3-CARBOXYLIC ACID PROPYL ESTER [76808-18-9] (β-CCP) Benzodiazepine inverse agonist C ₁₉ H ₁₄ N ₂ O ₂ MW 254.3	10 mg 19.55 15 mg 27.35 25 mg 43.35	153548 RT	α-CASEIN, Fragment 90-95 [83471-50-5] (Arg-Tyr-Leu-Gly-Tyr-Leu) Ref.: Loukas, S., et al., <i>Biochemistry</i> , 22 , 4567 (1983). C ₃₈ H ₅₇ N ₉ O ₉ MW 783.9	1 mg 30.30
	N-CARBOMETHOXYCARBONYL-D- PRO-D-PHE BENZYL ESTER [129988-00-7] (Harvard Peptide) Blocks gp120 binding to CD4 glycoprotein. Reported to inhibit infection by HIV. Ref.: Finberg, R. W., et al., <i>Science</i> , 249 , 287 (1990). C ₂₂ H ₂₉ N ₂ O ₆ MW 438.5	1 mg 11.45 5 mg 28.10 25 mg 112.35		α-CASEIN, Fragment 90-96 [83471-49-2] (Arg-Tyr-Leu-Gly-Tyr-Leu-Glu) C ₄₃ H ₆₄ N ₁₀ O ₁₂ MW 912	1 mg 35.00 5 mg 163.00
159735 0°C	N-CARBOMETHOXYCARBONYL- PRO-PHE BENZYL ESTER Blocks gp120 binding to CD4 glycoprotein and inhibits HIV infection, but is less active than the D-isomer peptide. Ref.: Finberg, R.W., et al., <i>Science</i> , 249 , 287 (1990). C ₂₂ H ₂₉ N ₂ O ₆ MW 438.5	1 mg 13.75 5 mg 55.00	152944 -20-0°C	CASEIN KINASE II EC 2.7.1.37 Human, Recombinant Expressed in <i>E. coli</i> Supplied at 0.7 mg/ml in Tris/NaCl/0.1% Triton X-100. Activity: 700 kU/mg protein Unit Definition: one unit will transfer one pmol of phosphate from ATP to peptide substrate per minute at 30°C. Free of proteases and phosphatases.	1 mg 35.00 5 mg 163.00
	5-CARBOXAMIDOTRYPTAMINE MALEATE [74885-09-9] 5-HT ₁ serotonin receptor agonist C ₁₁ H ₁₃ N ₃ O • C ₄ H ₄ O ₄ MW 319.3	1 mg 17.00 5 mg 72.00		1-(7-CARBOXYHEPTYL)IMIDAZOLE Hydrochloride Selective thromboxane synthetase inhibitor. Ref.: Kayama, et al., <i>Prostaglandins</i> , 21 , 543 (1981) C ₁₁ H ₁₈ N ₂ O ₂ • HCl MW 246.7	10 KU 330.70
159564 0-5°C	1-(7-CARBOXYHEPTYL)IMIDAZOLE Hydrochloride Selective thromboxane synthetase inhibitor. Ref.: Kayama, et al., <i>Prostaglandins</i> , 21 , 543 (1981) C ₁₁ H ₁₈ N ₂ O ₂ • HCl MW 246.7	5 mg 34.40 25 mg 149.05	159518 -20°C		

Neuroscience

One call. One source.
A world of biomedical products.

1163

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872



Neuroscience Products

CATALOG
NUMBER

U.S. \$

CATALOG
NUMBER

U.S. \$

195946
-20°C
CASEIN KINASE II
Human, Recombinant
Expressed in *E. coli*
α-Subunit
Catalytic subunit of protein kinases CK2.
Unit Definition: one unit will catalyze the transfer of 1 μmol of phosphate from ATP to the synthetic casein kinase II substrate RRRDDSDDDD per minute at pH 8.5, 37°C.
One vial contains 10 mU.
MW 45,100

1 vial 367.20

195947
-20°C
CASEIN KINASE II
Human, Recombinant
Expressed in *E. coli*
β-Subunit
Purity: ≥99%
Enhances enzymatic activity and specificity to the α-subunit of protein kinase CK2.
Contains no detectable proteases.
MW 24,900

10 μg 374.50

195842
-20°C
CASEIN KINASE II SUBSTRATE
Arg-Arg-Glu-Glu-Thr-Glu-Glu-Glu
Purity: ≥97%
A specific substrate for Casein Kinase II (CKII).
MW 1206.3

1 mg 110.25

150567
-20-0°C
β-CASOMORPHIN
[72122-62-4]
(Tyr-Pro-Phe-Pro-Gly-Pro-Ile)
Source/Species: Bovine
Ref.: 1. Brantl, V., et al., Hoppe-Seyler's Z. Physiol. Chem. **360**, 1211 (1979).
2. Lottspeich, F., et al., Hoppe-Seyler's Z. Physiol. Chem., **361**, 1835 (1980).
MW 790

0.5 mg 17.00
1 mg 25.00
5 mg 56.00

154498
0-5°C
β-CASOMORPHIN
[102029-74-3]
H₂N-Tyr-Pro-Phe-Val-Glu-Pro-Ile-OH
Source/Species: Human
Ref.: Greenberg, R., et al., (1984), J. Biol. Chem. **259**, 132
C₄₄H₆₁N₇O₁₁ MW 864.1

1 mg 15.00

150568
-20-0°C
β-CASOMORPHIN, Fragment 1-3
[72122-59-9]
(Tyr-Pro-Phe)
C₂₂H₂₇N₅O₅ MW 425.5

0.5 mg 10.00
1 mg 15.00
5 mg 25.00

150569
-20-0°C
β-CASOMORPHIN, Fragment 1-5
[72122-63-5]
(Tyr-Pro-Phe-Pro-Gly)
C₃₃H₄₃N₇O₇ MW 579.7

0.5 mg 10.00
1 mg 25.00
5 mg 45.00

152946
-20-0°C
[p-Ala², Hyp⁴, Tyr⁵]-β-CASOMORPHIN, Fragment 1-5 Amide
[102029-98-1]
(Tyr-p-Ala-Phe-Hydroxy-Pro-Tyr-NH₂)
C₃₃H₄₂N₆O₈ MW 674.8

1 mg 33.30

152949
-20-0°C
[Des-Tyr¹]-β-CASOMORPHIN
[100900-41-2]
(Pro-Phe-Pro-Gly-Pro-Ile)
C₃₂H₄₂N₆O₇ MW 626.8

1 mg 24.00

150570
0-5°C
CASTANOSPERMINE
[79831-76-8]
(1,6,7,8-tetrahydroxy-octahydroindolizine)
Lyophilized powder
Under desiccant
A potent α and β-glucosidase inhibitor. Also known to cause accumulation of high mannose glycoproteins, such as concanavalin A.
C₈H₁₃NO₄ MW 189.2

1 mg 42.00
5 mg 138.00

CAVEOLIN
MONOCLONAL ANTIBODY
(22kDa RSV-SRC Substrate, Anti-)
Clone: 2283
Isotype: purified Ig fraction from mouse ascites
Conc/Titer: 1:1,000-1:5,000
Applications: ELISA; Immunoblotting; Immunoprecipitation; Immunohistology
It has been suggested that this protein is a mediator of transformation by the tyrosine kinase class of oncogenes. For this product, a monoclonal antibody (ICN PY20) was coupled to agarose and used as an affinity chromatography medium to isolate phosphotyrosine-containing proteins from Rous sarcoma virus-transformed chick embryo fibroblasts. Balb/c mice were immunized with these PY20 proteins for production of antibodies to the 22 kDa tyrosine kinase substrate. Hybridomas were selected for reactivity against the mixture of PY-proteins by ELISA and against the 22 kDa protein by Western Blot.
The antibody is packaged at a concentration of 1 mg/ml in 50% glycerol, 5mM Tris, pH 8.2, 25mM NaCl, 1.5 mM NaN₃. It is easily conjugated to enzymes and fluorochromes.
Ref: 1. Glenney, J.R., Jr., *J. Biol. Chem.*, **264**, 20163-20166 (1989).
2. Glenney, J.R., Jr. and Zokas, L., *J. Biol. Chem.*, **108**, 2401-2408 (1989).

697002 50 μg 380.35
697001 100 μg 650.45

193599
0-5°C
sCD14 ELISA KIT
The sCD14 kit is a sandwich enzyme immunoassay for the determination of soluble CD14 in human serum, plasma, liquor, synovial fluid, urine, and cell culture supernatants. An anti-CD14 oligoclonal antibody is adsorbed to polystyrene microtiter wells. Soluble CD14 present in the sample or the standard binds to the antibodies on the coated well. A biotinylated anti-CD14 monoclonal antibody directed against another epitope on the CD14 molecule is simultaneously added. After washing, a streptavidin peroxidase conjugate binds to the bound complex, completing the sandwich. Unbound conjugate is removed by washing, and the substrate solution is added to the wells. A colored product is formed in proportion to the amount of CD14 present in the sample. The kit is a 12 x 8 format.
FOR RESEARCH USE ONLY!

1 each 986.75

685521
0-5°C
CD45
MONOCLONAL ANTIBODY
Anti-Human
Clone: T200 (Also known as HuLy-m4 from 190.2F2.5)
Isotype: purified mouse IgG₁
Conc/Titer: 0.5 mg/ml
Applications: Flow Cytometry; Indirect Immunofluorescence; Indirect Immunoperoxidase staining
This antibody detects the major surface glycoprotein analog of the murine and rat T200 molecule which is found on blood lymphocytes, monocytes, granulocytes, null cells, platelets, thymocytes, tonsillar cells, and myeloid cells from bone marrow.

0.5 ml 285.00

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999 1164
Outside the U.S.: (714) 545-0100, fax (714) 557-4872

www.icnbiomed.com
Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$		
685941	CD45RO MONOCLONAL ANTIBODY Anti-Human Clone: UCHL-1 Isotype: mouse IgG ₁ kappa Conc/Titer: 1 mg/ml Applications: immunohistology; immunofluorescence; immunoprecipitation This antibody reacts with NK cells, T cells and B cell subsets, monocytes, and macrophages. It binds an epitope strongly expressed on the lower molecular weight isoform (p180) of the human leukocyte common antigen (LCA) family, close to the UCHL-1 epitope. This epitope is also weakly expressed on 190 kDa (exon B) and 205 kDa (exons AB) isoforms of LCA. This antibody stains most thymocytes (about 50% of medullary thymocytes) and also mature myeloid cells.	0.1 mg	208.00	193631	CGS 21680 [124182-57-6] Hydrochloride Adenosine receptor agonist which exhibits higher selectivity for A ₂ versus A ₁ receptors. Ref.: Jarvis, et al., J. Pharmacol. Exp. Ther., 251 , 888 (1989). C ₂₃ H ₂₃ N ₇ O ₆ • HCl MW 536.0	1 mg 5 mg 10 mg	25.00 95.00 172.00
685961	CD45RO F(ab')₂ MONOCLONAL ANTIBODY Anti-Human Clone: A6 Isotype: mouse IgG ₁ kappa Conc/Titer: 1 mg/ml Applications: immunohistology; immunofluorescence; immunoprecipitation This antibody reacts with NK cells, T cells and B cell subsets, monocytes, and macrophages. It binds an epitope strongly expressed on the lower molecular weight isoform (p180) of the human leukocyte common antigen (LCA) family, close to the UCHL-1 epitope. This epitope is also weakly expressed on 190 kDa (exon B) and 205 kDa (exons AB) isoforms of LCA.	0.1 mg	298.00	158887	CHARYBDOTOXIN [95751-30-7] (pGlu-Phe-Thr-Asn-Val-Ser-Cys-Thr-Thr-Ser-Lys-Glu-Cys-Trp-Ser-Val-Cys-Gln-Arg-Leu-His-Asn-Thr-Ser-Arg-Gly-Lys-Cys-Met-Asn-Lys-Lys-Cys-Arg-Cys-Tyr-Ser) Purity: >98% Scorpion <i>Leiurus quinquestriatus</i> venom peptide A potent and specific inhibitor of Ca ²⁺ activated K ⁺ channels in cells of the anterior pituitary and bovine aortic smooth muscle. Also, demonstrates inhibition of potassium ion conductance and human T lymphocyte mitogen-stimulated proliferation. Ref.: 1. Gimenez-Gallego, G., et al., Proc. Natl. Acad. Sci. USA, 85 , 3329 (1988). 2. Mackinnon, R. and Miller, C., Science, 245 , 1382 (1989). 3. Deutsch, C., et al., J. Biol. Chem., 266 , 3668 (1991). 4. Price, M., et al., Proc. Natl. Acad. Sci. USA, 86 , 10171 (1989). MW 4295.9	100 µg	586.30
692371	L-CELL ADHESION MOLECULE MONOCLONAL ANTIBODY (Anti-L-CAM; Anti-Uvomorulin) Anti-Human Clone: 6 F9 Isotype: mouse IgG ₁ Conc/Titer: 1:5-1:20 Applications: ELISA; Immunoblotting; Immunostaining of cell suspensions, acetone-fixed frozen and formalin-fixed paraffin-embedded tissue sections. Supplied as cell supernatant purified by ammonium sulfate precipitation with 1% BSA and 0.09% sodium azide. This antibody reacts to E-cadherin (epithelial Ca ²⁺ dependent cell adhesion molecule) in ELISA and show specific reaction to tet 120 kDa and 80 kDa ARC-1 polypeptides in immunoblotting. Ref.: Frixen, U.H., et al., J. Cell Biol., 113 , 173-185 (1991). 2. Umbas, R., et al., Cancer Res., 52 , 5104-5109 (1992).	1 ml	215.00	159567	[Gln¹²]-CHARYBDOTOXIN (pGlu-Phe-Thr-Asn-Val-Ser-Cys-Thr-Thr-Ser-Lys-Gln-Cys-Trp-Ser-Val-Cys-Gln-Arg-Leu-His-Asn-Thr-Ser-Arg-Gly-Lys-Cys-Met-Asn-Lys-Lys-Cys-Arg-Cys-Tyr-Ser) MW 4294.2	100 µg	551.25
158886	CGS 12066B DIMALEATE [109028-10-6] Purity: 99% Specific 5-HT _{1B} agonist. Ref.: Neale, R.F., et al., Eur. J. Pharmacol., 136 , 1 (1987). MW 566.5	5 mg 20 mg	36.00 125.00	159568	[His¹⁹]-CHARYBDOTOXIN (pGlu-Phe-Thr-Asn-Val-Ser-Cys-Thr-Thr-Ser-Lys-Glu-Cys-Trp-Ser-Val-Cys-Gln-His-Leu-His-Asn-Thr-Ser-Arg-Gly-Lys-Cys-Met-Asn-Lys-Lys-Cys-Arg-Cys-Tyr-Ser) MW 4276.2	100 µg	288.00
193630	CGS 15943 [104615-18-1] Potent, selective A ₁ -Adenosine receptor antagonist. Ref.: Jarvis, et al., Mol. Pharmacol., 39 , 49 (1990). C ₁₃ H ₁₆ N ₂ O ₄ MW 285.7	1 mg 10 mg	7.00 41.50	159569	[Lys(Ac)¹¹]-CHARYBDOTOXIN (pGlu-Phe-Thr-Asn-Val-Ser-Cys-Thr-Thr-Ser-Lys(Ac)-Glu-Cys-Trp-Ser-Val-Cys-Gln-Arg-Leu-His-Asn-Thr-Ser-Arg-Gly-Lys-Cys-Met-Asn-Lys-Lys-Cys-Arg-Cys-Tyr-Ser) MW 4337.2	100 µg	551.25
				158888	CHELERYTHRINE CHLORIDE [3895-92-9] (1,2-Dimethoxy-N-methyl-[1,3]-benzodioxolo[5,6-c]phenanthridinium) Purity: 98% Specifically inhibits protein kinase C. Ref.: Herbert, J.M., et al., ibid., 172 , 993 (1990). C ₂₁ H ₁₉ NO ₄ Cl MW 383.8	1 mg 5 mg 10 mg 25 mg	21.00 68.75 131.90 309.60
				159741	CHLORMEZANONE [80-77-3] Skeletal muscle relaxant. C ₁₁ H ₁₃ NO ₃ Cl MW 273.8	250 mg 1 g	28.65 100.85
				153755	2-CHLOROADENOSINE [146-77-0] (2-CADO) A selective A ₁ adenosine receptor agonist C ₁₁ H ₁₂ ClN ₆ O ₄ MW 301.7	2 mg 5 mg 10 mg 50 mg	8.00 12.95 22.90 65.75

Neuroscience

One call. One source.
A world of biomedical products.

1165

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872



Neuroscience Products

CATALOG
NUMBER

U.S. \$

CATALOG
NUMBER

U.S. \$

152400 RT	8-CHLOROADENOSINE-cyclic-3',5'- MONOPHOSPHATE [41941-56-4] (8-Chloro-cAMP). An analog of c-AMP that demonstrates novel properties in cell culture, including steroidogenic activity in rat adrenal cells and inhibition of a variety of cancer cells in culture. Ref.: 1. Free, C.A. and Paik, V.S., <i>Endocrinology</i> , 100 , 1287-1293 (1977). 2. Tagliaferri, P., et al., <i>Cancer Res.</i> , 48 , 1642-1650 (1988). C ₁₀ H ₁₁ N ₅ O ₆ PCl MW 363.7	5 mg	78.00
		10 mg	128.00
		25 mg	275.00
		250 mg	795.00
193632 RT	2-CHLORO-N⁶-CYCLO- PENTYLADENOSINE [37739-05-2] (CCPA) A very selective A ₁ Adenosine receptor agonist. C ₁₃ H ₂₃ N ₅ O ₄ Cl MW 369.8	1 mg	16.55
		5 mg	62.00
		25 mg	260.00
159903 RT	7-CHLORO-3-(CYCLOPROPYL- CARBONYL)-4-HYDROXY-2(1H)- QUINOLINE (L-701252) Purity: 99% Antagonist of NMDA receptor glycine site and an anticonvulsant. Ref.: Rowley, M., et al., <i>J. Med. Chem.</i> , 36 , 3386 (1993). MW 263.7	1 mg	14.95
		5 mg	61.00
153753 0-5°C	CHLOROETHYLCLONIDINE [98086-36-3] Dihydrochloride C ₁₃ H ₁₇ Cl ₂ N ₄ • 2HCl MW 408.6	1 mg	13.50
		10 mg	105.00
		25 mg	238.00
154966 RT	N-(2-CHLOROETHYL)-N-ETHYL-2- BROMOBENZYLAMINE [40616-75-9] (DSP-4) Hydrochloride α-adrenergic agent Ref.: Dooley, D.J., et al., 6th European Neuroscience Congress (1982). C ₁₁ H ₁₉ BrClN • HCl MW 313.1	5 mg	10.00
		25 mg	37.00
		100 mg	142.80
153754 0-5°C	R(-)-CHLOROETHYL- NORAPOMORPHINE [75344-87-5] (NCA) Hydrochloride Dopamine receptor alkylating agent. C ₁₆ H ₁₈ ClNO ₂ • HCl MW 352.3	1 mg	10.00
		10 mg	89.30
153546 RT	7-(β-CHLOROETHYL)- THEOPHYLLINE [5878-61-5] (1,3-Dimethyl-7-(β-chloroethyl)xanthine) C ₉ H ₁₁ ClN ₄ O ₂ MW 242.6	100 mg	21.75
		1 g	36.15
159746 0-5°C	5-CHLOROINDOLE-2-CARBOXYLIC ACID [10517-21-2] Antagonist of NMDA receptor at the glycine site. Ref.: Huettner, <i>Science</i> , 243 , 1611 (1989). C ₉ H ₈ Cl MW 195.6	1 g	34.50
		5 g	124.25
154176 -20-0°C	1-(8-CHLORO-5-ISOUINOLINE- SULFONYL)PIPERAZINE (HA-156) Crystalline Purity: >97% A Protein Kinase C inhibitor.	10 mg	76.50
153752 RT	7-CHLOROKYNURENIC ACID [18000-24-3] (7-Chloro-4-hydroxyquinoline-2-carboxylic acid) NMDA receptor antagonist at the glycine site. C ₁₀ H ₆ ClNO ₃ MW 223.6	1 mg	8.00
		10 mg	49.00
		25 mg	105.00

159748	6-CHLOROMELATONIN Inhibits calcium-dependent dopamine release. C ₁₃ H ₁₉ N ₂ O ₂ Cl MW 266.7	1 mg	19.25
		5 mg	81.00
159750 0-5°C	1-(5-CHLORONAPHTHALENE- SULFONYL)HOMOPIPERAZINE [105637-50-1] Hydrochloride Inhibits myosin light-chain kinase. C ₁₃ H ₁₇ N ₂ O ₂ SCl • HCl MW 361.3	1 mg	10.50
		5 mg	43.00
158889 0°C	1-(5-CHLORONAPHTHALENE-1- SULFONYL)-1H-HEXAHYDRO-1,4- DIAZEPINE [105637-50-1] (ML-9) Hydrochloride Purity: 99% Specifically inhibits MLC kinase. Ref.: 1. Saitoh, M., et al., <i>J. Biol. Chem.</i> , 262 , 7796 (1987). 2. Saitoh, M. et al., <i>Biochem. Biophys. Res. Commun.</i> , 140 , 280 (1986). C ₁₃ H ₁₇ N ₂ O ₂ SCl • HCl MW 361.3	05 mg	35.00
		10 mg	51.60
		25 mg	97.45
158890 RT	1-(3-CHLOROPHENYLAMINO)-4- PHENYLPHTHALAZINE (MY 5445) Purity: 99% Specifically inhibits cGMP-specific phosphodiesterase. Ref.: Hagihara, M., et al., <i>J. Pharmacol. Exp. Ther.</i> , 228 , 467 (1984). MW 331.8	1 mg	13.00
		10 mg	107.45
159751 RT	1-(3-CHLOROPHENYL)BIGUANIDE [2113-05-5] Hydrochloride Specific agonist for 5-HT ₃ receptor. Ref.: Sepulveda, et al., <i>Br. J. Pharmacol.</i> , 104 , 536 (1991). C ₈ H ₁₀ N ₅ Cl • HCl MW 248.1	5 mg	13.00
		25 mg	31.00
		100 mg	98.00
159752 RT	4-CHLOROPHENYLGUANIDINE Hydrochloride Specific inhibitor of Urokinase. C ₇ H ₈ N ₂ Cl • HCl MW 206.1	5 mg	11.45
		25 mg	52.00
		100 mg	186.75
159753 0-5°C	5-CHLORO-N-(6-PHENYLHEXYL)-1- NAPHTHALENESULFONAMIDE [102649-78-5] (SC-9) Potent Protein Kinase C activator which apparently substitutes for phosphatidylserine. C ₂₂ H ₂₈ NO ₂ SCl MW 401.9	1 mg	16.50
		5 mg	72.00
196050 RT	1-(2-CHLOROPHENYL)-N-METHYL-N- (1-METHYLPROPYL)-3- ISOUINOLINECARBOXAMIDE [85532-75-8] (PK-11195) Purity: >98% Benzodiazepine antagonist. Ref.: Le Fur, G., et al., <i>Life Science</i> , 32 (16), 1849-1856 (1983). C ₂₁ H ₂₁ ClN ₂ O MW 352.9	1 mg	10.50
		5 mg	33.60
		25 mg	115.50
150651 RT	1-(m-CHLOROPHENYL) PIPERAZINE [65369-76-8] Hydrochloride Purity: >97% 5-HT ₁ serotonin receptor agonist C ₁₀ H ₁₃ ClN ₂ • HCl MW 233.1	1 g	12.45
		5 g	27.00

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999 1166
Outside the U.S.: (714) 545-0100, fax (714) 557-4872www.icnbiomed.com
Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$
158891	8-(4-CHLOROPHENYLTHIO)-ADENOSINE 3',5'-cyclic MONOPHOSPHATE [93882-12-3] (8-CPT cAMP) Sodium Salt cAMP analog which activates cAMP- and cGMP- dependent protein kinase. Ref.: Sandberg, M., et al., <i>Biochem. J.</i> , 279 , 521 (1991). C ₁₆ H ₁₄ ClN ₅ O ₈ PSNa MW 493.8	1 mg 23.50 50 mg 79.50 100 mg 147.00	190329	CHOLERA ENTEROTOXIN Lyophilized powder sealed under vacuum Each vial when reconstituted to 1 ml with H ₂ O contains 1.0 mg (or 5.0 mg) of protein, at pH 7.5 suspended in 0.05 M Tris 0.003M NaH ₂ PO ₄ 0.001M Na ₂ EDTA, 0.2M NaCl Concentration: Determined by extinction at 280 nm. Purity: Preparation gives a single major band in disc electrophoresis. Toxic Potency: Determined by skin vascular permeability and expressed in Lb doses per µg Lowry protein Ref.: 1. Finkelstein, R.A., et al., <i>J. Immunol.</i> , 113 , 145 (1974) 2. Finkelstein, R.A., <i>CRC Crit. Rev. Microbiol.</i> , 2 , 553 (1973) 3. Finkelstein, R.A. and Lo Spalluto, J. <i>Exp. Med.</i> , 130 , 185 (1969) 4. Hollenberg, M.D., et al., <i>Proc. Nat. Acad. Sci. U.S.A.</i> , 71 , 4224 (1974)	1 mg 85.00 5 mg 380.00
193634	8-(3-CHLOROSTYRYL)CAFFEINE [1,3,7-Trimethyl-8-(3-chlorostyryl)xanthine] Selective A _{2A} adenosine receptor antagonist. Ref.: Jacobson, et al., <i>J. Med. Chem.</i> , 36 , 1333 (1993). C ₁₆ H ₁₉ N ₄ O ₂ Cl MW 330.8	1 mg 10.00 5 mg 38.60 25 mg 163.15	150005	CHOLERA TOXIN From <i>V. cholerae</i> 569B Inaba Purity: >95% by SDS-PAGE Lyophilized in Tris-EDTA buffer, pH 7.5 Activator of adenylate cyclase	1 mg 90.50
193947	CHLOROTOXIN From <i>Leiturus q. quinquestratus</i> The first polypeptide toxin reported to probe chloride ion channels. It inhibits submicromolar concentration small conductance chloride ion channels intracellularly. Ref.: DeBin, et al., <i>Am. J. Physiol.</i> , 264 , C361 (1993). MW 3996	40 µg 319.70	159905	CHOLERA TOXIN α-Subunit Lyophilized Possesses ADP-ribosyltransferase activity. As effective as native toxin, it catalyzes ADP-ribosylation in broken cell preparations. However, without the presence of the B-subunit, it is not able to penetrate cells. Ref.: Gill, D.M. and Woolkalis, M.J., <i>Methods Enzymol.</i> , 195 , 267 (1991).	250 µg 195.00
159904	4-CHLORO-6-(2,3-XYLIDINO)-2-PYRIDINYLTIOACETIC ACID [50892-23-4] (WY-14643) Purity: 98% Potent activator of peroxisome proliferator-activated receptors (PPARs). Ref.: 1. Keller, H. and Wahli, W., <i>Trends Endocrinol. Metab.</i> , 4 , 291 (1993). 2. Dreyer, C., et al., <i>Cell</i> , 68 , 879 (1992). MW 323.8	10 mg 23.40 50 mg 105.00	150686	CHROMOMYCIN A₃ [7059-24-7] (3β-O-(4-O-Acetyl-2,6-dideoxy-3-C-methyl-α-L-arabino hexopyranosyl)-7-methylolivomycin D; Aburamycin β; Toyomycin) Yellow powder m.p. 185-186°C Inhibitor of DNA and RNA polymerases. C ₅₇ H ₈₂ O ₂₆ MW 1183.3	1 mg 16.75 5 mg 65.20
150662	CHLORPHENESIN CARBAMATE [886-74-8] [3-[4-Chlorophenoxy]-1,2-propanediol-1-carbamate] m.p. 88-91°C White crystalline powder An antifungal agent and a smooth muscle relaxant.	1 g 18.50	152845	CHYMOSTATIN [9076-44-2] [(1S)-1-Carboxy-2-phenylethyl]-carbamoyl-α-[2-iminohexahydro-4(S)-pyrimidyl]-[S]-Gly-X-Phe-al Source/Species: Microbial A mixture of type A, B, and C. X = Leu (Type A); Ile (Type B); Val (Type C). Ref.: 1. Umezawa, H., et al., <i>J. Antibiot.</i> , 23 , 425 (1970). 2. Tatsuta, K., et al., <i>J. Antibiot.</i> , 26 , 625 (1973).	1 mg 15.00 5 mg 45.00 25 mg 195.00 50 mg 375.00
190325	CHLORPHENIRAMINE MALEATE [113-92-8] Antihistaminic C ₂₂ H ₂₃ ClN ₂ O ₄ MW 390.9	5 g 10.75 25 g 29.00 100 g 67.00	193635	CILOSTAMIDE (N-Cyclohexyl-N-methyl-4-(1,2-dihydro-2-oxo-6-quinolinyloxy)butramide) Inhibitor of cGMP-inhibited phosphodiesterase. C ₂₂ H ₂₈ N ₂ O ₃ MW 342.2	1 mg 16.75 5 mg 74.95
190326	CHLORPROMAZINE [69-09-0] [2-Chloro-10-[3-dimethylamino-propyl]phenothiazine] Hydrochloride Reported to be useful as a substitute for benzidine, o-dianisidine and o-tolidine in the determination of microquantities of hemoglobin and peroxidase. Ref.: Lee, K.T. and Ling, H., <i>Microchim. Acta.</i> 995 (1969). C ₁₇ H ₁₉ ClN ₂ S • HCl MW 355.3	5 g 11.95 25 g 31.00 100 g 82.50	159757	CIMETEROL [54239-37-1] A β-adrenergic agonist. C ₁₂ H ₁₇ N ₃ O MW 219.3	1 mg 13.75 5 mg 53.90 25 mg 225.00

Neuroscience

One call. One source.
A world of biomedical products.

1167 To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872



Neuroscience Products

CATALOG
NUMBER

U.S. \$

CATALOG
NUMBER

U.S. \$

150687 0-5°C	CIMETIDINE [51481-61-9]	1 g	9.65
	Crystalline	5 g	23.00
	Histamine H ₂ -receptor antagonist that inhibits gastric acid secretion and reduces pepsin production. Also a potent imidazoline I ₁ receptor agonist.	10 g	38.00
	Ref.: Brimblecombe, R.W., et al., J. Int. Med. Res., 3, 86 (1975). C ₁₀ H ₁₆ N ₆ S MW 252.3	25 g	74.40
159758 0-5°C	CINANSERIN [1166-34-3]	1 mg	12.50
	A 5-HT antagonist.	5 mg	48.00
	C ₂₂ H ₂₄ N ₂ O ₅ MW 340.5	25 mg	215.50
159083 RT	CINNAMYL-3,4-DIHYDROXY-α-CYANOCINNAMATE (CDC)	10 mg	68.75
	Purity: 98% Specifically inhibits 12-lipoxygenase. Ref.: Cho, H., et al., J. Med. Chem., 34, 1505 (1991). MW 321.3		
193637 RT	CIRAZOLINE [40600-13-3]	1 mg	11.50
	Hydrochloride A selective α ₁ -adrenergic receptor agonist. C ₁₇ H ₁₉ N ₂ O • HCl MW 252.7	5 mg	46.30
101397 RT	L-CITRULLINE	5 g	17.50
	[372-75-8]	25 g	47.00
	(L-2-Amino-5-ureidovaleric acid)	100 g	144.00
	Crystalline	500 g	550.00
		1 kg	950.00
159759 RT	CLENBUTEROL [37148-27-9]	5 mg	8.00
	A β ₂ -agonist and bronchodilator.	10 mg	12.50
	C ₁₂ H ₁₈ N ₂ OCl ₂ MW 277.2	50 mg	42.00
		250 mg	145.00
191168 0-5°C	CLINDAMYCIN [21462-39-5]	10 mg	28.35
	(7[S]-Chloro-7-deoxylincomycin; Cleocin)	50 mg	92.45
	Hydrochloride C ₁₈ H ₃₃ ClN ₂ O ₅ S • HCl MW 461.4	100 mg	167.00
158892 0-5°C	CLINDAMYCIN PHOSPHATE [24729-96-2]	10 mg	21.50
	(Clindamycin-2-dihydrogen phosphate; 7(S)-Chloro-7-deoxylincomycin; Antibiotic U-28508E)	50 mg	75.00
	C ₁₈ H ₃₃ N ₂ O ₈ P ₂ MW 505	100 mg	133.00
193638 0-5°C	CLOBENPROPIT [145231-45-4]	1 mg	35.90
	(VUF 9153; N-(4-Chlorobenzyl)-S-[3-(4(5)-imidazolyl)propyl]isothiourea)		
	Dihydrobromide A specific H ₃ histamine receptor antagonist capable of crossing the blood brain barrier.		
	Ref.: Schlicker, et al., Fundam. Clin. Pharmacol., 8, 128 (1994). C ₁₄ H ₁₇ N ₃ SCl • 2HBr MW 470.7		
190342 RT	CLOFBRATE	250 mg	9.25
	[637-07-0]	1 g	22.00
	[2-(p-Chlorophenoxy)-2-methylpropionic acid ethyl ester]	5 g	73.00
	C ₁₂ H ₁₅ ClO ₃ MW 242.7	10 g	124.00
153749 0-5°C	CLOFILIUM TOSYLATE [92953-10-1]	15 mg	17.50
	(4-Chloro-N,N-diethyl-N-heptylbenzenebutan aminium tosylate)	25 mg	26.50
	C ₂₈ H ₄₄ ClNO ₃ S MW 510.15	50 mg	46.50
153751 RT	CLOMIPRAMINE	25 mg	6.00
	[17321-77-6]	250 mg	12.75
	(3-Chloro-10,11-dihydro-N,N-di-methyl-5H-dibenz[b,f]azepine-5-propanamine hydrochloride; Anafranil)		
	Hydrochloride A serotonin uptake inhibitor. C ₁₉ H ₂₃ ClN ₂ • HCl MW 351.3		

190175 0-5°C	CLONIDINE [4205-90-7]	100 mg	21.50
	Hydrochloride (2-(2,6-Dichloroaniline)-2-imidazole)	250 mg	49.50
	Antihypertensive, α ₂ -adrenoceptor agonist and imidazoline receptor ligand.	1 g	165.00
	C ₉ H ₉ Cl ₂ N ₃ • HCl MW 266.6	5 g	469.00
159084 -20°C	CLOPROSTENOL [54276-21-0]	1 mg	83.25
	(16-(m-chlorophenoxy)-tetranor-prostaglandin F _{2α} sodium salt)		
	Sodium Salt Purity: 98% More potent than fluprostenol. Ref.: Dukes, M., et al., Nature, 250, 330 (1974). C ₂₂ H ₂₈ O ₆ ClNa MW 446.9		
153750 RT	CLORGYLINE [17780-72-2]	25 mg	26.10
	(N-Methyl-N-propargyl-3-(2,4-dichlorophenoxy)-propylamine)	50 mg	47.70
	Hydrochloride Monoamine Oxidase-A inhibitor. C ₁₃ H ₁₅ Cl ₂ NO • HCl MW 308.6	100 mg	86.75
159760 RT	CLOZAPINE [5786-21-0]	5 mg	7.00
	Potent, selective muscarinic antagonist. Also exhibits the highest reported affinity for 5-HT _{1A} and 5-HT _{1C} sites.	10 mg	12.25
	Ref.: Mason and Reynolds, Eur. J. Pharmacol., 221, 397 (1992).	50 mg	49.00
	C ₁₈ H ₁₉ N ₄ Cl MW 326.8	250 mg	215.00
26028 0-5°C	CLOZAPINE, [N-Methyl-³H] Sp. Act. 10-20 Ci/mmol	25μCi	204.95
	370-740 GBq/mmol	250μCi	908.35
	Ethanol under nitrogen Shipped in dry ice. Please call for delivery information. MW 326.45	4x250μCi	2060.45
COCHLOBOLIN A			
See: Ophiobolin A			
COLCEMID			
See: Demecolcine			
101406 RT	COLCHICINE [64-86-8]	100 mg	9.95
	Special Shipping Requirements: Hazardous Material. Contact Customer Service for details. \$8.00 additional service charge per shipment.	500 mg	28.50
	C ₂₂ H ₂₂ NO ₆ MW 399.4	1 g	47.50
		5 g	191.00
COMPOUND 5			
See: HDBA			
159026 0°C	COMPOUND 48/80 [94724-12-6]	50 mg	16.75
	Oligomeric mixture of condensation products from N-methyl-p-methoxyphenethylamine and formaldehyde. Protein G activator similar to mastoparan. Calmodulin and platelet PLC inhibitor. Also acts as a histamine releaser. Ref.: 1. Mousli, M., et al., FEBS Lett., 259, 260 (1990). 2. Gietzen, K., et al., Biochim. Biophys. Acta., 736, 109, (1983). 3. Gietzen, K., Biochem. J., 216, 611 (1983). 4. Bronner, C., et al., Biochim. Biophys. Acta., 920, 301 (1987). MW 630	100 mg	27.50

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999 1168
Outside the U.S.: (714) 545-0100, fax (714) 557-4872

www.icnbiomed.com
Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$
158893 0°C	CONDURITOL B EPOXIDE [6090-95-5] (α -1,2-Anhydro-myo-inositol)	5 mg 45.90 25 mg 183.45	153744 0-5°C	N⁶-CYCLOPENTYLADENOSINE [41552-82-3] A ₁ adenosine receptor agonist C ₁₉ H ₂₁ N ₅ O ₄ MW 335.4	25 mg 27.50 100 mg 75.00 250 mg 151.00
	Purity: 97% A potent, irreversible inhibitor of plant β -glucosidases and mammalian glucocerebrosidases. Ref.: 1. Legler, G., Hoppe-Seyler's Z. Physiol. Chem., 351 , 25 (1970). 2. Datta, S.C. and Radin, N.S., Biochem. Biophys. Res. Commun., 152 , 155 (1988). C ₈ H ₁₁ O ₅ MW 162.1				
	(±)-CPP See: (±)-3-(2-Carboxypiperazin-4-yl)propyl-1-phosphonic acid		153746 RT	8-CYCLOPENTYL-1,3-DIMETHYLXANTHINE [35873-49-5] (8-Cyclopentyltheophylline) A ₁ adenosine receptor antagonist C ₁₃ H ₁₈ N ₄ O ₂ MW 248.3	25 mg 36.15 100 mg 122.00
159577 RT	CROTON OIL [8001-28-3] (Tigilium Oil) d= 0.94g/ml POSSIBLE CARCINOGEN!	10 g 17.95 25 g 39.00 100 g 130.00	26029 0-5°C	8-CYCLOPENTYL-1,3-DIPROPYLXANTHINE, [Dipropyl-2,3-³H] (CPX) Sp. Act. 80-120 Ci/mmol 2.96-4.44 TBq/mmol Ethanol solution. Shipped with Dry Ice. Please call for delivery information. MW 304.0	250 μ Ci 532.40 1 mCi 1150.90
159909 -20°C	CV-6209 [117064-08-1] Purity: 97% Competitive antagonist to the PAF receptor. Inhibits platelet aggregation, hypotension, and lethality induced by PAF. Ref.: Terashita, Z., et al., J. Pharmacol. Exp. Ther., 242 , 263 (1987). MW 642.3	1 mg 86.00	153745 RT	8-CYCLOPENTYL-1,3-DIPROPYLXANTHINE [102146-07-6] (DPCPX, 1,3-Dipropyl-8-cyclopentylxanthine) A ₁ adenosine receptor antagonist C ₁₈ H ₂₂ N ₄ O ₂ MW 305.4	25 mg 39.50 50 mg 69.00 100 mg 128.00
150738 0-5°C	α-CYANO-3-HYDROXY-CINNAMIC ACID [54673-07-3] Purity: 99% Inhibitor of mitochondrial pyruvate transport. Ref.: Halestrap, A.P., Biochem. J., 148 , 85 (1975). C ₁₀ H ₁₁ NO ₃ MW 189.2	1 g 12.50 5 g 44.75	158895 0°C	CYCLOPIAZONIC ACID [18172-33-3] From <i>Penicillium cyclopium</i> Purity: 98% Intracellular Ca ²⁺ release inducer. Inhibits endoplasmic reticulum Ca ²⁺ -ATPase. Highly selective for sarcoplasmic reticulum Ca ²⁺ -ATPase. Ref.: Demaux, N., et al., J. Biol. Chem., 267 , 2318 (1992). 2. Goeger, D.E., et al., Biochem. Pharmacol., 37 , 978 (1988). 3. Seidler, N.W., et al., J. Biol. Chem., 264 , 17816 (1989). C ₂₀ H ₂₂ N ₂ O ₃ MW 336.4	5 mg 44.00 10 mg 79.75 50 mg 265.00
159761 RT	6-CYANO-7-NITROQUINOXALINE-2,3-DIONE [115066-14-3] (CNQX) Purity: >98% Potent, competitive and selective kainate/quisqualate (non-NMDA) receptor antagonist. C ₉ H ₈ N ₄ O ₄ MW 232.2	1 mg 11.50 5 mg 48.50 10 mg 85.00	153743 RT	5'-(N-CYCLOPROPYL)-CARBOXAMIDOADENOSINE [50908-62-8] Powerful A ₂ adenosine receptor agonist C ₁₃ H ₁₉ N ₅ O ₄ MW 320.3	10 mg 38.35 15 mg 54.70 25 mg 86.75
193641 0-5°C	(+)-CYCLOAZOCINE [3572-80-3] A sigma receptor antagonist which exhibits action on norepinephrine uptake. Ref.: Russi, J. Pharm. Sci., 74 , 97 (1985). C ₁₈ H ₂₃ NO MW 271.4	1 mg 16.55 5 mg 49.60	190316 0°C	L-CYCLOSERINE [339-72-0] (L-4-Amino-3-Isoxazolidinone) Crystalline Antibiotic substance Inhibitor of transaminases C ₈ H ₈ N ₂ O ₂ MW 102.1	10 mg 11.00 25 mg 20.25
153748 RT	N⁶-CYCLOHEXYLADENOSINE [36396-99-3] (CHA) C ₁₈ H ₂₃ N ₅ O ₄ MW 349.4	10 mg 19.85 50 mg 86.75	159762 0-5°C	CYCLOTHIAZIDE [2259-96-3] Strongly inhibits rapid glutamate receptor desensitization. Ref.: Yamada and Tang, J. Neurosci., 13 , 3904 (1993). C ₁₄ H ₁₉ N ₃ O ₄ S ₂ Cl MW 389.4	1 mg 8.50 5 mg 23.00 10 mg 41.00
159011 RT	1,6-bis-(CYCLOHEXYLOXIMINO-CARBONYLAMINO)-HEXANE (RHC-80267) Purity: 98% Specifically blocks diacylglycerol (DAG) lipase activity in various cell lines of multiple species. Ref.: 1. Balsinde, J., et al., J. Biol. Chem., 266 , 15638 (1991). 2. Southerland, C.A. and Amin, D., et al., <i>ibid.</i> , 257 , 14006 (1982). 3. Lindlisbacher, B., et al., J. Neurochem., 54 , 1247 (1990). 4. Natarajan, R., et al., Biochem. Biophys. Res. Commun., 156 , 171 (1988). MW 394.6	10 mg 74.55	158896 0-5°C	CYPERMETHRIN [52315-07-8] Mixture of 8 isomers Cypermethrin is a Type II pyrethrin and a potent inhibitor of calcineurin (protein phosphatase 2B). C ₂₂ H ₁₉ Cl ₂ NO ₃ MW 416.3	1 mg 8.75 10 mg 53.90
153747 RT	2-CYCLOOCTYL-2-HYDROXYETHYLAMINE [57559-31-6] Hydrochloride Phenylethanolamine N-methyltransferase inhibitor C ₁₀ H ₂₁ NO • HCl MW 207.8	1 mg 7.50 5 mg 21.00	193642 RT	CYPRIDIME [118111-51-6] (-)-N-(Cyclopropylmethyl)-4,14-dimethoxymorphinan-6-one) Hydrobromide A μ -opioid receptor antagonist. C ₂₂ H ₂₉ NO ₃ • HBr MW 436.4	1 mg 93.50

Neuroscience

One call. One source.
A world of biomedical products.

1169

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872

CATALOG
NUMBER

Neuroscience Products

U.S. \$

CATALOG
NUMBER

U.S. \$

190170 RT	CYPROHEPTADINE [41354-29-4] Hydrochloride Crystalline Serotonin antagonist, antihistaminic and possibly a calcium channel blocker. C ₂₃ H ₂₁ N • HCl MW 323.9 (ANHYDRATE)	25 mg 100 mg 250 mg	7.50 18.15 45.25
101444 RT	L-CYSTEINE [52-90-4] (β-Mercapto-L-alanine) Free Base Crystalline C ₃ H ₇ NO ₂ S MW 121.2	5 g 25 g 100 g 500 g	5.50 9.85 30.00 123.00
101446 RT	L-CYSTEINE [52-89-1] Hydrochloride Monohydrate Crystalline C ₃ H ₇ NO ₂ S • HCl • H ₂ O MW 175.6	25 g 100 g 500 g 1 kg	9.95 27.75 97.00 165.00 675.00
194646 RT	L-CYSTEINE [52-90-4] (β-Mercapto-L-alanine) Free Base Cell Culture Reagent Crystalline C ₃ H ₇ NO ₂ S MW 121.2	25 g 100 g 500 g 1 kg	14.00 43.00 171.00 319.00
194647 RT	L-CYSTEINE [52-89-1] Cell Culture Reagent Monohydrate Hydrochloride C ₃ H ₇ NO ₂ S • HCl • H ₂ O MW 175.6	25 g 100 g 500 g	15.00 40.80 142.20
101297 0°C	CYTIDINE-5'-DIPHOSPHOCHOLINE [33818-15-4] (CDP-Choline; Citicoline) From Yeast Monosodium Salt White crystalline powder.	10 mg 50 mg 100 mg 500 mg 1 g	7.75 22.00 31.50 99.00 167.00
150759 0°C	CYTIDINE-5'-DIPHOSPHOCHOLINE (CDP-Choline) Free Acid White crystalline powder CDP-Choline is an essential coenzyme in the biosynthesis of lecithin. This is a highly purified preparation of CDP-Choline but is less stable than the monosodium salt. C ₁₄ H ₂₆ N ₄ O ₁₁ P ₂ MW 488.3	10 mg 25 mg 50 mg	12.00 23.05 43.25
150769 0°C	CYTOCHALASIN A [14110-64-6] From <i>Helminthosporium dematioidesum</i> Crystalline Cytochalasins are fungal metabolites which exhibit interesting effects on cell activity. Important tools for cytological research. C ₂₃ H ₃₅ NO ₅ MW 477.6	1 mg	48.00
195119 0°C	CYTOCHALASIN B [14930-96-2] From <i>Drechslera dematidea</i> Crystalline Interesting tool for cytological research. C ₂₃ H ₃₅ NO ₅ MW 479.6	1 mg 5 mg 10 mg	21.50 84.00 150.00
150770 0°C	CYTOCHALASIN C [22144-76-9] From <i>Metarrhizium anisopliae</i> Crystalline C ₃₀ H ₃₉ NO ₆ MW 507.6	1 mg	56.50
150771 0°C	CYTOCHALASIN D [22144-77-0] From <i>Zygosporium mansonii</i> Crystalline C ₃₀ H ₃₉ NO ₆ MW 507.6	1 mg 5 mg	54.00 192.00
150772 0°C	CYTOCHALASIN E [36011-19-5] From <i>Aspergillus clavatus</i> Crystalline C ₂₈ H ₃₃ NO ₇ MW 495.6	1 mg 5 mg	46.75 154.00

-D-

158812 RT	DAIDZEIN [486-66-8] (4',7-Dihydroxyisoflavone) Purity: >98% A negative control for ICN Genistein ¹ (tyrosine kinase inhibitor, Cat. No. 152355). Ref.: 1. Akiyama, T., et al., (1987), J. Biol. Chem., 262 , 5592. MW 254.2	20 mg 100 mg	32.95 109.00
151463 RT	4-DAMP See: 4-Diphenylacetoxy-N-methylpiperidine methiodide		
151463 RT	DANAZOL [17230-88-5] (17β-Hydroxy-2,4,17α-pregnadien-20-yno)[2,3-d]-isoxazole) C ₂₃ H ₂₇ NO ₂ MW 337.5	100 mg 250 mg 1 g	27.30 58.10 195.00
159763 0-5°C	4-DANSYLAMINOPHENYLMERCURIC ACETATE [53282-60-3] (Maddocks' Reagent) Very sensitive reagent for fluorometric determination of thiol groups. Ref.: Maddocks and MacLachlan, The Lancet, 338 , 1043 (1991). C ₂₀ H ₂₀ N ₂ O ₄ SHg MW 585.0	1 mg 5 mg	13.75 42.40
157521 RT	DANTROLENE [14663-23-1] (1-[5-[p-Nitrophenyl]-furfurylidene]amino)hydantoin) Sodium Salt Inhibits intracellular calcium release C ₁₄ H ₉ N ₃ O ₃ Na MW 336.2	25 mg 100 mg 250 mg	10.25 36.50 78.00
	7β-DEACETYL-7β-(γ-N-METHYLPIPERAZINO)BUTYRYL FORSKOLIN See: Forskololn, 7β-deacetyl-7β-(γ-N-methylpiperazino)butyryl		
154278 0°C	DEBRISOQUIN SULFATE White solid mp 273-275°C (dec) Soluble in water: 2.9 g/100ml Purity: 99% C ₁₀ H ₁₃ N ₃ • 1/2H ₂ SO ₄ MW 224.3	10 mg 50 mg	9.50 30.95
159025 0°C	DECOVININE (U 7984) Purity: 99% An adenine-ketose antibiotic which specifically blocks GMP synthase. It decreases intracellular GTP levels. Ref.: 1. Suhadolnick, R.J., Nucleoside antibiotics, 96-121 (1970). 2. Glazebrook, M.A., J. Gen. Microbiol., 136 , 581 (1990). 3. Fouet, A. and Sonenshein, A.L., J. Bacteriol., 172 , 835 (1990). MW 279.2	1 mg 10 mg 25 mg	14.95 126.10 225.00
159578 0°C	6-(N-DECYLAMINO)-4-HYDROXYMETHYLINDOLE [123597-55-7] (DHI) Purity: 99% Synthetic protein kinase C activator C ₁₇ H ₃₃ N ₂ O MW 302.5	1 mg	33.95
154279 -20°C	5,6-DEHYDROARACHIDONIC ACID [58688-54-3] Purity: 95% Solution in ethanol Selective, irreversible inhibitor of 5-lipoxygenase. C ₂₀ H ₃₀ O ₂ MW 302.5	10 µg 50 µg 100 µg	49.75 195.00 350.00
159662 RT	9,21-DEHYDRORYANODINE [94513-55-0] From <i>Ryania speciosa</i> Purity: 96% C ₂₈ H ₃₃ NO ₃ MW 491.5	1 mg	88.90

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999 1170
Outside the U.S.: (714) 545-0100, fax (714) 557-4872www.icnbiomed.com
Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$		
158898 0-5°C	DELTAMETHRIN	1 mg	10.00	159580 0°C	12-DEOXYPHORBOL 13-ANGELATE [28152-96-7] Purity: 99% POSSIBLE CARCINOGEN C ₂₈ H ₃₄ O ₆ MW 430.6		
		10 mg	77.10			1 mg	86.00
		25 mg	183.75				
	(S)- α -cyano-3-phenoxybenzyl-(1R)-cis-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate This is a Type II pyrethrin and a potent inhibitor of calcineurin (protein phosphatase 2B). C ₂₂ H ₁₉ Br ₂ NO ₃ MW 505.2			159581 0°C	12-DEOXYPHORBOL 13-ANGELATE 20-ACETATE [25090-72-6] Purity: 99% Weak tumor promoter (mouse skin), but moderately strong irritant. POSSIBLE CARCINOGEN C ₂₇ H ₃₄ O ₇ MW 472.6		
190195 0-5°C	DEMECOLCINE	1 mg	19.90	159583 0°C	12-DEOXYPHORBOL 13-ISOBUTYRATE 20-ACETATE [25090-71-5] Purity: 99% Very weak tumor promoter (mouse skin), but moderately strong irritant. POSSIBLE CARCINOGEN C ₂₈ H ₃₄ O ₇ MW 460.6		
		5 mg	48.50			1 mg	86.00
		10 mg	86.50				
	Crystalline Used to immobilize chromosomes by inactivating the spindle fiber mechanism during metaphase. Binds tubulin and interferes with microtubule-dependent cell functions. Ref.: Ray, K., et al., Eur. J. Biochem., 142 , 577 (1984). C ₂₂ H ₂₃ NO ₅ MW 371.4	50 mg	340.00				
158899 -20-0°C	DENDROTOXIN	100 μ g	145.00	159584 0°C	12-DEOXYPHORBOL 20-METHOXYTRITYL ETHER [123597-60-4] Purity: 96% min. Intermediate for synthesis of 12-deoxyphorbol derivatives. POSSIBLE CARCINOGEN C ₄₀ H ₄₄ O ₈ MW 620.8		
						1 mg	66.00
	From <i>Dendroaspis angusticeps</i> Inhibits several outward voltage dependent K ⁺ channels, specifically the transient outward current (A current). Ref.: 1. Holliwel, J.V., et al., Proc. Natl. Acad. Sci. USA, 83 , 493 (1986). 2. Dolly, J.O., Trends Neurosci., 11 , 186 (1988). 3. Castle, N.A., et al., ibid., 12 , 509 (1989). 4. Scott, V.E.S., et al., J. Biol. Chem., 265 , 20094 (1990).						
193942 -20°C	DENDROTOXIN I	140 μ g	175.00	159585 0°C	12-DEOXYPHORBOL 13-PHENYLACETATE [58821-98-0] Purity: 99% POSSIBLE CARCINOGEN C ₂₃ H ₃₄ O ₆ MW 466.6		
						1 mg	66.00
	From <i>Dendroaspis p. polylepsis</i> The most potent of all Dendrotoxins. Ref.: Benoit, et al., Brain Res., 377 , 374 (1986). MW 6936						
193939 -20°C	β-DENDROTOXIN	35 μ g	189.25	158902 -20-0°C	12-DEOXYPHORBOL 13-PHENYLACETATE 20-ACETATE [54662-30-5] (dPPA) Purity: 99% Specifically activates PKC β . More potent for the β isozyme than for the α , γ , δ , or ϵ . Ref.: Evans, F.J., et al., Biochem. Soc. Trans., 19 , 397 (1991). MW 508.6		
						1 mg	86.00
	From <i>Dendroaspis angusticeps</i> Selectively inhibits non-inactivated, voltage-gated, α -dendrotoxin-insensitive K ⁺ channels found in rat brain synaptosomes and voltage dependent delayed rectifier, K ⁺ current in vascular smooth muscle cells. Ref.: Benishin, et al., Mol. Pharmacol., 34 , 152 (1988). MW 7000						
150802 RT	(+)-1-DEOXYMANNOJIRIMYCIN	1 mg	24.00	151469 0°C	D-(+)-DEPRENYL (N, α -dimethyl-N-2-propynyl-benzeneethanamine) Hydrochloride Inactive enantiomer MW 223.8		
		5 mg	80.00			10 mg	26.00
		10 mg	146.00			50 mg	106.15
	Hydrochloride Inhibits processing of N-linked glycoproteins by inhibiting the action of mannosidases 1A/B. Ref.: Bischoff, J., et al., J. Biol. Chem., 261 , 4766 (1986). C ₈ H ₁₃ NO ₄ • HCl MW 199.6						
150819 0-5°C	(+)-1-DEOXYNOJIRIMYCIN	1 mg	23.00	158903 RT	R-(-)-DEPRENYL [14611-52-0] Hydrochloride Purity: 98% MAO-B inhibitor. Therapeutic agent for Parkinson's Disease. Ref.: 1. Tetrad, J.W. and Langston, J.W., Science, 245 , 519 (1989). 2. Lewin, R., Science, 230 , 527 (1985). MW 223.75		
		5 mg	76.00			100 mg	20.75
		10 mg	135.00			250 mg	46.50
	Hydrochloride Interferes with normal processing of N-linked glycoproteins, producing reduced amounts of complex type oligosaccharides. Ref.: J. Biol. Chem., 257 , 14155 (1982). C ₈ H ₁₃ NO ₄ • HCl MW 199.7			500 mg	80.75		
159579 0°C	12-DEOXYPHORBOL 13-ACETATE	1 mg	86.00	157562 RT	DEQUALINIUM CHLORIDE [522-51-0] Crystalline C ₃₀ H ₄₀ N ₄ Cl ₂ MW 527.6		
						1 g	13.80
						5 g	44.75
	[60857-08-1] (Prostratin) Isolated from strathmore weed Weak mouse ear irritant POSSIBLE CARCINOGEN C ₂₂ H ₃₀ O ₆ MW 390.5						
153543 RT	DESIPRAMINE	250 mg	9.75	159581 0°C	12-DEOXYPHORBOL 13-ANGELATE 20-ACETATE [25090-72-6] Purity: 99% Weak tumor promoter (mouse skin), but moderately strong irritant. POSSIBLE CARCINOGEN C ₂₇ H ₃₄ O ₇ MW 472.6		
		1 g	25.00			1 mg	86.00
	[10,11-Dihydro-N-methyl-5H-dibenz[<i>b,f</i>]azepine hydrochloride) Hydrochloride A norepinephrine uptake inhibitor. C ₁₈ H ₂₃ ClN ₂ MW 302.8						

Neuroscience

One call. One source.
A world of biomedical products.

1171

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872



Neuroscience Products

CATALOG
NUMBER

U.S. \$

CATALOG
NUMBER

U.S. \$

158904 RT	DESPROPIONYL FENTANYL	1 mg	67.00
	Purity: 99% Urinary metabolite of fentanyl. Ref.: Van Rooy, H., et al., J. Chromatography, 223 , 85 (1981). MW 280.4	5 mg	295.00
158905 RT	DESPROPIONYL-3-METHYL FENTANYL	1 mg	86.00
	Purity: 99% Urinary metabolite of 3-methylfentanyl. Ref.: Hammargren, W.R. and Henderson, G.L., J. Anal. Toxicol., 12 , 183 (1988). MW 294.4		
190040 0-5°C	DEXAMETHASONE	25 mg	10.95
	[50-02-2]	100 mg	25.00
	(9 α -Fluoro-16 α -methylprednisolone)	500 mg	74.50
	Crystalline	1 g	110.00
		5 g	395.00
194560 0-5°C	DEXAMETHASONE	1 mg	19.85
	[50-02-2] (9 α -Fluoro-16 α -methylprednisolone) Cell Culture Reagent Gamma Irradiated Crystalline C ₂₂ H ₂₃ FO ₅ MW 392.5		
194561 0-5°C	DEXAMETHASONE	25 mg	11.95
	[50-02-2]	100 mg	29.00
	(9 α -Fluoro-16 α -methylprednisolone)	500 mg	88.50
	Cell Culture Reagent Crystalline C ₂₂ H ₂₃ FO ₅ MW 392.5	1 g	132.00
150820	(+)-DEXETIMIDE	1 mg	21.05
	(3-phenyl-1'-(phenylmethyl)-[3,4'-bipiperidine]-1,2,6-dione hydrochloride) Hydrochloride Ref.: (1) Spek, et al., Nature, 232 , 575 (1971); (2) De Smedt, et al., J. Clin. Pharmacol. 10 , 207 (1970).	5 mg	31.80
153544 RT	DEXTROMETHORPHAN	250 mg	5.50
	[125-69-9]	1 g	11.00
	(3-Methoxy-17-methyl-9 α ,13 α ,14 α -morphinan hydrobromide) Hydrobromide C ₁₈ H ₂₃ NO • HBr MW 352.3	5 g	18.50
153741 RT	DEXTORPHAN-D-TARTRATE	50 mg	31.75
	[125-73-5]	150 mg	80.20
	(+)-3-Hydroxy-N-methylmorphinan-D-tartrate Noncompetitive NMDA antagonist C ₁₇ H ₂₃ NO • C ₄ H ₆ O ₆ MW 407.47	250 mg	122.95
152409 0-5°C	DIACYLGLYCEROL KINASE INHIBITOR I	1 mg	19.95
	[93076-89-2] (R59022; 6-[2-[4-[(4-fluorophenyl)phenylmethylene]-1-piperidinyl]ethyl]-7-methyl-5H-thiazolo-[3,2-a]pyrimidin-5-one; DKI) The elevation of diacylglycerol became of major importance when diacylglycerol was shown to stimulate protein kinase C, making this lipid a candidate for a second messenger function in the signal transduction system. In intact cells, diacylglycerol is rapidly phosphorylated into phosphatidic acid by diacylglycerol kinase and reverses the protein kinase C activity. DKI was found to inhibit diacylglycerol kinase. In human red blood cell membranes and in intact platelets, the concentrations needed for half maximal inhibition ranged from 2 to 4 x 10 ⁻⁹ M. C ₂₇ H ₂₉ N ₃ OSF MW 459.6	5 mg	68.25

154284 0-5°C	DIACYLGLYCEROL KINASE INHIBITOR II	1 mg	19.95
	[120166-69-0] (R59949; 3-[2-[4-[bis(4-fluorophenyl)methylene]-1-piperidinyl]ethyl]-2,3-dihydro-2-thioxo-4(1H)-quinazolinone) Purity: 99% Inhibitor of human platelet DAG kinase. More potent than R 59022. C ₂₈ H ₂₅ F ₂ N ₃ O ₂ S MW 489.6	5 mg	68.25
150835 0°C	2,4-DIAMINO-6-HYDROXYPYRIMIDINE	1 g	5.50
	[56-06-4]	5 g	14.50
	Crystalline Purity: ~98% A selective inhibitor of GTP cyclohydrolase I, and a suppressor of nitric oxide synthase. C ₄ H ₆ N ₄ O MW 126.1	25 g	28.50
150839 RT	2,3-DIAMINONAPHTHALENE	250 mg	23.00
	[771-97-1] 2,3-Naphthalenediamine)	1 g	72.00
	Used for determination of selenium. Also used for the detection of nitric oxide via a sensitive fluorometric assay of nitrite (NO ₂). C ₁₀ H ₈ N ₂ MW 158.2	5 g	246.00
159765 RT	N-(DIAMINOPHOSPHINYL)-4-FLUORO BENZAMIDE	1 mg	7.25
	[70788-28-2] (Fluorofamine) Urease inhibitor C ₇ H ₉ N ₃ O ₂ PF MW 217.1	5 mg	18.65
		25 mg	74.55
105485 0°C	N⁶, O²-DIBUTYRYLADENOSINE-3',5'-cyclic-MONOPHOSPHATE	25 mg	20.75
	[16980-89-5] Sodium Salt	50 mg	30.20
		100 mg	53.00
		500 mg	238.55
105486 0°C	N⁶, 2'-O-DIBUTYRYL GUANOSINE-3',5'-cyclic-MONOPHOSPHATE	1 mg	14.85
	[51116-00-8] (Dibutyryl-cGMP) Sodium Salt Purity: 96% Activates cGMP-dependent protein kinase and inhibits thrombin induced arachidonic acid release in human platelets. Ref.: 1. Meyer, R.B. and Miller, J.P., Life Sci., 14 , 1019 (1974). 2. Francis, S.G. et al., <i>ibid.</i> , 34 , 506 (1988). 3. Schultz, K.D., et al., Naunyn-Schmiedeberg's Arch. Pharmacol., 306 , 1 (1979). 4. Sane, D.C. et al., Biochem. Biophys. Res. Commun., 165 , 708 (1989). C ₁₈ H ₂₃ N ₅ O ₈ PNa MW 507.4	5 mg	46.00
		10 mg	85.00
		50 mg	392.00
157639 0°C	5,6-DICHLOROBENZIMIDAZOLE RIBOSIDE	1 mg	7.50
	[53-85-0] (DRB); 5,6-Dichloro-1-β-D-ribofuranosylbenzimidazole) Purity: 98% Selectively inhibits casein kinase II. Blocks RNA synthesis by inhibiting RNA polymerase II transcription dependent on CK-II Ref.: Zandomeni, R., et al., J. Biol. Chem., 261 , 3414 (1986). C ₁₂ H ₁₂ Cl ₂ N ₂ O ₄ MW 319.1	5 mg	23.50
		10 mg	39.15
		50 mg	150.00
159769 RT	4,6-DICHLOROINDOLE-2-CARBOXYLIC ACID	1 mg	13.75
	Potent NMDA antagonist at the glycine site. Reportedly stronger than kynurenic acid. Ref.: Salturo, et al., J. Med. Chem., 33 , 2945 (1990). C ₉ H ₅ NO ₂ Cl ₂ MW 230.1	5 mg	32.00
		25 mg	140.00

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872

1172

www.icnbiomed.com
Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$
158836	3,4-DICHLOROISOCOUMARIN [51050-59-0] 0-5°C	1 mg 28.50 5 mg 115.00 10 mg 199.75	157667	2',3'-DIDEOXYADENOSINE 5'-TRIPHOSPHATE [93939-70-9] 0°C	1 mg 72.00 5 mg 315.00
<p>Reversible inhibitor of serine proteases, including chymotrypsin, trypsin, clotting factors Xla and Xla. Also inhibits some endopeptidase such as protease (Staph. V-8). Does not inhibit papain. Ref.: Harper, J.W., et al., <i>Biochemistry</i>, 24, 1831 (1985). $C_9H_4O_2Cl_2$ MW 215</p>			<p>1 mg is approx. 2 μmoles. Inhibits chain elongation typically catalyzed by DNA polymerase I. Ref.: Sanger, F., et al., <i>Proc. Nat. Acad. Sci. USA</i>, 74, 5463 (1977).</p>		
158907	5,7-DICHLOROKYNURENIC ACID [131123-76-7] RT	05 mg 14.95 25 mg 54.00	157668	2',3'-DIDEOXYCYTIDINE 5'-TRIPHOSPHATE [93939-77-6] 0°C	1 mg 120.00 5 mg 450.00
<p>Potent antagonist at the glycine site NMDA receptor. Ref.: 1. Baron, B.M., et al., <i>Mol. Pharmacol.</i>, 38, 554 (1990), 2. Leeson, P.D., et al., <i>J. Med. Chem.</i>, 34, 1243 (1991). $C_{10}H_8NO_3Cl_2$ MW 258.1</p>			<p>1 mg is approx. 2 μmoles. Inhibitor of DNA polymerase I - catalyzed chain elongation. Ref.: Sanger, F., et al., <i>Proc. Nat. Acad. Sci. USA</i>, 74, 5463 (1977).</p>		
159912	cis-(±)-3,4-DICHLORO-N-METHYL-N-(2-[1-PYRROLIDINYL]CYCLOHEXYL)BENZENEACETAMIDE [92953-41-8] RT	1 mg 17.50 5 mg 75.00 10 mg 127.00	157669	2',3'-DIDEOXYGUANOSINE 5'-TRIPHOSPHATE [93939-69-6] 0°C	1 mg 131.70
<p>(U-54494A) Hydrochloride Purity: 98% Potent NMDA antagonist Ref.: Setny, V.H. and Sage, G.P. <i>Sage Neuropharmacol.</i>, 31, 111 (1992). MW 391.8</p>			<p>1 mg is approx. 2 μmoles. Inhibitor of DNA polymerase I - catalyzed chain elongation. Ref.: Sanger, F., et al., <i>Proc. Nat. Acad. Sci. USA</i>, 74, 5463 (1977).</p>		
157646	trans-(±)-3,4-DICHLORO-N-METHYL-N-(2-[1-PYRROLIDINYL]CYCLOHEXYL)BENZENEACETAMIDE [83913-06-8] 0-5°C	10 mg 27.00 50 mg 108.00 100 mg 200.00	158911	1,4-DIDEOXY-1,4-IMINO-D-MANNITOL [100937-52-8] 0-5°C	1 mg 91.70
<p>(U-50488H) Methanesulfonate Salt A kappa opioid agonist Ref.: 1. Gillan, M.G.C. and Kosterlitz, H., <i>Br. J. Pharmacol.</i>, 77, 461 (1982), 2. VonVoigtlander, P.F., et al., <i>J. Pharm. Exp. Ther.</i>, 224, 7 (1983). $C_{19}H_{26}Cl_2N_2O \cdot CH_3SO_3$ MW 464.4</p>			<p>Mannosidase inhibitor. Ref.: Fleet, G.W.J., et al., <i>J. Chem. Soc. Chem. Commun.</i>, 1240 (1984). MW 163.2</p>		
159770	5,7-DICHLOROTHIOKYNURENIC ACID [135025-62-6] -20°C	1 mg 8.95 5 mg 26.25	193644	DIETHYLAMINE bis(NITRIC OXIDE) ADDUCT 0-5°C	1 mg 7.50 5 mg 26.45 25 mg 110.00
<p>(5,7-Dichloro-4-mercaptoquinoline-2-carboxylic acid) NMDA receptor antagonist. $C_{10}H_8NO_3S_2Cl_2$ MW 274.1</p>			<p>Releases Nitric Oxide (NO) into aqueous solutions. $C_8H_{12}N_4O_2$ MW 206.3</p>		
157660	DICLOFENAC [15307-79-6] RT	10 g 22.05 25 g 49.00 100 g 155.00	158912	3β-(2-DIETHYLAMINO-ETHOXY)ANDROSTENONE (U-18666A) RT	1 mg 10.75 5 mg 43.95
<p>Sodium Salt Cyclooxygenase inhibitor $C_{17}H_{15}Cl_2NO_2Na$ MW 318.1</p>			<p>Hydrochloride Purity: 99% Inhibits 2,3-oxidosqualene-lanosterol cyclase activity prohibiting the biosynthesis of cholesterol. Also demonstrates inhibition of the intracellular transport of LDL-Cholesterol in CHO cells. Ref.: 1. Sexton, R.C., et al., <i>Biochemistry</i>, 22, 5687 (1983), 2. Liscum, L. and Faust, J., <i>J. Biol. Chem.</i>, 264, 11796 (1989). MW 424.1</p>		
158909	(±)-1,2-DIDECANOYLGLYCEROL (10:0) -20-0°C	1 mg 7.50 5 mg 18.95	153738	10-(α-DIETHYLAMINO-PROPIONYL)-PHENOTHIAZINE RT	25 mg 26.10 50 mg 47.70 100 mg 86.75
<p>[82950-64-9] (1,2-Didecanoyl-rac-glycerol (c10:0); 1,2-Dicaprin) Purity: 98% Promotes protein kinase C in platelets. Ref.: 1. Go, M., et al., <i>Biochem. Biophys. Res. Commun.</i>, 144, 598 (1987), 2. Lapetina, E.G., et al., <i>J. Biol. Chem.</i>, 260, 1358 (1985). $C_{22}H_{44}O_5$ MW 400.6</p>			<p>Hydrochloride $C_{19}H_{22}N_2OS \cdot HCl$ MW 362.9</p>		
158910	2',5'-DIDEOXYADENOSINE [6698-26-6] 0°C	1 mg 29.00 5 mg 125.00 10 mg 215.00 25 mg 475.00	150889	DIETHYLDITHIOCARBAMIC ACID [20624-25-3] 0°C	10 g 10.00 50 g 21.45 100 g 35.70 500 g 143.30
<p>Inhibitor of adenylyl cyclase. Ref.: Holgate, S.T., et al., <i>Proc. Natl. Acad. Sci. USA</i>, 77, 6800 (1980). $C_{10}H_{13}N_5O_2$ MW 235.2</p>			<p>Reagent for copper determination. Also inhibits induction of macrophage nitric oxide synthase. $C_8H_{10}NS_2Na \cdot 3H_2O$ MW 225.3</p>		
153739	1,3-DIETHYL-8-PHENYLXANTHINE [75922-48-4] 0-5°C	25 mg 28.85 50 mg 55.70 100 mg 101.25	153739	1,3-DIETHYL-8-PHENYLXANTHINE 0-5°C	25 mg 28.85 50 mg 55.70 100 mg 101.25
			<p>A_1 Adenosine receptor antagonist $C_{19}H_{19}N_4O_2$ MW 284.3</p>		

Neuroscience

One call. One source.
A world of biomedical products.

1173

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872



CATALOG
NUMBER

Neuroscience Products

CATALOG
NUMBER

U.S. \$

158913 -20°C	N¹, N²-DIETHYLSPERMINE Tetrahydrochloride Purity: 98% Demonstrates antineoplastic activity. Inhibitor of polyamine synthesis. Ref.: Porter, C.W., et al., <i>Biochem. J.</i> , 268 , 207 (1990). MW 404.3	1 mg 10 mg	12.75 64.20
193645 0-5°C	DIHYDREXIDINE Hydrochloride A potent D ₁ dopamine agonist that exhibits no agonist activity at D ₂ receptors. Ref.: Kohli, et al., <i>Eur. J. Pharmacol.</i> , 235 , 31 (1993). C ₁₇ H ₁₇ NO ₂ • HCl MW 303.8	1 mg	30.85
	DIHYDROCAPSAICIN See: 8-Methyl-N-vanillylnonanamide		
159771 RT	DIHYDROERGOCRYSTINE [24730-10-7] Methanesulfonate Salt A 5-HT receptor antagonist. C ₂₃ H ₄₁ N ₅ O ₅ • CH ₃ SO ₃ H MW 707.8	25 mg	28.65
159772 RT	DIHYDROERGOTAMINE [11032-41-0] Methanesulfonate Salt A 5-HT antagonist. C ₃₃ H ₃₇ N ₅ O ₅ • CH ₃ SO ₃ H MW 679.8	10 mg 25 mg 100 mg	9.75 18.50 58.25
153740 -20-0°C	3,4-DIHYDROXYBENZYLAMINE [16290-26-9] Hydrobromide C ₇ H ₉ NO ₂ • HBr MW 220.1	25 mg 100 mg 250 mg	7.30 13.50 28.95
153737 0-5°C	R(-)-2,11-DIHYDROXY-10- METHOXYAPORPHINE [6032-66-2] (-)-Morphothebaine (HCl) Hydrochloride Dopamine receptor agonist C ₁₈ H ₁₉ NO ₃ • HCl MW 333.8	1 mg 5 mg 25 mg	7.95 15.00 31.50
101578 RT	L-β-3,4-DIHYDROXYPHENYL- ALANINE [59-92-7] (L-Dopa, L-3-Hydroxytyrosine) Purity: 99% Crystalline Used in treatment of Parkinsonism. Also an inhibitor of tyrosine aminotransferase. C ₉ H ₁₁ NO ₄ MW 197.2	250 mg 1 g 5 g 25 g 100 g 500 g	4.95 9.95 18.50 68.75 268.00 650.00
16032 0-5°C	DL-3,4-DIHYDROXYPHENYLALANINE, [Alanine-1-¹⁴C] (DL-Dopa) 3,4-(OH) ₂ C ₆ H ₃ CH ₂ CH(NH ₂)COOH Sp. Act. 50-60 mCi/mmol 1.85-2.22 GBq/mmol Ethanol solution MW 197.2	50 μCi	459.65
26030 0-5°C	L-3,4-DIHYDROXYPHENYLALANINE, [Ring-2,5,6-³H] (L-Dopa) Sp. Act. 20-60 Ci/mmol 0.74-2.22 TBq/mmol 0.01N KH ₂ PO ₄ solution (pH 3.0). 3,4-(OH) ₂ C ₆ H ₃ CH ₂ CH(NH ₂)COOH MW 197.2	250 μCi 1 mCi	593.05 1332.80
26033 0-5°C	3,4-DIHYDROXYPHENYL- ETHYLAMINE, [8-³H(N)] (Dopamine) Sp. Act. 15-30 Ci/mmol 0.555-1.11 TBq/mmol Ethanol solution. Please call for delivery information. 3,4-(OH) ₂ C ₆ H ₃ CH ₂ CH ₂ NH ₂ MW 153.0	250 μCi 1 mCi	302.00 605.15

16029 0-5°C	3,4-DIHYDROXYPHENYL- ETHYLAMINE, [8-¹⁴C] (Dopamine) Sp. Act. 40-60 mCi/mmol 1.48-2.22 GBq/mmol Ethanol solution. Please call for delivery information. 3,4-(OH) ₂ C ₆ H ₃ CH ₂ CH ₂ NH ₂ MW 153.0	250 μCi 1 mCi	969.00 2060.45
26031 0-5°C	3,4-DIHYDROXYPHENYL- ETHYLAMINE, [7,8-³H(N)] (Dopamine) Sp. Act. 30-60 Ci/mmol 1.11-2.22 TBq/mmol Ethanol solution. Please call for delivery information. 3,4-(OH) ₂ C ₆ H ₃ CH ₂ CH ₂ NH ₂ MW 153.0	250 μCi 1 mCi 5 mCi	217.10 447.50 1332.80
26032 0-5°C	3,4-DIHYDROXYPHENYL- ETHYLAMINE, [7-³H(N)] (Dopamine) Sp. Act. 15-30 Ci/mmol 0.555-1.11 TBq/mmol Ethanol solution. Please call for delivery information. 3,4-(OH) ₂ C ₆ H ₃ CH ₂ CH ₂ NH ₂ MW 153.0	250 μCi 1 mCi	302.00 605.15
101580 0-5°C	3,4-DIHYDROXYPHENYL- ETHYLAMINE [62-31-7] (Dopamine, 3-Hydroxytyramine) Hydrochloride Purity: 99% Crystalline Precursor of adrenaline. C ₉ H ₁₁ NO ₂ • HCl MW 189.6	1 g 5 g 25 g	11.15 33.00 145.50
153736 RT	(±)-threo-DIHYDROXY- PHENYL SERINE [3916-18-5] (±)-threo-DOPS) Noradrenaline precursor which elevates noradrenaline concentrations in the brain. C ₉ H ₁₁ NO ₃ MW 213.2	1 mg 5 mg 25 mg	8.95 17.00 35.00
158915 -20°C	24(R),25-DIHYDROXYVITAMIN D₃ Purity: 99% A significant vitamin D ₃ metabolite. Also, mediates homeostasis between calcium and phosphorus. Ref.: 1. DeLuca, H.F. and Schroes, H.K., <i>Annu. Rep. Med. Chem.</i> , 19 , 179 (1984). 2. Norman, A.W., <i>Life Sci.</i> , 27 , 229 (1980). MW 416.6	50 μg	347.75
159774 RT	DILAZEP [35898-87-4] Inhibits adenosine uptake and platelet aggregation; Coronary vasodilator. C ₃₁ H ₄₄ N ₂ O ₁₀ MW 604.7	1 mg 5 mg	12.50 31.00
151496 0-5°C	DILTIAZEM [33286-22-5] (cis-(-)-3-(Acetoxy)-5-[2-(dimethyl-amino)et hyl]-2,3-dihydro-2-(4-methoxy-phenyl)-1,5-be nzothiazepin -4(5H)-one) Hydrochloride Calcium antagonist. Diltiazem HCl has been found to inhibit contraction of smooth muscles, especially coronary arteries. Crystalline C ₂₂ H ₂₆ N ₂ O ₄ S • HCl MW 451	1 g 5 g 10 g	31.25 118.50 211.95
153733 RT	DIMAPRIT [23256-33-9] (S)-(3-Dimethylaminopropyl)- isothioureia dihydrochloride) Dihydrochloride H ₂ Histamine agonist C ₆ H ₁₅ N ₃ S • 2HCl MW 234.2	1 mg 5 mg 25 mg	8.00 17.00 35.00

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999 1174
Outside the U.S.: (714) 545-0100, fax (714) 557-4872

www.icnbiomed.com
Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$
150921 RT	3,4-DIMETHOXY-PHENETHYLAMINE [120-20-7] (Homoveratrylamine) Catecholamine involved in schizophrenia. Ref.: Nature, 231, 22 (1971). 1 ml = 1.07 g C ₁₀ H ₁₃ NO ₂ MW 181.2	5 ml 5.00	158807 RT	6,7-DINITROQUINOXALINE-2,3-DIONE [2379-57-9] (DNQX) Purity: >98% Selective non-NMDA receptor antagonist. Ref.: Honore, T., et al., (1988), Science, 241, 701. C ₈ H ₄ N ₄ O ₆ MW 252.1	10 ml 7.40
		25 ml 16.00			10 mg 36.75
		100 ml 43.70			50 mg 162.00
153583 0-5°C	2-(2,6-DIMETHOXYPHENOXY-ETHYL)AMINOMETHYL-1,4-BENZODIOXANE [613-67-2] (WB-4101) Hydrochloride An α -adrenergic antagonist Ref.: Norman, A.B., Molec. Pharmacol., 28, 487 (1985). C ₁₉ H ₂₃ NO ₅ • HCl MW 381.9	10 mg 7.50	154226 0-5°C	sn-1,2-DIOCTANOYLGLYCEROL [60514-48-9] Purity: >98% Shipped with dry ice to reduce isomerization on request only. C ₁₉ H ₃₆ O ₅ MW 344.6	5 mg 25.50
		25 mg 15.00			10 mg 44.25
		100 mg 51.00			50 mg 114.00
159727 RT	N,N-bis-(3,4-DIMETHOXY-PHENYLETHYL)-N-METHYLAMINE [33978-72-2] (YS-035) Hydrochloride A calcium blocker that also inhibits potassium outward currents. C ₂₁ H ₂₉ NO ₄ • HCl MW 395.9	1 mg 13.75	159589 0-5°C	DIOCTANOYLGLYCOL Inhibitor for diacylglycerol kinase. Ref.: Bishop, et al., J. Biol. Chem., 26, 6993 (1986). C ₁₈ H ₃₄ O ₄ MW 314.5	25 mg 18.35
		5 mg 42.40			100 mg 64.20
		193647 RT			N⁶-[2-(3,5-DIMETHOXYPHENYL)-2-(2-METHYLPHENYL)ETHYL]ADENOSINE [120442-40-2] (DPMA) An A ₂ adenosine receptor agonist. C ₂₁ H ₂₁ N ₅ O ₆ MW 521.3
5 mg 29.50	5 mg 26.50				
25 mg 125.00	20 mg 86.00				
101593 0°C	6-DIMETHYLAMINOPURINE [938-55-6] (N ⁶ ,N ⁷ -Dimethyladenine) Crystalline Purity: >98% Protein kinase inhibitor. Ref.: Szollosi, M.S., et al., Jour. of Cell Sci., 37(23), 3886-3888 (1993). C ₇ H ₉ N ₅ MW 163.2	100 mg 14.25	16028 0-5°C	DIOLEOYL-rac-GLYCEROL, [Oleoyl-1-¹⁴C] (Diolein) Sp. Act. 1-5 mCi/mmol 37-185 GBq/mmol Ethanol:toluene (1:1) solution. Please call for delivery information. MW 621.0	50 μ Ci 459.65
		250 mg 28.00			250 μ Ci 1211.55
		500 mg 45.50			
158916 0-5°C	1,4-DIMETHYLENDOTHALL [109282-27-1] C ₁₀ H ₁₁ O ₅ MW 214.2	1 mg 11.50	153720 0-5°C	(+)-cis-DIOXOLANE [16709-43-6] {(+)-cis-2-methyl-4-trimethylammoniummethyl-1,3-dioxolane iodide} This product is a 60:40 mixture of cis,trans diastereomers as determined by NMR. C ₆ H ₁₁ NO ₃ MW 287.1	1 mg 19.00
		10 mg 57.05			5 mg 76.00
		193649 RT			3,7-DIMETHYL-1-PROPARGYLXANTHINE [14114-46-6] (DMPX) Selective A ₂ adenosine receptor antagonist. C ₁₀ H ₁₀ N ₄ O ₂ MW 218.2
5 mg 68.35	50 g 15.85				
25 mg 296.95	100 g 27.45				
153723 RT	3,5-DINITROCATÉCHOL [7659-29-2] (3,5-Dinitro-1,2-benzenediol) Catechol O-methyl transferase (COMT) inhibitor C ₆ H ₄ N ₂ O ₆ MW 200.1	1 mg 11.00	158793 RT	4-DIPHENYLACETOXY-N-METHYL-PIPERIDINE METHIODIDE [1952-15-4] (4-DAMP) M ₃ muscarinic receptor antagonist. Purity: >98% Ref.: Barlow, R.B. & Shepherd, M.K., (1986), Br. J. Pharmacol., 89, 837. 2. Michel, A.D., et al., (1989), Eur. J. Pharmacol., 166, 459. MW 451.4	1 mg 7.95
		5 mg 35.00			5 mg 19.00
		25 mg 122.90			25 mg 38.75
159776 RT	5,7-DINITROQUINOXALINE-2,3-DIONE [125910-83-0] (MNQX) Shows preferential antagonist activity at NMDA receptors. C ₈ H ₄ N ₄ O ₆ MW 252.1	1 mg 30.95	193650 -20°C	DIPHENYLENEIODONIUM CHLORIDE [4673-26-1] Purity: >98% A powerful inhibitor of important enzymes including NADH reductase, Oxidase and endothelial Nitric Oxide Synthase. Ref.: Dodd-O, J.M., et al., Brit. Jour. of Pharmacol., 120(5), 857-864 (1997). C ₁₂ H ₈ Cl MW 314.6	5 mg 18.00
		5 mg 123.80			25 mg 71.85
		193651 -20°C			DIPHENYLENEIODONIUM SULFATE A Nitric Oxide Synthase inhibitor. C ₁₂ H ₈ S ₂ • 1/2 SO ₄ MW 327.1
25 mg 52.90	25 mg 52.90				
50 mg 94.80	50 mg 94.80				

One call. One source.
A world of biomedical products.

1175 To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872



CATALOG
NUMBER

Neuroscience Products

CATALOG
NUMBER

U.S. \$

153719 0-5°C	1,3-DIPROPYL-8-(2-AMINO-4-CHLOROPHENYL)-XANTHINE [85872-51-1] (PACPX) Adenosine antagonist. C ₁₇ H ₁₉ ClN ₅ O ₂ MW 361.8	1 mg	13.25
		5 mg	41.25
		10 mg	75.05
		25 mg	147.75
153718 -20-0°C	(±)-2-DIPROPYLAMINO-6,7-DIHYDROXY-1,2,3,4-TETRAHYDRONAPHTHALENE [62421-17-4] (Dipropyl-6,7-ADTN HBr) Hydrobromide Dopamine agonist C ₁₆ H ₂₃ NO ₂ • HBr MW 344.3	1 mg	14.00
		5 mg	55.00
		10 mg	96.75
153724 -20-0°C	N,N-DIPROPYL-5-CARBOXY-AMIDOTRYPTAMINE (3-(N,N-Dipropylaminoethyl)-1H-indole-5-carboxamide maleate) Maleate Salt C ₁₇ H ₂₃ N ₃ O • C ₄ H ₄ O ₄ MW 403.5	1 mg	54.70
153725 0-5°C	DIPROPYLDOPAMINE Hydrobromide Dopamine receptor agonist C ₁₄ H ₂₃ NO ₂ • HBr MW 318.2	10 mg	15.95
		50 mg	62.90
		100 mg	122.25
		250 mg	720.65
153726 RT	1,3-DIPROPYL-7-METHYLXANTHINE [31542-63-9] C ₁₂ H ₁₃ N ₄ O ₂ MW 250.3	1 mg	11.25
		5 mg	36.15
		10 mg	43.35
		25 mg	65.10
159779 RT	1,3-DIPROPYL-8-PHENYLXANTHINE Selective A ₁ adenosine antagonist. C ₁₇ H ₂₃ N ₄ O ₂ MW 312.4	1 mg	16.50
		5 mg	54.00
		25 mg	225.00
153657 0-5°C	1,3-DIPROPYL-8-p-SULFOPHENYLXANTHINE [89073-57-4] C ₁₇ H ₂₃ N ₄ O ₆ S MW 392.4	5 mg	36.15
		10 mg	65.10
		25 mg	143.15
153722 RT	DIPYRIDAMOLE [58-32-2] (2,2',2'',2'''-(4,8-Dipiperidino-pyrimido [5,4-d]) pyrimidine-2,6-diyl)dinitrotetraethanol) Selective inhibitor of cGMP phosphodiesterase and inhibits nucleoside transport into mammalian cells. C ₂₂ H ₄₀ N ₆ O ₄ MW 504.6	1 g	12.65
		5 g	37.50
		10 g	61.00
		25 g	120.00
153721 RT	1,3-DI(2-TOLYL)GUANIDINE [97-39-2] C ₁₃ H ₁₁ N ₃ MW 239.3	1 g	11.50
		5 g	39.50
DMPP See: 1,1-Dimethyl-4-phenylpiperazinium iodide			
DNQX See: 6,7-Dintroquinoxaline-2,3-dione			
159780 RT	DOBUTAMINE [49745-95-1] Hydrochloride β ₁ -Adrenergic agonist. C ₁₃ H ₂₃ NO ₃ • HCl MW 337.8	1 mg	8.25
		5 mg	16.25
		10 mg	24.75
		50 mg	98.25
157890 0°C	DOMOIC ACID [14277-97-5] Purity: 95% Reported to be a potent glutamate agonist. Ref.: Briscoe, T.J., et al., British J. Pharmacol., 58 , 373 (1976). C ₁₃ H ₂₁ NO ₆ MW 311.1	0.5 mg	53.40
		1 mg	88.90
		5 mg	295.00
153709 RT	DOMPERIDONE [57808-66-9] (5-Chloro-1-[1-[3-(2,3-dihydro-2-oxo-1H-benzimidazol-1-yl)propyl]-4-piperidinyl]-1,3-dihydro-2H-benzimidazol-2-one) C ₂₂ H ₂₆ ClN ₂ O MW 425.9	5 mg	12.25
		15 mg	24.55
		25 mg	38.35
		50 mg	72.25
		250 mg	299.00

151016 RT	DOXEPIN [1229-29-4] (3-Dibenz[<i>b,c</i>]oxepin 11(6H)ylidene-N,N-dimethyl-1-propanamine) Hydrochloride White crystalline powder C ₁₉ H ₂₁ NO • HCl MW 315.8	1 g	19.75
		5 g	64.95
		10 g	108.00
		50 g	285.00
159101 RT	DOXORUBICIN [25316-40-9] (Adriamycin; 14-Hydroxydaunomycin, HCl) Hydrochloride Purity: >95% by HPLC Chemotherapeutic agent. Antitumor, immunosuppressive, and antibiotic agent. Blocks RNA polymerase and reverse transcriptase. Also inhibits nucleic acid synthesis. Ref.: 1. McLoon, L.K., et al., Invest. Ophthalmol. Vis. Sci., 32 , 1667 (1991) 2. Ellis, C.N., et al., Biochem. J., 245 , 309 (1987). C ₂₇ H ₂₉ NO ₁₁ • HCl MW 580	1 mg	16.75
		5 mg	66.25
		10 mg	112.50
		50 mg	475.00
DPMA See: N ⁶ -[2-(3,5-Dimethoxyphenyl)-2-(2-methylphenyl)ethyl]adenosine			
DSS See: 3-(Trimethylsilyl)-1-propanesulfonic acid			
-E-			
152846 -20-0°C	E-64 [66701-25-5] (trans-Epoxy succinyl-leucylamido-[4-guanidino]butane; [L-3-trans-carboxyoxiran-2-carbonyl]-Leu-agmatin) Inhibitor for thiol protease. Ref: 1. Hanada, A., et al., Agric. Biol. Chem., 42 , 529 (1978). 2. Barrett, A.J., et al., Biochem. J., 201 , 189 (1982). C ₁₃ H ₂₇ N ₅ O ₅ MW 357.4	1 mg	18.00
		5 mg	59.00
		10 mg	100.00
195985 0-5°C	E-64c [76684-89-4] [(2S,3S)-trans-Epoxy succinyl-L-leucylamido-3-methylbutane) Inhibitor for thiol protease. C ₁₃ H ₂₈ N ₂ O ₅ MW 314.4	1 mg	64.00
157894 0-5°C	EBELACTONE A [76808-16-7] (3,11-Dihydroxy-2,4,6,8,10,12-hexamethyl-9-oxo-6-tetradecenoic acid 1,3-lactone) Inhibitor for esterase, lipase and N-formyl-methionine aminopeptidase. Ref.: Uotani, K., et al., J. Antibiotics, 35 , 1670 (1982). C ₂₂ H ₃₄ O ₄ MW 338.5	1 mg	56.00
157895 0-5°C	EBELACTONE B [76808-15-6] (2-Ethyl-3,11-dihydroxy-4,6,8,10,12-pentamethyl-9-oxo-6-tetradecenoic acid 1,3-lactone) Inhibitor for esterase, lipase and N-formyl-methionine aminopeptidase. Ref.: Uotani, K., et al., J. Antibiotics, 35 , 1670 (1982). C ₂₁ H ₃₆ O ₄ MW 352.5	1 mg	37.25

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999 1176
Outside the U.S.: (714) 545-0100, fax (714) 557-4872

www.icnbiomed.com
Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$
158809 0°C	EBSELEN [60940-34-3] (2-Phenyl-1,2-benziselenazol-3(2H)-one) Purity: >99% Novel selenium-containing anti-inflammatory agent. Inhibits 5-LO, CO, NADPH oxidase, and protein kinase C. Potent antioxidant. Possesses a unique glutathione peroxidase-like activity. Also shown to be an inhibitor of free radical induced apoptosis and neuroprotective agent. Ref: Cotgreave, I.A., et al., (1989), <i>Biochem. Pharmacol.</i> , 38 , 649. C ₁₃ H ₉ NOSe MW 274.2	20 mg 47.00 100 mg 151.00	5,8,11,14-EICOSATETRAYNOIC ACID [1191-85-1] (ETYA; Octadecetrahydroarachidonic acid) Supplied as a white solid Purity: 98% Arachidonic acid, cyclooxygenase, lipoxygenase, and cytochrome P ⁴⁵⁰ inhibitor Ref.: 1. Salari, H., et al., <i>Prostaglandin. Leukotrienes Med.</i> , 13 , 53 (1984). 2. Taylor, A.S., et al., <i>Prostaglandins</i> , 29 , 449 (1985). 3. Bokoch, G.M., et al., <i>J. Biol. Chem.</i> , 256 , 4156 (1982). 4. Tobias, L.D., et al., <i>Lipids</i> , 14 , 181 (1979). 5. Falck, J.R., et al., <i>Biochem. Biophys. Res. Commun.</i> , 114 , 743 (1983). C ₂₂ H ₃₄ O ₂ MW 296.4	5 mg 56.00 25 mg 188.00 50 mg 315.00	
159102 0°C	8,11-EICOSADIYNOIC ACID (EDYA) Purity: 98% Blocks arachidonic activity. Ref.: Laposata, M., et al., <i>Prostaglandins</i> , 33 , 603 (1987). MW 304.5	1 mg 65.00	159104 0°C	cis-5,8,11-EICOSATRIENOIC ACID [20590-32-3] (MEAD acid; Eicosa-5z,8z,11z-trienoic acid, 20:3, n-9) Free Acid Purity: 95% Demonstrates immunomodulatory and anti-inflammatory activity. Ref.: 1. Leikowih, J.B., <i>Adv. Prostaglandin. Thromboxane Leukotriene Res.</i> , 20 , 224 (1990). 2. Schreiner, G.F., et al., <i>Science</i> , 240 , 1032 (1988). C ₂₂ H ₃₂ O ₂ MW 306.5	1 mg 58.50 5 mg 263.00 10 mg 420.00
151027 0°C	cis-5,8,11,14,17-EICOSA-PENTAENOIC ACID [10417-94-4] (EPA) This is the crucial eicosanoid precursor made available now as a high purity grade, purified by HPLC. Free Acid Purity: 99% 10 mg/ml in ethanol May contain <0.1% arachidonic acid. C ₂₂ H ₃₂ O ₂ MW 302.5	10 mg 45.00 100 mg 265.00	159105 0°C	cis-5,8,11-EICOSATRIENOIC ACID METHYL ESTER [14602-39-2] (Mead acid methyl ester) Purity: 99% C ₂₁ H ₃₆ O ₂ MW 320.5	1 mg 87.00
16018 0-5°C	5,8,11-EICOSAPENTAENOIC ACID [1- ¹⁴ C] Sp. Act. 40-60 mCi/mmol 1.48-2.22 GBq/mmol Ethanol solution. <i>Please call for delivery information.</i> CH ₃ CH ₂ (CH=CHCH ₂) ₅ (CH ₂) ₂ COOH MW 306.2	10 μCi 265.60 50 μCi 641.55	159106 0-5°C	5,8,11-EICOSATRIYNOIC ACID [13488-22-7] (ETI) Purity: 98% Specific lipoxygenase inhibitor. Ref.: 1. Salari, H., et al., <i>Prostaglandin. Leukotrienes Med.</i> , 13 , 53 (1984). 2. Hammarstrom, S., <i>Biochim. Biophys. Acta.</i> , 477 , 517 (1977). 3. Hammarstrom, S., et al., <i>J. Biol. Chem.</i> , 255 , 8023 (1980) C ₂₂ H ₃₂ O ₂ MW 300.4	1 mg 74.55 5 mg 332.55 10 mg 630.65
16019 0-5°C	8,11,14-EICOSAPENTAENOIC ACID [1- ¹⁴ C] Sp. Act. 40-60 mCi/mmol 1.48-2.22 GBq/mmol Ethanol solution. <i>Please call for delivery information.</i> CH ₃ CH ₂ (CH=CHCH ₂) ₅ (CH ₂) ₂ COOH MW 306.2	10 μCi 265.60 50 μCi 641.55	152847 -20-0°C	ELASTATINAL [51798-45-9] Source/Species: Microbial Purity: 50% Inhibitor for elastase. Ref: Umezawa, H., et al., 26 , 787 (1983). C ₂₁ H ₃₈ N ₆ O ₇ MW 512.6	1 mg 21.45 5 mg 52.00 10 mg 86.00
16017 0-5°C	5,8,11,14,17-EICOSAPENTAENOIC ACID [1- ¹⁴ C] Sp. Act. 40-60 mCi/mmol 1.48-2.22 GBq/mmol Ethanol solution. <i>Please call for delivery information.</i> CH ₃ CH ₂ (CH=CHCH ₂) ₅ (CH ₂) ₂ COOH MW 302.5	10 μCi 544.55 50 μCi 1090.25	190453 0-5°C	EMODIN [518-82-1] (1,3,8-Trihydroxy-6-methylanthraquinone) From Frangula Bark Purity: ~98% A protein tyrosine kinase inhibitor. C ₁₃ H ₁₀ O ₅ MW 270.2	50 mg 35.00 250 mg 115.00
26034 0-5°C	EICOSAPENTAENOIC ACID [5,6,8,9,11,12,14,15,17,18- ³ H] Sp. Act. 100-200 Ci/mmol 3.70-7.40 TBq/mmol Ethanol solution. <i>Please call for delivery information.</i> CH ₃ CH ₂ (CH=CHCH ₂) ₅ (CH ₂) ₂ COOH MW 302.5	50 μCi 314.10 250 μCi 847.70 1 mCi 2060.45	158919 0-5°C	ENDOTHALL [145-73-3] (Endothal) A moderately potent inhibitor of protein phosphatase 2A. C ₈ H ₁₀ O ₅ MW 186.16	25 mg 34.65 50 mg 66.20
			158920 0-5°C	ENDOTHALL THIOANHYDRIDE [109282-38-4] A potent inhibitor of protein phosphatase 2A. C ₈ H ₆ O ₃ S MW 184.2	1 mg 71.10 5 mg 338.50
			152833 -20-0°C	prepro-ENKEPHALIN, Fragment 128-140 [88878-74-4] (Gly-Gly-Glu-Val-Leu-Gly-Lys-Arg-Tyr-Gly-Gly-Phe-Met) Source/Species: Ovine, bovine Carboxy terminal portion of peptide F. Ref: Micanovic, R., et al., <i>Biochem. Biophys. Res. Commun.</i> , 118 , 299 (1984).	0.1 mg 29.70 0.5 mg 99.05 1 mg 159.80

Neuroscience

One call. One source.
A world of biomedical products.

1177

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872

CATALOG
NUMBER

Neuroscience Products

CATALOG
NUMBER

U.S. \$

CATALOG NUMBER	U.S. \$	CATALOG NUMBER	U.S. \$
(±)-EPIBATIDINE 159918 -20°C [140111-52-0] From Poison Frog Skin Isolated from <i>Epipedobates tricolor</i> Purity: 99% Most potent agonist to the nicotinic acetylcholine receptor known. Both enantiomers have high affinity for nicotinic receptors in rat brain membranes. Ref.: 1. Spande, T.F., et al., <i>J. Am. Chem. Soc.</i> , 114 , 3475 (1992). 2. Qian, C., et al., <i>Eur. J. Pharmacol.</i> , 250 , R13 (1993). 3. Badio, B. and Daly, J.W., <i>Mol. Pharmacol.</i> , 45 , 563 (1994). C ₁₁ H ₁₃ N ₂ Cl MW 208.7	1 mg 99.00	EPIRUBICIN 159584 0-5°C [56390-09-1] (4'-Epidoxorubicin) Hydrochloride Purity: ≥95% Anti-tumor antibiotic which is less toxic than doxorubicin. C ₂₂ H ₂₂ NO ₁₁ • HCl MW 580.0	1 mg 42.00
EPIDERMAL GROWTH FACTOR RECEPTOR MONOCLONAL ANTIBODY 691281 -20°C Anti-Human Clone: c11 Isotype: Ig fraction from mouse ascites Conc/Titer: 1:1,000 Applications: Immunoblotting; ELISA; Immunohistochemistry The original immunogen was a synthetic peptide corresponding to a thirty residue region of the EGF receptor. The antibody reacts strongly with the EGF receptor in human cell lines and does not react with other phosphorylated proteins.	100 µg 416.75	ERBSTATIN ANALOG 158813 RT [63177-57-1] (Methyl 2,5-dihydroxycinnamate) Purity: ≥98% Erbstatin is a novel inhibitor of the EGF receptor associated tyrosine kinase ¹ . It is an unstable compound and is completely inactivated in serum in 30 minutes. Methyl 2,5-dihydroxycinnamate is a stable erbstatin analog retaining activity after a 60 minute incubation. It inhibits EGF receptor associated tyrosine kinase <i>in vitro</i> (IC ₅₀ =0.77 µM) ² . Inhibition is competitive with substrate and noncompetitive with ATP. Ref.: 1. Imoto, M., et al., (1987), <i>Biochem. Int.</i> , 15 , 989. 2. Umezawa, K., et al., (1990), <i>FEBS Lett.</i> , 260 , 198.	5 mg 34.00 25 mg 124.00
EPIDERMAL GROWTH FACTOR RECEPTOR, Activated MONOCLONAL ANTIBODY 691292 691291 Anti-Human Clone: 74 Isotype: Ig fraction from mouse ascites Conc/Titer: 1:1,000 Applications: Immunoblotting; ELISA; Immunocytochemistry The original immunogen was tyrosine-phosphorylated EGF receptor. The antibody reacts strongly and preferentially with the activated and phosphorylated EGF receptor in human cell lines and does not react with other phosphorylated proteins.	50 µg 325.25 100 µg 504.95	ERGOCORININE 193652 RT [564-36-3] An ergot alkaloid which acts as a dopamine agonist. C ₃₁ H ₃₉ N ₅ O ₅ MW 561.7	5 mg 15.00 25 mg 50.00
EPIDERMAL GROWTH FACTOR RECEPTOR POLYCLONAL ANTIBODY 694301 -20°C Anti-Human Host: sheep Form: purified Ig fraction Conc/Titer: 1:50-1:500 Applications: Immunoblotting The antibody was produced by immunization with EGF _r fragment. This antibody has unique binding characteristics, and it immunoprecipitates the receptor protein while leaving the mechanism of signal transduction (tyrosine phosphorylation) intact. It is effective across species for immunostaining fixed cultured cell receptors in dilution ranges that are dependent upon the receptor concentrations in the preparation.	100 µg 139.90	ESCULETIN 157942 0-5°C [305-01-1] (6,7-Dihydroxycoumarin; Esculetin) Yellow crystals. An inhibitor of 5-lipoxygenase and 12-lipoxygenase, but does not inhibit cyclooxygenase. C ₉ H ₆ O ₄ MW 178.1	1 g 27.00 5 g 109.00
DL-EPINEPHRINE 151064 0-5°C [329-65-7] (DL-Adrenaline) Crystalline C ₉ H ₁₃ NO ₃ MW 183.2	1 g 10.00 5 g 16.50 25 g 52.00 100 g 173.00	(-)-ESEROLINE FUMARATE 153716 0-5°C [104015-29-4] C ₁₃ H ₁₉ N ₂ O • C ₄ H ₄ O ₄ MW 334.4	25 mg 80.00 50 mg 144.00
L-(-)-EPINEPHRINE 151065 0-5°C [51-43-4] (L-Adrenaline) Metabolite of norepinephrine C ₉ H ₁₃ NO ₃ MW 183.2	1 g 9.90 5 g 31.80 10 g 57.00	ETAZOLATE 159592 0-5°C [51022-77-6] Hydrochloride Inhibitor of phosphodiesterase IV C ₂₁ H ₁₉ N ₅ O ₂ • HCl MW 325.8	1 mg 17.20 5 mg 56.00
L-(-)-EPINEPHRINE-(+)-BITARTRATE 195166 0-5°C [51-42-3] Crystalline C ₉ H ₁₃ NO ₃ • C ₄ H ₆ O ₆	1 g 9.00 5 g 28.00 25 g 97.00 100 g 267.00	ETHACRYNIC ACID 190203 RT [58-54-8] [(2,3-Dichloro-4(2-methylenebutyl)phenoxy) acetic acid] Crystalline C ₁₃ H ₁₂ Cl ₂ O ₄ MW 303.1	1 g 10.65 5 g 32.25 25 g 105.10
		7-ETHOXYRESORUFIN 157964 0°C [5725-91-7] (7-Ethoxy-3H-phenoxazin-3-one; Resorufin ethyl ether) Fluorimetric substrate for detection of cytochrome P ₄₅₀ linked enzymes. Ref.: Burke, M.D., et al., <i>Biochem. Pharmacol.</i> , 34 , 3337 (1985). C ₁₄ H ₁₁ NO ₃ MW 241.2	1 mg 51.30 5 mg 222.10
		ETHYL β-CARBOLINE-3-CARBOXYLATE See: β-Carboline-3-carboxylic acid ethyl ester	
		5'-N-ETHYL CARBOXAMIDO-ADENOSINE 153714 RT [78647-50-4] (NECA) Adenosine agonist with affinity at A ₁ and A ₂ receptors. C ₁₃ H ₁₆ N ₆ O ₄ MW 308.3	10 mg 46.30 15 mg 65.10 25 mg 86.75

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999 1178
Outside the U.S.: (714) 545-0100, fax (714) 557-4872www.icnbiomed.com
Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$
158921	N-ETHYLDEOXYNOJIRIMYCIN Purity: 99% HIV cytopathicity inhibitor. Ref.: Fleet, G.W.J., et al., FEBS Lett., 237 , 128 (1988). MW 191.2	1 mg 103.20 5 mg 412.75	158059	FLUO 3-AM [121714-22-5] Fluorescent indicator for intracellular calcium. Ref.: Kao, J.P.Y., et al., J. Biol. Chem., 264 , 8179 (1989). MW 1129.9	0.5 mg 150.20 1 mg 281.60
159594	ETHYL 3,4-DIHYDROXY-BENZYLIDENECYANOACETATE [132464-92-7] Inhibitor of 12-lipoxygenase. C ₁₂ H ₁₁ NO ₄ MW 233.2	10 mg 30.00 50 mg 132.00	158061	N-(3-FLUORANTHYL)MALEIMIDE [60354-76-9] Fluorescent protein marker Ref.: Kanoaka, Y., et al., Chem. Pharm. Bull., 24 , 1417 (1976) C ₂₀ H ₁₁ NO ₂ MW 297.3	1 mg 45.00
195173	ETHYLENEDIAMINETETRAACETIC ACID [6381-92-6] Disodium Salt Dihydrate Purity: 99% Chelating agent. Produces colorless aqueous solutions. C ₁₀ H ₁₄ N ₂ O ₈ Na ₂ • 2H ₂ O MW 372.2	100 g 22.00 250 g 44.00 500 g 58.00 1 kg 88.00	153704	5-FLUOROINDOLE-2-CARBOXYLIC ACID [399-76-8] Inhibitor of glycine potentiation at NMDA receptor. C ₉ H ₈ NO ₂ F MW 179.2	100 mg 41.95 250 mg 83.90
193653	5-(N-ETHYL-N-ISOPROPYL)AMLORIDE [1154-25-2] (EIPA) Inhibitor of the Na ⁺ /H ⁺ antiporter. Ref.: Neylon, et al., J. Pharmacol. Exp. Ther., 248 , 991 (1989). C ₁₇ H ₁₉ N ₂ OCl MW 299.8	1 mg 13.25 5 mg 44.10 10 mg 79.40	159921	2-FLUOROPALMITIC ACID [16518-94-8] Purity: 98% Inhibitor of palmitoyl-CoA biosynthesis resulting in the blocking of protein palmitoylation. A posttranslational modification reagent which palmitoylates G protein α-subunits. G proteins of low molecular weight, and p56. Ref.: 1. Abraham, N. and Veillette, A., Mol. Cell. Biol., 10 , 5197 (1990). 2. Hancock, J.F., et al., Cell, 57 , 1167 (1989). 3. Soltysiak, R.M., et al., Biochim. Biophys. Acta, 792 , 214 (1984). MW 274.4	5 mg 74.55 25 mg 315.30
153713	R(+)-ETICLOPRIDE (R(+)-3-Chloro-5-ethyl-N-[(1-ethyl-2-pyrrolidinyl)methyl]-6-hydroxy-2-methoxybenzamide HCl) Hydrochloride C ₁₇ H ₂₅ ClN ₂ O ₃ • HCl MW 377.3	5 mg 37.00 10 mg 66.00 25 mg 132.00	159924	1-(2-bis-[4-FLUOROPHENYL]-METHOXYETHYL)-4-(3-PHENYL-2-PROPYL)PIPERAZINE [67469-78-7] (GBR 12909) Hydrochloride Purity: 98% Inhibits the uptake of dopamine. Ref.: 1. Heikkila, R.E., et al., Eur. J. Pharmacol., 103 , 241 (1984). 2. Teicher, M.H., et al., Dev. Brain Res., 30 , 124 (1986). 3. Melia, K.F., et al., J. Pharmacol. Exp. Therap., 258 , 626 (1991). MW 523.5	5 mg 36.10 10 mg 59.65 50 mg 269.45
153711	S(-)-ETICLOPRIDE [84226-12-0] (S(-)-3-Chloro-5-ethyl-N-[(1-ethyl-2-pyrrolidinyl)methyl]-6-hydroxy-2-methoxybenzamide HCl) Hydrochloride Selective D ₂ dopamine receptor antagonist. C ₁₇ H ₂₅ ClN ₂ O ₃ • HCl MW 377.3	5 mg 32.00 10 mg 58.00 25 mg 116.00			
-F-					
26035	cis,cis-FARNESYLPIRPHOSPHATE, [1-³H] Triammonium salt Sp. Act. 15-30 Ci/mmol 0.55-1.11 TBq/mmol Ethanol solution. Please call for delivery information. MW 433.43	50 μCi 1211.55	153702	cis(Z)-FLUPENTHIXOL [2709-56-0] (4-[3-[2-Trifluoromethyl]-9H-thioxanthen-9-ylidene]propyl]-1-piperazineethanol 2HCl) Dihydrochloride A dopamine antagonist C ₂₃ H ₂₅ F ₃ N ₂ O ₅ • 2HCl MW 507.5	50 mg 65.10 75 mg 94.00 100 mg 115.70
159920	FARNESYLTHIOACETIC ACID [135784-48-4] (FTA) Purity: 98% A posttranslational modification reagent which specifically inhibits methyl esterification of farnesylated proteins. Ref.: Tan, E.W., et al., J. Biol. Chem., 266 , 10719 (1991). MW 296.5	5 mg 131.90 10 mg 229.30	193655	trans-(E)-FLUPENTHIXOL [53772-85-3] Dihydrochloride A less potent dopamine antagonist than the cis-isomer. C ₂₃ H ₂₅ F ₃ N ₂ O ₅ • 2HCl MW 507.5	10 mg 69.00 25 mg 138.00
158922	FENVALERATE [51630-58-1] Mixture of isomers Fenvalerate is a Type II pyrethrin and a potent inhibitor of calcineurin (protein phosphatase 2B). C ₂₂ H ₂₂ ClNO ₃ MW 419.92	25 mg 52.50 50 mg 95.00	153706	FLUPENAZINE [146-56-5] (4-[3-[2-Trifluoromethyl]-10H-pheno-thiazin-10-yl]-1-piperazineethanol 2HCl) Dihydrochloride Crystalline C ₂₂ H ₂₆ F ₃ N ₃ O ₅ • 2HCl MW 510.4	1 g 15.00 5 g 60.00
153701	FLUNARIZINE [52468-60-7] (1-[Bis(4-fluorophenyl)methyl]-4-(3-phenyl-2-propenyl)-piperazine dihydrochloride) Dihydrochloride A vasodilator and calcium channel antagonist. C ₂₈ H ₂₈ F ₂ N ₂ • 2HCl MW 477.4	50 mg 25.35 100 mg 43.35 250 mg 101.25			

Neuroscience

One call. One source.
A world of biomedical products.

1179

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872



Neuroscience Products

CATALOG
NUMBER

U.S. \$

CATALOG
NUMBER

U.S. \$

158925 RT	FLUPHENAZINE N-2-CHLOROETHANE [83016-35-7] (SK & F 7171A, HCl) Hydrochloride Purity: 98% Potent and irreversible calmodulin inactivator. It also demonstrates antiproliferative and cytotoxic activity. Ref.: Tanaka, T., et al., <i>Pharmacology</i> , 26 , 249 (1983). MW 528.6	10 mg 22.00 25 mg 44.00				
	FLUPHENAZINE N-MUSTARD [83016-35-7] [(2-Chloroethyl)-4-[3-(2-trifluoromethyl-10-phenoxythiazinyl)propyl]piperazine]] Dihydrochloride $C_{22}H_{22}ClF_6N_3O_2 \cdot 2HCl$ MW 528.6	25 mg 39.80 50 mg 72.25 100 mg 130.15				
159115 -20°C	FLUPROSTENOL [40666-16-8] (±)16-(m-Trifluoromethylphenoxy)-tetrahydro-rostaglandin F _{2α} Purity: 98% Ethanol solution MW 458.2	1 mg 91.70 5 mg 412.00				
	FLUSPIRILENE [1841-19-6] (R6218; 8-[4,4-Bis(p-fluorophenyl)butyl]-1-phenyl-1,3,8-triazino[4,5]decan-4-one) A dopamine antagonist $C_{23}H_{31}F_4N_3O$ MW 475.6	10 mg 108.45 25 mg 216.95 50 mg 361.50				
190669 0°C	FORSKOLIN [66575-29-9] From <i>Coleus forskohlii</i> (7β-acetoxy-8,13-epoxy-1α,6β,9α-trihydroxy-14β-14-ene-11-one) Reported to demonstrate positive inotropic and heart rate-increasing activity at low doses in animals. Also functions as an antihypertensive and vasodilator at higher doses. Activates adenylcyclase in rat liver membranes. Ref.: H. Metzger and E. Lindner, <i>I.R.C.S. Med. Sci., Biochem., Cardiovascular System Pharm.</i> , 9 , 99 (1981). $C_{22}H_{34}O_7$ MW 410.5	1 mg 22.20 5 mg 50.80 10 mg 98.00 25 mg 217.85 50 mg 407.05				
	FORSKOLIN, 7β-DEACETYL-7β-(γ-N-METHYLPIPERAZINO)-BUTYRYL Dihydrochloride Powerful activator of adenylate cyclase. Water soluble derivative of forskolin. MW 627.0	1 mg 68.75 5 mg 275.00				
	FORSKOLIN, 1,9-DIDEOXY [64657-18-7] Natural derivative of forskolin, but inactive. May be used as negative control. $C_{22}H_{34}O_5$ MW 378.5	1 mg 73.35 5 mg 293.50				
	FORSKOLIN, 7-O-HEMISUCCINYL-7-DEACETYL [83797-56-2] Soluble forskolin derivative useful for preparation of probes. Ref.: (1) T.P. Feuffer and H. Metzger, <i>Febs Letters</i> , 146 , 369 (1982); (2) N.J. Souza, A.N. Dohadwalla and J. Reden, <i>Med. Res. Reviews</i> , 3 , 201 (1983). $C_{22}H_{36}O_9$ MW 468.6	1 mg 137.60				
159925 -20°C	FUMONISIN B₁ [116355-83-0] From <i>Fusarium moniliforme</i> Purity: 98% Sphingosine N-acyltransferase (ceramide synthase) inhibitor which leads to blocking sphingolipid biosynthesis. $C_{34}H_{59}NO_{15}$ MW 721.8	1 mg 94.60 5 mg 429.95				
	FUMONISIN B₂ [116355-84-1] From <i>Fusarium moniliforme</i> White powder. Fungal metabolite Inhibits sphingolipid biosynthesis. Ref.: E. Wang et al., <i>J. Biol. Chem.</i> 266 1486 (1991). $C_{34}H_{59}NO_{15}$ MW 705.8	1 mg 175.00 5 mg 595.00				
153708 0-5°C	β-FUNALTREXAMINE [72786-10-8] (βFNA; [E]-4-[[[5α,6β]-17-(cyclopropylmethyl)-4,5-epoxy-3,14-dihydroxy-morphinan-6-ylamino]-4-oxo-2-butenic acid methyl ester HCl]) Hydrochloride $C_{29}H_{32}N_2O_6 \cdot HCl$ MW 490.9	1 mg 163.40 5 mg 719.25 10 mg 1155.00				
	FURA 2 [96314-98-6] [1-(2-[5-Carboxyoxazol-2-yl]-6-aminobenzofuran-5-oxo)-2-(2'-amino-5'-methylphenoxy)ethane-N,N,N',N'-tetraacetic acid] Calcium-specific chelator indicator. Calcium concentration may be measured directly using the ratio of fluorescence at 510 nm produced by excitation at 340 nm and 380 nm. $C_{28}H_{27}N_3O_{14}$ MW 641.6	1 mg 95.00				
152286 RT	FURA 2-AM [108964-32-5] This is the acetoxyethyl ester of FURA 2. Able to permeate cell membranes and load FURA 2 into cells. Inside cells, FURA 2-AM is rapidly hydrolyzed by cytoplasmic esterases. $C_{44}H_{41}N_3O_{24}$ MW 1001.9	0.5 mg 74.00 1 mg 123.00				
	FUREGRELATE [85666-17-7] (5-[3-Pyridinylmethyl]benzofuran-2-carboxylic acid) Sodium Salt Inhibitor of thromboxane synthetase. $C_{11}H_{10}N_2O_3Na$ MW 275.2	10 mg 16.50 50 mg 64.40 100 mg 115.80				
-G-						
	GABACULINE See: (±)-3-Amino-2,3-dihydrobenzoic acid					
159782 RT	GALANTHAMINE [357-70-0] Cholinesterase inhibitor Hydrobromide Ref.: Chopin and Bailey, <i>Psychopharm.</i> , 106 , 26 (1992). $C_{17}H_{21}NO_3 \cdot HBr$ MW 368.3	5 mg 16.00 25 mg 48.00 100 mg 175.00				
	GALLAMINE TRIETHIODIDE [65-29-2] Purity: > 95% An M ₂ muscarinic antagonist with pronounced cardioselectivity. Acts via allosteric modulation of receptor binding. Ref.: 1. Hammer, R., et al., (1986), <i>Life Sci.</i> , 38 , 1653. 2. Nedoma, J., et al., (1986), <i>J. Pharmacol. Exp. Ther.</i> , 236 , 219. 3. Michel, A.D., et al., (1990), <i>Eur. J. Pharmacol.</i> , 182 , 335. 4. Kenakin, T., et al., (1989), <i>J. Pharmacol. Exp. Ther.</i> , 250 , 944. $C_{30}H_{49}N_3O_3S_3$ MW 891.5	1 g 34.50 5 g 155.25				
159816 0-5°C	GEA 3162 [144575-47-3] (5-Amino-3-(3,4-dichlorophenyl)-1,2,3,4-oxaziazolium chloride) Nitric Oxide (NO) donor. $C_7H_6N_4OCl_2 \cdot HCl$ MW 267.6	1 mg 13.75 5 mg 51.60 25 mg 206.35				

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999 1180
Outside the U.S.: (714) 545-0100, fax (714) 557-4872www.icnbiomed.com
Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$
159817	GEA 5024 [144575-27-9] (5-Amino-3-(3-chloro-2-methylphenyl)-1,2,3,4-Oxatriazolium chloride) A water soluble, stable nitric oxide (NO) donor. C ₈ H ₇ N ₄ OCl • HCl MW 247.1	1 mg 13.75 5 mg 51.60 25 mg 206.35	26037	<i>trans,trans,cis</i> - GERANYLGERANYL-PYROPHOSPHATE, [1-³H] Triammonium salt Sp. Act. 15-30 Ci/mmol 1.85-2.22 TBq/mmol Ethanol solution. <i>Please call for delivery information.</i> MW 501.3	250 µCi 787.10
195994	GELDANAMYCIN [30562-34-6] From <i>Streptomyces hygroscopicus</i> Purity: ≥95% Benzoquinoid antibiotic which is a potent inhibitor of pp60 ^{src} tyrosine kinase and <i>c-myc</i> gene expression in murine lymphoblastoma cells. C ₂₃ H ₄₀ N ₂ O ₉ MW 560.6	100 µg 215.25	159928	GINKGOLIDE B [15291-77-7] (BN 52021) From Ginkgo Leaves Purity: 90% Most potent PAF antagonist of the ginkgolide family. Inhibits both platelet aggregation and PMNL chemotaxis induced by PAF. Ref.: 1. Nunez, D., et al., <i>Eur. J. Pharmacol.</i> , 123 , 197 (1986). 2. Tamura, N., et al., <i>Biochem. Biophys. Res. Commun.</i> , 142 , 638 (1987). C ₂₂ H ₃₄ O ₁₀ MW 424.4	1 mg 11.20 5 mg 38.45 10 mg 59.65 25 mg 120.40
152355	GENEISTEIN [446-72-0] (4,5,7-Trihydroxyiso-flavone) Highly specific inhibitor of tyrosine protein kinases. Also inhibits EGF-stimulated phosphorylation in cultured cells. Genistein is an isoflavone compound isolated from the fermentation broth of <i>Pseudomonas</i> sp. C ₁₅ H ₁₀ O ₅ MW 270.2	10 mg 48.10 50 mg 215.00	195777	GLIAL DERIVED NEUROTROPHIC FACTOR (GDNF) Rat, Recombinant Sf21 Expressed Purity: ≥97% Activity: ED ₅₀ = 1-3 ng/ml.	10 µg 572.00
198770	GERANYLGERANIOL [24034-73-9] Clear, colorless liquid. Useful for studying mammalian cell protein isoprenylation. May affect regulation of cell cycle progress. Ref.: Crick, et al. <i>Biochemical and Biophysical Research Commun.</i> 237 , 483 MW 290.5	25 mg 10.00 100 mg 28.00	194792	<i>trans</i> - GERANYLGERANYL[1-d]-PYROPHOSPHATE (3,7,11,15-Tetramethyl-2,6-10,14-hexadecate traenyl pyrophosphate) Deuterated Triammonium Salt MW 501.5	1 mg 975.00
198736	GERANYLGERANYLPYRO-PHOSPHATE [6699-20-3] (3,7,11,15-Tetramethyl-2,6-10,14-hexadecate traenyl pyrophosphate•NH ₃) Triammonium Salt Purity: 95% A posttranslational modification reagent which is a geranylgeranyl-donor molecule used for isoprenylation of proteins accompanied by geranylgeranyltransferase. Ref.: Seabra, M., et al., <i>J. Biol. Chem.</i> , 267 , 14497 (1992). C ₂₂ H ₃₈ O ₇ •P ₂ • 3 NH ₃ MW 555.1	200 µg 91.85 1 mg 183.75	691821	GLIAL FIBRILLARY ACIDIC PROTEIN MONOCLONAL ANTIBODY (GFAP) Anti-Human Clone: 8 Isotype: mouse IgG ₁ presented as tissue culture supernatant Conc/Titer: 1:5-1:10 Applications: ELISA; Immunoblotting The original immunogen was from human spinal cord. The antibody recognizes the 56Kd GFAP protein in immunoblots and ELISA. It can be used to discriminate glial tumors, including astrocytomas and ependymomas from other tumors, such as meningiomas, neuroblastomas, chordomas, chondrosarcomas, lymphomas, and carcinomas. It is reactive on both frozen and paraffin sections.	1 ml 211.00
26046	<i>trans</i> - GERANYLGERANYL-PYROPHOSPHATE, [1-³H] Triammonium salt Sp. Act. 15-30 Ci/mmol 0.55-1.11 TBq/mmol Ethanol solution Ref.: Seabra, M., et al., <i>Science</i> , 259 , 377 (1993). <i>Please call for delivery information.</i> MW 501.3	50 µCi 277.70 250 µCi 653.65 1 mCi 1514.75	691102	GLIAL FIBRILLARY ACIDIC PROTEIN MONOCLONAL ANTIBODY (GFAP) Anti-Porcine Clone: G-A-5 Isotype: mouse IgG ₁ Conc/Titer: 1:300 Applications: PAP; Tissue sections The original immunogen was produced by the fusion of mouse myeloma cells and mouse spleen cells immunized with purified porcine GFAP. By use of well defined GFAP fragments, the antibody was shown to react with the carboxyterminal Cys II fragment. It appears to be broadly cross-reactive among species. Immunoblots on extracts of the glioma cell line U333 CG/U343MG specifically visualize a single 51 kDa band.	1 ml 179.45
26046H	<i>trans</i> - GERANYLGERANYL-PYROPHOSPHATE, [1-³H] Triammonium salt Sp. Act. 50-60 Ci/mmol 1.85-2.22 TBq/mmol Ethanol solution Ref.: Seabra, M., et al., <i>Science</i> , 259 , 377 (1993). <i>Please call for delivery information.</i> MW 501.3	50 µCi 277.70 250 µCi 653.65 1 mCi 1514.75			

Neuroscience

One call. One source.
A world of biomedical products.

1181

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872



Neuroscience Products

CATALOG
NUMBER

U.S. \$

CATALOG
NUMBER

U.S. \$

157236 0-5°C	GLIBENCLAMIDE [10238-21-8] (Glyburide; glibenclamide; N-p-[2-(5-Chloro-2-methoxybenzamido)- ethyl]benzene-sulfonyl-N'-cyclohexylurea) Purity: 98% Selectively blocks ATP-sensitive K ⁺ channels and vascular smooth muscle relaxation. Ref.: 1. Schmid-Adomarchi, et al., J. Biol. Chem., 262 , 15840 (1987). 2. Winquist, R.J., et al., J. Pharmacol. Exp. Ther., 248 , 149 (1989). 3. Fosset, M., et al., J. Biol. Chem., 263 , 7933 (1988). 4. Miller, J.A., et al., J. Pharmacol. Exp. Ther., 256 , 358 (1991). 5. Cook, D.L. and Hales, C.N., Nature, 311 , 271 (1984). C ₂₃ H ₂₂ ClN ₃ O ₅ S MW 494	5 g	34.00	194679 0-5°C	GLUTATHIONE REDUCED [70-18-8] (γ-L-Glutamyl-L-cysteinylglycine) Cell Culture Reagent Crystalline Purity: 98-100% Useful tripeptide involved in many aspects of metabolism, including transport of γ-glutamyl amino acids and reductive cleavage of disulfide bonds. C ₁₁ H ₁₇ N ₃ O ₆ S MW 307.3	5 g	32.25
		10 g	61.00			10 g	46.30
159797 RT	GLIPIZIDE [29094-61-9] An ATP-dependent potassium channel blocker. C ₂₁ H ₂₂ N ₃ O ₅ S MW 445.5	25 mg	13.75	100689 0-5°C	GLUTATHIONE REDUCTASE [9001-48-3] From Baker's Yeast E.C.1.6.4.2. Highly purified Crystalline suspension in 3.2M ammonium sulfate, pH 6.0. Unit Definition: 1 unit oxidizes 1 μmole of glutathione/min. at 25°C, pH 5.5. Activity: Approx. 120 units/mg. Contaminants: Essentially free of NADPH-Oxidase, 6-PGDH.	1 mg	50.60
		100 mg	32.05			500 mg	100.85
153102 -20-0°C	PyroGLU-GLY-ARG-PHE AMIDE [107535-01-3] A neuropeptide originally isolated from the pennatulid <i>Penilla koellikeri</i> and the sea anemone <i>Anthopleura elegantissima</i> . Ref.: 1. Grimmelikhuijzen, C.J.P. and Graff, D., Proc. Natl. Acad. Sci. (USA), 83 , 9817 (1986). 2. Grimmelikhuijzen, C.J.P. and Gregor, A., FEBS Lett., 211 , 105 (1987).	25 mg	125.00	153104 -20-0°C	PyroGLU-VAL-ASN-PHE-SER-PRO- GLY-TRP-GLY-THR-NH₂ [106018-36-4] (Hypertrehalosaemic Neuropeptide) A neuropeptide from the cockroach (<i>Nauphoeta cinerea</i>) with an amino acid sequence similar to that of Adipokinetic Hormone I. Ref.: Gaede, G. and Rinehart, K.L., Biochem. Biophys. Res. Commun., 141 , 774 (1986). MW 1074.2	1 mg	115.70
		5 mg	74.50			5 mg	462.80
153103 -20-0°C	PyroGLU-SER-LEU-ARG-TRP AMIDE [114056-25-6] A neuropeptide originally isolated from sea anemones. Ref.: Graff, D. and Grimmelikhuijzen, C.J.P., Brain Res., 422 , 354 (1988).	1 mg	20.00	195999 -20°C	GLYCOGEN SYNTHASE [9014-56-6] (UDO Glucose:glycogen 4-α-glucosyltransferase) EC 2.4.1.11 From Rabbit Muscle Suspension in 60% glycerol with buffers. Activity: ~2.7 units/mg protein Unit Definition: one unit will catalyze the incorporation of 1 μmol of glucose from UDP-glucose into glycogen per minute at pH 8.2, 30°C.	1 U	72.50
		5 mg	74.50			5 U	290.00
101793 RT	L-GLUTAMIC ACID [56-86-0] (L-2-Aminopentanedioic acid) Free Acid Purity: 99-100% Crystalline C ₅ H ₉ NO ₄ MW 147.1	100 g	9.00	195210 0-5°C	GOSSYPOL [303-45-7] Potential use as male contraceptive by apparently inhibiting LH. Ref.: Poso, H., et al., Lancet, 1 , 885 (1980). C ₃₃ H ₅₀ O ₈ MW 518.6	25 mg	22.15
		500 g	16.00			100 mg	62.50
194676 RT	L-GLUTAMIC ACID [56-86-0] (L-2-Aminopentanedioic acid) Free Acid Cell Culture Reagent Purity: 99-100% Crystalline C ₅ H ₉ NO ₄ MW 147.1	1 kg	27.00	195211 0°C	GOSSYPOL-ACETIC ACID [12542-36-8] Crystalline complex Inhibits the autolytic conversion of pepsinogen to pepsin. Ref.: (1) Tanksley, T.D., Jr., et al., J. Biol. Chem., 245 , 6456 (1970); (2) Wong, R.C., et al., J. Biol. Chem., 247 , 1625 (1972). C ₃₃ H ₅₀ O ₈ •C ₂ H ₄ O ₂	25 mg	13.00
		5 kg	112.00			100 mg	35.00
157220 0°C	γ-D-GLUTAMYLAMINOMETHYL- SULFONIC ACID [90237-02-8] Kainate/quisqualate selective antagonist Ref.: Davies, J., et al., Comp. Biochem. Physiol., 72 , 211 (1982). C ₈ H ₁₂ N ₂ O ₆ S MW 240.2	1 mg	16.40	196000 -20°C	GRANZYME B INHIBITOR (Z-Ala-Ala-Asp-CH ₂ Cl; Z-AAD-CMK) Purity: ≥95% Inhibits granzyme B present in cytoplasmic granules of cytotoxic T-lymphocytes and NK cells. C ₁₉ H ₂₂ N ₃ O ₇ Cl MW 441.9	1 mg	105.00
		5 mg	64.20			5 ml	19.55
151193 0-5°C	GLUTATHIONE OXIDIZED [121-24-4] Anhydrous (γ-L-Glutamyl-L-cysteinylglycine) ₂ Acts as hydrogen acceptor in enzymic determination of NADP and NADPH. C ₂₀ H ₃₂ N ₆ O ₁₂ S ₂ MW 612.6	10 mg	115.60	159798 0-5°C	GRIESS REAGENT Reagent for determination of nitrite (NO) in biological media. Consists of 0.1% naphthylethylenediamine HCl in distilled H ₂ O and 1% sulfanilamide in 5% H ₃ PO ₄ (1:1 mixture)	25 ml	77.95
		250 mg	18.05			100 g	239.00
101814 0-5°C	GLUTATHIONE REDUCED [70-18-8] (γ-L-Glutamyl-L-cysteinylglycine) Crystalline Purity: 98-100% Useful tripeptide involved in many aspects of metabolism, including transport of γ-glutamyl amino acids and reductive cleavage of disulfide bonds. C ₁₁ H ₁₇ N ₃ O ₆ S MW 307.3	1 g	12.40				
		5 g	25.15				

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999 1182
Outside the U.S.: (714) 545-0100, fax (714) 557-4872www.icnbiomed.com
Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$		
694201 -20°C	GTPase ACTIVATING PROTEIN MONOCLONAL ANTIBODY (GAP, Anti) Clone: GAP13 Isotype: IgG ₁ Conc/Titer: 1:1,000 Applications: Immunoblotting Tyrosine phosphorylation of GAP, an activating protein for the GTPase activity of <i>ras</i> , is stimulated by several tyrosine kinases, including EGF, PDGF, CSF-1 and several oncogene products. The amino acid sequence of this peptide is as follows: NH ₂ -Thr-Pro-Gly-Asp-Tyr-Ser-Leu-Tyr-Phe-Ar _g -COOH. The antibody is packaged at a concentration of 1 mg/ml in 40% glycerol, 20mM sodium phosphate, pH 7.5, 150mM NaCl, 3mM sodium azide. A dilution of 1:1000 is suggested for Western Blot and other immunochemical techniques. Ref.: 1. Molloy, C.J., et al., <i>Nature</i> , 342 , 711-714 (1989). 2. Kaplan, et al., <i>Cell</i> , 61 , 125-133 (1990). 3. Reedijk, M., <i>Mol. Cell Biol.</i> , 10 , 5601-5608 (1990).	100 µg	651.00	159033 -20°C	GUANOSINE-5'-O-(2-THIODIPHOSPHATE) [97952-36-8] (GDP-β-S) Trilithium salt Purity: >85% A GDP analog which is a complete inhibitor of protein G activation by GTP and GTP analogs. Ref.: 1. Burch, R.M. and Axelrod, J., et al., <i>Proc. Natl. Acad. Sci. USA</i> , 84 , 6374 (1987). 2. Silk, S.T., et al., <i>J. Biol. Chem.</i> , 264 , 21466 (1987). 3. Gilman, A.G., <i>Annu. Rev. Biochem.</i> , 56 , 615 (1987). C ₁₀ H ₁₂ N ₅ O ₁₀ P ₂ SLi ₃ MW 477.1	1 mg 5 mg	17.20 74.55
193657 RT	GUANABENZ ACETATE [23256-50-0] [(2,6-Dichlorobenzylidene)-amino]guanidine An α ₂ -adrenergic agonist. C ₈ H ₈ N ₂ Cl ₂ • C ₂ H ₄ O ₂ MW 291.1	25 mg 100 mg	20.95 74.95	159032 -20°C	GUANOSINE-5'-O-(3-THIOTRIPHOSPHATE) [94825-44-2] (GTP-S) Tetralithium salt Purity: >85% A GTP analog which activates protein G. Ref.: 1. Silk, S.T., et al., <i>J. Biol. Chem.</i> , 264 , 21466 (1989). 2. Gilman, A.G., <i>Annu. Rev. Biochem.</i> , 56 , 615 (1987). C ₁₀ H ₁₂ N ₅ O ₁₀ P ₃ SLi ₄ MW 563	1 mg 5 mg 10 mg	56.15 258.00 484.75
158926 0°C	N-(2-GUANIDINOETHYL)-5-ISOQUINOLINESULFONAMIDE [91742-10-8] (HA-1004) Hydrochloride Purity: 98% Inhibitor of PKA and PKG specifically over PKC and MLCK. Combined with H7 as a probe for PKC-specific effects. Ref.: 1. Hidaka, H., et al., <i>Biochemistry</i> , 23 , 5036 (1984). 2. Spangler, R., et al., <i>Proc. Natl. Acad. Sci. USA</i> , 86 , 7017 (1989). C ₁₂ H ₁₃ N ₅ O ₂ S • HCl MW 329.8	5 mg 10 mg	180.00 299.00	195213 0°C	GUANOSINE-5'-TRIPHOSPHATE [56001-37-7] (GTP) Disodium Salt Purity: 95-98% Enzymatically prepared by phosphorylation of 5'-GMP. C ₁₀ H ₁₄ N ₅ O ₁₀ P ₃ Na ₂ MW 567.2	10 mg 25 mg 100 mg 250 mg 500 mg 1 g	12.50 20.00 60.00 102.00 170.00 245.00
101433 0°C	GUANOSINE-3',5'-cyclic-MONOPHOSPHORIC ACID [40732-48-7] (3',5'-Cyclic GMP) Sodium Salt Purity: ~95% C ₁₀ H ₁₁ N ₅ O ₇ PNa MW 367.2	25 mg 100 mg 250 mg 500 mg 1 g	13.45 41.35 84.75 127.55 211.75	151204 0°C	5'-GUANYLYL-IMIDODIPHOSPHATE [64564-03-0] (GMP-PNP; Guanosine 5'-[β,γ-imido]triphosphate tetralithium salt) Tetralithium Salt C ₁₀ H ₁₃ Li ₄ N ₅ O ₁₀ P ₃ MW 545.9	5 mg 10 mg 25 mg	65.50 120.55 277.20
100702 0°C	GUANOSINE-5'-MONOPHOSPHATE [5550-12-9] Disodium Salt White crystalline powder Purity: 96-100% We believe this is the best GMP available anywhere. Many dealers offer off-white powders with small amounts of contaminants and residual salt. Our material shows only one spot by both TLC and electrophoresis and is also evaluated by UV absorption. C ₁₀ H ₁₂ N ₅ O ₆ PNa ₂ MW 407.2	500 mg 1 g 5 g 25 g 100 g	6.35 8.25 26.10 104.10 369.00	151219 0-5°C	GUAVACINE [498-96-4] (1,2,5,6-Tetrahydronicotinic acid) Hydrochloride GABA uptake inhibitor C ₆ H ₈ NO ₂ • HCl MW 163.5	100 mg	246.75
101433 0°C	GUANOSINE-3',5'-cyclic-MONOPHOSPHORIC ACID [40732-48-7] (3',5'-Cyclic GMP) Sodium Salt Purity: ~95% C ₁₀ H ₁₁ N ₅ O ₇ PNa MW 367.2	25 mg 100 mg 250 mg 500 mg 1 g	13.45 41.35 84.75 127.55 211.75	-H-			
101433 0°C	GUANOSINE-3',5'-cyclic-MONOPHOSPHORIC ACID [40732-48-7] (3',5'-Cyclic GMP) Sodium Salt Purity: ~95% C ₁₀ H ₁₁ N ₅ O ₇ PNa MW 367.2	25 mg 100 mg 250 mg 500 mg 1 g	13.45 41.35 84.75 127.55 211.75	<p>H-7 See: 1-(5-Isoquinolinesulfonyl)-2-methylpiperazine</p> <p>H-8 See: N-[2-(Methylamino)ethyl]-5-isoquinolinesulfonamide</p> <p>H-9 See: n-(2-Aminoethyl)-5-isoquinolinesulfonamide</p> <p>H-89 See: N-[2-(p-Bromocinnamylamino)ethyl]-5-isoquinolinesulfonamide</p> <p>HA-1004 See: N-(2-Guandinoethyl)-5-isoquinolinesulfonamide</p> <p>HA-1077 See: 1-(5-Isoquinolinesulfonyl)homopiperazine</p> <p>HA-156 See: 1-(8-Chloro-5-isoquinolinesulfonyl)piperazine</p>			

Neuroscience

One call. One source.
A world of biomedical products.

1183

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872



Neuroscience Products

CATALOG
NUMBER

U.S. \$

CATALOG
NUMBER

U.S. \$

159932 -20°C	HALOENOL LACTONE SUICIDE	1 mg	45.90
	SUBSTRATE [88070-98-8] (HELS), E-6-(Bromomethylene)tetrahydro-3-(1-naphthyl-2H-pyran-2-one). Purity: 98% Irreversibly and potently inhibits calcium-independent phospholipase A ₂ (70% at 100 nm) 100 fold greater than calcium-dependent PLA ₂ . Ref.: 1. Hazen, S.L., et al., <i>J. Biol. Chem.</i> , 266 , 7227 (1991). 2. Lehman, J.J., et al., <i>J. Biol. Chem.</i> , 268 , 20713 (1993).	5 mg	189.20
153696 RT	HALOPERIDOL	500 mg	12.00
	[52-86-8] (4-[4-(4-Chlorophenyl)-4-hydroxy-1-piperidinyl]-1-(4-fluorophenyl)-1-butanone) Dopamine antagonist C ₂₁ H ₂₃ ClFNO ₂ MW 375.9	1 g 5 g	17.00 35.00
153692 RT	HALOPERIDOL	5 mg	33.00
	[59995-68-5] (4-[4-(4-Chlorophenyl)-4-hydroxy-1-piperidinyl]-1-(4-chlorophenyl)-1-butanone) Chlorinated Analog C ₂₁ H ₂₃ NO ₂ Cl ₂ MW 392.3	10 mg 25 mg	59.00 118.00
153695 RT	HALOPERIDOL METABOLITE I	10 mg	21.75
	[39512-49-7] (4-(4-Chlorophenyl)-4-hydroxy-piperidine) C ₁₁ H ₁₄ ClNO MW 211.7	15 mg 25 mg	28.85 43.35
153694 RT	HALOPERIDOL METABOLITE II	15 mg	86.00
	[34104-67-1] Reduced Haloperidol (±)-4-(4-Chlorophenyl)-α-(4-fluorophenyl)-4-hydroxy-1-piperidinebutanol) C ₂₁ H ₂₃ ClFNO ₂ MW 377.9	25 mg 50 mg	120.40 206.35
153693 RT	HALOPERIDOL METABOLITE III	10 mg	21.75
	[366-77-8] (3-(4-Fluorobenzoyl)propionic acid) C ₁₀ H ₉ FO ₃ MW 196.2	15 mg 25 mg	28.85 43.35
158814 -20°C	HDBA	2 mg	90.85
	(2-Hydroxy-5-(2,5-dihydroxy-benzylamino)benzoic acid) Purity: > 98% Inhibits Ca ²⁺ /calmodulin kinase II (IC ₅₀ =0.2 μM) ¹ . Also inhibits EGF receptor tyrosine kinase (IC ₅₀ =0.044 μM) ² and pp60 ^{c-src} kinase (IC ₅₀ = 0.5 μM) ¹ . MW 275.3 Ref.: 1. O'Dell, T.J., et al., (1991), <i>Nature</i> , 353 , 558. 2. Takahashi, I., et al., (1989), <i>Biochem. Biophys. Res. Comm.</i> , 165 , 1207.	10 mg	364.35
193658 -20°C	HEAT	5 mg	49.60
	[30007-39-7] (2-[[β-(4-Hydroxyphenyl)-ethyl]aminomethyl]-1-tetralone) Hydrochloride A selective α ₁ -adrenoceptor agonist. C ₁₉ H ₂₁ NO ₂ • HCl MW 331.8	10 mg	90.40
151231 0°C	HEMICHOLINIUM-3	25 mg	10.00
	[312-45-8] (2,2'-[4,4'-Biphenylene]-bis-[2-hydroxy-4,4-dimethylmorpholinium bromide]) Purity: ~95% C ₂₂ H ₃₃ Br ₂ N ₂ O ₄ MW 574.4	100 mg 250 mg	20.00 47.60

158927 RT	N-HEPTYL-5-CHLORONAPHTHALENE-1-SULFONAMIDE	1 mg	70.00
	[102649-79-6] (SC-10) Purity: 99% Protein Kinase C activator. Ref.: Ito, M., et al., <i>Biochemistry</i> , 25 , 4179 (1986). C ₁₇ H ₂₂ ClNO ₂ S MW 339.9	5 mg	248.00
158928 -20°C	HERBIMYCIN A	100 μg	122.00
	[70563-58-5] From <i>Streptomyces hygroscopicus</i> Irreversibly inhibits tyrosine kinases. Also, inhibits thrombin-stimulated tyrosine phosphorylation of phospholipase C. Antibiotic against Src, Yes, Fps, Ros, and Erb oncogene reagents. Ref.: 1. Uehara, Y. and Fukazawa, H., <i>Methods Enzymol.</i> , 201 , 370 (1991). 2. Fukazawa, H., et al., <i>Biochem. Pharmacol.</i> , 42 , 1661 (1991). 3. Satoh, T., et al., <i>J. Biol. Chem.</i> , 267 , 2537 (1992). 4. Weiss, R. and Nuccitelli, R., <i>J. Biol. Chem.</i> , 267 , 5608 (1992).		
159118 -20°C	1-O-HEXADECYL-2-O-ACETYL-sn-GLYCEROL	5 mg	74.55
	[77133-35-8] Purity: 98% Protein kinase C inactivator. Also acts as a platelet activating factor precursor. Ref.: 1. Daniel, L.W., et al., <i>ibid.</i> , 151 , 291 (1988). 2. McNamara, M.J.C., et al., <i>ibid.</i> , 122 , 824 (1984). 3. Lee, T.C., et al., <i>J. Biol. Chem.</i> , 265 , 9181 (1990). C ₂₁ H ₄₂ O ₄ MW 358.6	10 mg 25 mg	131.90 315.30
159119 -20°C	1-O-HEXADECYL-2-O-ACETYL-sn-GLYCERO-3-PHOSPHO-(N,N,N-TRIMETHYL)HEXANOLAMINE	1 mg	66.45
	[99103-16-9] Purity: 98% Blocks platelet aggregation, secretion, and the production of IP ₃ induced by platelet activating factor (PAF). PAF antagonist. Ref.: 1. Tokumura, A., et al., <i>J. Biol. Chem.</i> , 260 , 12710 (1985). 2. Rouis, M., et al., <i>Biochem. Biophys. Res. Commun.</i> , 20 , (suppl. II), 20 (1988). 3. Buxton, D.B., et al., <i>Biochem. Pharmacol.</i> , 35 , 893 (1986). C ₃₀ H ₆₂ NO ₇ P MW 579.8	5 mg	298.10
159121 -20°C	1-O-HEXADECYL-2-O-DOCOSA-HEXAENOYL-sn-GLYCERO-3-PHOSPHORYLCHOLINE	5 mg	183.45
	[60-26-4] Purity: 98% PAF precursor in the lipid remodeling pathway. Ref.: Lee, T.C., et al., <i>J. Biol. Chem.</i> , 265 , 4181 (1990). MW 792.2	10 mg	338.25
101936 RT	HEXAMETHONIUM CHLORIDE	5 g	8.50
	[60-26-4] (Hexane-1,6-bis(trimethylammonium chloride)) Purity: ~99% C ₁₂ H ₃₀ Cl ₂ N ₂ MW 273.3	25 g 100 g	33.00 115.00
26038 0-5°C	N-HEXANOYL-D-erythro-DIHYDROSPHINGOSINE, [4,5-³H]	50 μCi	726.45
	Sp. Act. 30-60 Ci/mmol 1.11-2.22 TBq/mmol Ethanol solution. <i>Please call for delivery information.</i> MW 399.5		

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999 1184
Outside the U.S.: (714) 545-0100, fax (714) 557-4872

www.icnbiomed.com
Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$
16020 0-5°C	N-HEXANOYL-D-erythro-DIHYDROSPHINGOSINE, [Hexanoyl-1-¹⁴C] Sp. Act. 25-50 mCi/mmol 0.925-1.85 GBq/mmol Ethanol solution. <i>Please call for delivery information.</i> MW 399.5	50 µCi 726.45	159599 0°C	HISTONE H1 PHOSPHORYLATION SITE Arg-Arg-Lys-Ala-Ser-Gly-Pro-OH Substrate for protein kinase C. The phosphorylation site corresponds to Ser ³⁸ in calf thymus histone H1. MW 770.9	1 mg 68.75
158931 -20-0°C	N-HEXANOYL-D-SPHINGOSINE [124753-97-5] (C ₆ Ceramide; N-Caproyl-D-sphingosine; Caproyl ceramide) Purity: 98% Stimulates cytosolic serine/threonine protein phosphatase in T9 cells and induces the phosphorylation on Thr-669 in A-431 cells. Ref.: 1. Dobrowsky, R.T. and Hannun, Y.A., et al., <i>J. Biol. Chem.</i> , 267 , 5048 (1992). 2. Mathias, S., et al., <i>Proc. Natl. Acad. Sci. USA</i> , 88 , 10009 (1991).	1 mg 13.00 5 mg 58.85	157386 0-5°C	HOMOHARRINGTONINE [26833-87-4] Alkaloid from <i>Cephalotaxus hainanensis</i> . Reported to possess anti-leukemic activity. Ref.: Mikolajczak, K.L. and Smith, C.R., <i>J. Org. Chem.</i> , 43 , 1762 (1978). C ₂₂ H ₃₃ N ₃ O ₃ MW 545.6	1 mg 30.00 5 mg 119.00 10 mg 189.00
190212 0°C	HISTAMINE [51-45-6] [2-[4-Imidazolyl]ethylamine) Free Base Crystalline Packaged in sealed ampule C ₈ H ₉ N ₃ MW 111.1	1 g 26.20 5 g 111.55	158796 0°C	5-HTQ See: Trimethylserotonin iodide (±)-HUPERZINE A [102518-79-6] A potent acetylcholinesterase inhibitor. Nootropic agent. Improves memory and learning in animal models. Purity: > 98% Ref: Tang, X.C., et al., (1986), <i>Acta Pharm. Sin.</i> , 7 , 507. 2. Zhang, S.-L., (1986), <i>New Drugs Clin. Remedies</i> , 5 , 260. C ₁₅ H ₁₈ N ₂ O MW 242.3	1 mg 65.00 5 mg 294.00
100340 RT	HISTAMINE [56-92-8] [2-[4-Imidazolyl]-ethylamine 2HCl) Dihydrochloride Crystalline Purity: 98% C ₈ H ₉ N ₃ • 2HCl MW 184.1	5 g 13.75 10 g 20.65 25 g 44.65	151278 RT	HYDRALAZINE [304-20-1] (1-Hydrazinophthalazine; Apresoline) Dihydrochloride Crystalline Monoamine Oxidase inhibitor C ₈ H ₈ N ₄ • HCl MW 196.6	5 g 20.00 10 g 32.50 50 g 108.00
100343 0°C	HISTAMINE DIPHOSPHATE [51-74-1] Crystalline C ₈ H ₉ N ₃ • 2H ₃ PO ₄ MW 307.2	1 g 7.50 5 g 24.45 25 g 92.00	157403 RT	HYDROCHLOROTHIAZIDE [58-93-5] (6-Chloro-7-sulfamyl-3,4-dihydro-1,2,4-benzothiazine 1,1-dioxide) Crystalline A carbonic anhydrase inhibitor C ₇ H ₈ ClN ₂ O ₄ S ₂ MW 297.7	5 g 12.90 25 g 40.65 100 g 110.50
193590 0-5°C	HISTAMINE ELISA KIT This Histamine ELISA kit provides materials for the quantitative measurement of acylated histamine in plasma, urine, and cell culture supernatants. The assay procedure follows the basic principle of competitive ELISA whereby there is competition between biotinylated and non-biotinylated antigen for a fixed number of antibody binding sites. The kit is a 12 x 8 well format. <i>FOR RESEARCH USE ONLY!</i>	1 each 735.00	193661 0-5°C	N^G-HYDROXY-L-ARGININE [53054-07-2] Acetate Salt Intermediate in the conversion of L-arginine into nitric oxide (NO) and citrulline. C ₈ H ₁₄ N ₄ O ₃ • C ₂ H ₃ O ₂ MW 250.2	5 mg 70.00 10 mg 130.00
193591 0-5°C	HISTAMINE RELEASE ASSAY KIT This assay measures the release of histamine which occurs upon stimulation of basophilic granulocytes depending upon their sensitivity to an allergen. Heparinized whole blood samples are incubated with different concentrations of the suspected allergen. The released histamine in the supernatant is subsequently determined using a specific plasma immunoassay, such as the Histamine ELISA Kit (Cat. No. 193590) from ICN. The kit contains sufficient materials for 96 assays when used in connection with the Histamine ELISA kit. <i>FOR RESEARCH USE ONLY!</i>	1 each 44.10	193663 RT	L-(-)-threo-β-HYDROXYASPARTIC ACID [7298-99-9] Neurotoxic inhibitor of L-glutamic acid and L-aspartic acid uptake. C ₄ H ₇ NO ₅ MW 149.1	1 mg 25.00 5 mg 90.00
101948 RT	L-HISTIDINOL [1596-64-1] Dihydrochloride Crystalline Powerful, reversible inhibitor of protein synthesis. A normal precursor of procarotenes and eucaryotes. Ref.: <i>J. Bio. Chem.</i> , 26 , 3854 (1972). C ₈ H ₁₁ N ₃ O • 2HCl MW 214.1	100 mg 20.50 250 mg 38.90 500 mg 65.20 1 g 111.30 5 g 445.25	153699 RT	3-HYDROXYBENZYLHYDRAZINE [81012-99-9] (α-Hydrazino-m-cresol) Dihydrochloride Centrally acting dopamine decarboxylase inhibitor; penetrates the bloodbrain barrier. C ₇ H ₁₀ N ₂ O • 2HCl MW 211.1	250 mg 20.00
158932 RT			158932 RT	(±)-4-HYDROXYDEBRISOQUIN [59333-79-8] Purity: 99% Metabolite of debrisoquin. Also an indicator for cytochrome p-450 polymorphism. Ref.: 1. Idle, J.R., et al., <i>Br. J. Clin. Pharmacol.</i> , 7257 (1979). 2. Guengerich, F.P., <i>Trends Pharmacol. Sci.</i> , 10 , 107 (1989). C ₁₁ H ₁₃ N ₃ O MW 191.2	5 mg 22.95 10 mg 43.90 25 mg 106.60 50 mg 208.70
193664 RT			193664 RT	5-HYDROXYDECANOIC ACID [624-00-0] Sodium Salt A K ⁺ channel antagonist which blocks the post-ischemic effects of the K ⁺ channel activator cromakalim. C ₁₁ H ₁₉ O ₃ Na MW 210.2	25 mg 22.05 100 mg 79.40

Neuroscience

One call. One source.
A world of biomedical products.

1185

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872



CATALOG
NUMBER

Neuroscience Products

U.S. \$

CATALOG
NUMBER

U.S. \$

159936
RT
(±)-7-HYDROXY-2-DIPROPYL-AMINOTETRALIN
[94938-11-7]
(±)-7-OH-DPAT
Hydrobromide
Purity: 98%
Selective agonist for D₃ dopamine
Ref.: Zhuang, Z.P., et al., *J. med. Chem.*, **36**, 1499 (1993).
C₁₆H₂₃NO • HBr MW 329.3

5 mg	32.05
10 mg	51.60
25 mg	114.65
50 mg	212.10

158933
RT
(±)-8-HYDROXY-2-DIPROPYL-AMINOTETRALIN
[87394-87-4]
(±)-8-Hydroxy-DPAT
Hydrobromide
Purity: 99%
Specific 5-HT_{1A} agonist.
Ref.: Middlemiss, D.N., et al., *Eur. J. Pharmacol.*, **90**, 151 (1983).
C₁₆H₂₃NO • HBr MW 328.3

25 mg	106.30
50 mg	192.05
100 mg	366.90

105657
0°C
6-HYDROXYDOPAMINE
[636-00-0]
(2,4,5-Trihydroxyphenethylamine hydrobromide)
Hydrobromide
Crystalline
Purity: ~99%
Useful pharmacological tool.
Selectively destroys adrenergic receptor sites.
C₈H₁₁NO₃ • HBr MW 250.1

50 mg	37.50
100 mg	56.15
250 mg	112.35
500 mg	187.30

153541
0-5°C
7-(β-HYDROXYETHYL)-THEOPHYLLINE
[519-37-9]
(1,3-Dimethyl-7-(β-hydroxyethyl-xanthine)
C₈H₁₂N₄O₃ MW 224.2

1 g	11.45
5 g	34.40

159937
-20°C
α-HYDROXYFARNESYL-PHOSPHONIC ACID
[140633-12-1]
Purity: 96%
Potently inhibits farnesyltransferase in certain enzyme assays and in complete cells. It is more selective than geranylgeranyltransferases I and II.
Ref.: 1. Gibbs, J.B., et al., *J. Biol. Chem.*, **268**, 7617 (1993).
2. Pompilano, D.L., et al., *Biochemistry*, **31**, 3800 (1992).
MW 302.4

1 mg	218.00
------	--------

102004
0°C
5-HYDROXYINDOLE-3-ACETIC ACID
[68866-39-5]
Dicyclohexylammonium Salt
White crystals
Purity: 99+%
C₁₇H₂₃NO₃ • C₁₂H₂₃N MW 372.5

100 mg	15.65
500 mg	55.85
1 g	97.05

102005
0°C
5-HYDROXYINDOLE-3-ACETIC ACID
[1321-73-9]
Free Acid
Purity: 98-100%
Metabolite of serotonin
Light yellow crystals
C₁₁H₉NO₃ MW 191.2

25 mg	10.90
100 mg	21.20
500 mg	83.10
1 g	126.10

193592
0-5°C
5-HYDROXY-3-INDOLE ACETIC ACID ELISA KIT
(5-HIAA ELISA)
This 5-HIAA enzyme immunoassay kit provides materials for the quantitative measurement of chemically derivatized 5-HIAA in urine. The assay procedure follows the basic principle of competitive ELISA, whereby there is competition between biotinylated and non-biotinylated antigen for a fixed number of antibody binding sites. This kit is a 12 x 8 format.

1 each	585.00
--------	--------

FOR RESEARCH USE ONLY!

159938
RT
2-(5-HYDROXY-3-INDOLYL)ETHYLTRI-METHYLAMMONIUM IODIDE
(5-HTQ)(N,N,N-trimethylserotonin iodide)
Purity: 98%
Agonist of serotonin 5-HT₃.
Ref.: Richardson, B.P., et al., *Nature*, **316**, 126 (1985)
MW 346.2

5 mg	59.00
10 mg	99.75
25 mg	217.85

102003
0-5°C
3-HYDROXY-DL-KYNURENINE
[2147-61-7]
(α,2-Diamino-3-hydroxy-γ-oxobenzenebutanoic acid)
Monamine Oxidase Substrate
Crystalline
C₁₁H₁₂N₂O₄ MW 224.2

5 mg	13.75
25 mg	48.20
100 mg	169.70

154151
0-5°C
6-HYDROXYMELATONIN
[2208-41-5]
Crystalline
Metabolite of melatonin.
C₁₃H₁₆N₂O₃ MW 248.3

50 mg	142.05
100 mg	250.00

159147
0-5°C
DL-3-HYDROXY-4-METHOXYMANDELIC ACID
[3695-24-7]
(Isovanillylmandelic acid)
Free Acid
Purity: 99%
C₉H₁₀O₃ MW 198.2

250 mg	26.35
500 mg	45.90
1 g	74.55

105689
0-5°C
DL-4-HYDROXY-3-METHOXY-MANDELIC ACID
[55-10-7]
(Vanillylmandelic acid;
α,4-Dihydroxy-3-methoxybenzeneacetic acid; VMA)
Crystalline
A metabolite of epinephrine.
C₉H₁₀O₅ MW 198.2

250 mg	15.00
500 mg	25.00
1 g	45.00
5 g	180.00

159939
0°C
2-HYDROXYMYRISTIC ACID
[2507-55-3]
(DL-α-Hydroxymyristic acid;
2-Hydroxytetradecanoic acid)
Purity: 98%
A posttranslational modification reagent which inhibits protein myristoylation after metabolic activation. A useful tool for differentiating myristoylation and palmitoylation of proteins. It prevents p56 mediated signal transduction and stops *Varicella zoster* virus replication.
Ref.: 1. Abraham, N. and Veillette, A., *Mol. Cell. Bio.*, **10**, 5197 (1990).
2. Spiegel, A.M., et al., *Trends Biochem. Sci.*, **16**, 338 (1991).
3. Paige, L.A., et al., *J. Biol. Chem.*, **268**, 8669 (1993).
C₁₄H₂₈O₃ MW 244.4

10 mg	21.45
25 mg	45.30
50 mg	82.60

1-HYDROXY-2-OXO-3-(3-AMINOPROPYL)-3-ISOPROPYL-1-TRIAZENE
See: NOC-5

159942
-20°C
4-HYDROXYPHENYLRETINAMIDE
[65646-68-6]
Purity: 97%
Demonstrates anti-proliferative activity on human breast cancer cells in culture. Induces malignant hemopoietic cell line apoptosis.
Ref.: 1. Marth, C., et al., *J. Natl. Cancer Inst.*, **75**, 871 (1985). 2. Grubbs, C.J., et al., *Anticancer Res.*, **10**, 661 (1990). 3. Della, D., et al., *Cancer Res.*, **53**, 6036 (1993).
MW 391.5

1 mg	39.85
5 mg	181.10
10 mg	315.30

2-HYDROXYSCLOFENIN
See: 3-Amino-2-(4-chlorophenyl)-2-hydroxypropane-sulfonic acid

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999 1186
Outside the U.S.: (714) 545-0100, fax (714) 557-4872

www.icnbiomed.com
Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$
153690	HYDROXYTACRINE [112964-99-5] (HP-029) (9-Amino-1,2,3,4-tetrahydro-acridine-1-(2H)-ol maleate) Maleate Salt Cholinesterase inhibitor $C_{19}H_{14}N_2O \cdot C_8H_4O_4$ MW 330.3	25 mg 36.15 50 mg 57.80 100 mg 108.45		-I-	
153765	5-HYDROXYTRYPTAMINE [153-98-0] (Serotonin HCl) Hydrochloride A neurotransmitter $C_{10}H_{12}N_2O \cdot HCl$ MW 212.7	25 mg 15.00 50 mg 25.00 100 mg 40.00 250 mg 81.00 1 g 225.00			
102885	5-HYDROXYTRYPTAMINE [3036-16-6] (Serotonin hydrogenoxalate) Oxalate Salt Light tan crystals $C_{10}H_{12}N_2O \cdot C_2H_4O_4$ MW 266.3	100 mg 16.00 1 g 115.00			
100751	5-HYDROXY-L-TRYPTOPHAN [4350-09-8] Purity: 99% Crystalline Precursor of serotonin $C_{11}H_{12}N_2O_2$ MW 220.2	250 mg 9.50 1 g 17.00 5 g 50.00 25 g 199.00			
158934	25-HYDROXYVITAMIN D₃ [19356-17-3] Purity: 99% Essential intermediate of $1\alpha,25$ -dihydroxyvitamin D ₃ biosynthesis. Also appears as a circulating metabolite of vitamin D ₃ . Ref.: DeLuca, H.F., et al., J. Clin. Invest., 48, 1273 (1969). MW 400.6	1 mg 63.05 5 mg 286.65			
157513	HYGROMYCIN B [31282-04-9] Purity: ≥85% Aqueous solution, approx. 450,000 units/ml. $C_{20}H_{33}N_3O_{13}$ MW 527.5 $C_{20}H_{33}N_3O_{13}$ MW 527.5	250 KU 45.00 1 MU 143.55 5 MU 627.65			
193423	HYPERICIN [548-04-9] From <i>Hypericum perforatum</i> Purity: >85% Selective inhibitor of Protein Kinase C $C_{33}H_{16}O_8$ MW 504.5	1 mg 77.00			
159711	HYPOTAURINE [300-84-5] (2-Aminoethylsulfonic acid) Crystalline $C_2H_7NO_2S$ MW 109.2	100 mg 75.00 250 mg 150.00			
158935	IBERIOTOXIN [129203-60-7] From <i>Buthus tamulus</i> Scorpion Purity: 98% More specific than charybotoxin at inhibiting high conductance Ca^{2+} -activated K^+ channel via allosteric inhibition. Ref.: Galvez, A., et al., J. Biol. Chem., 265, 11083 (1990). MW 4231.8	100 μg 590.50			
190215	IBOTENIC ACID [2552-55-8] (α -Amino-3-hydroxy-5-isoxazole acetic acid) Isolated from wild <i>Amanita pantherino</i> . Crystalline Purity: ~95% Used in study of the GABA-nergic system. Also see: Muscimol. $C_5H_9N_2O_4$ MW 158.1	1 mg 79.00 5 mg 239.00			
190216	IBUPROFEN [15687-27-1] (α -Methyl-4-[2-methylpropyl]benzeneacetic Acid) Crystalline An anti-inflammatory and analgesic. Also inhibits cyclooxygenase, PGH synthase-1 and PGH synthase -2. $C_{13}H_{18}O_2$ MW 206.3	1 g 15.90 5 g 60.20 10 g 107.45			
26039	RS-IBUPROFEN [³H(G)] Sp. Act. 100-500 mCi/mmol 3.70-18.5 TBq/mmol Ethanol solution. Please call for delivery information. MW 206.3	250 μCi 653.65 1 mCi 1575.35			
16021	R(-)-IBUPROFEN [Carboxy-¹⁴C] Sp. Act. 50-60 mCi/mmol 1.85-2.22 TBq/mmol Ethanol solution. Please call for delivery information. $CH_3CHCH_2C_6H_4CH(CH_3)CO_2H$ MW 206.3	50 μCi 1211.55			

One call. One source.
A world of biomedical products.

1187

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872

16022 0-5°C	RS-IBUPROFEN [Carboxy-¹⁴C] (4-Isobutyl- α -methylphenylacetic acid) Sp. Act. 50-60 mCi/mmol 1.85-2.22 TBq/mmol Ethanol solution. Please call for delivery information. CH ₃ CHCH ₂ C ₆ H ₄ CH(CH ₃)CO ₂ H MW 206.3	50 μ Ci 250 μ Ci	605.15 1575.35	193666 RT	IMETIT [102203-18-9] (S-[2-(imidazol-4-yl)ethyl]isothiourea) Dihydrobromide Potent, selective H ₃ histamine receptor agonist. C ₈ H ₁₀ N ₄ S • 2HBr MW 332.1	1 mg 5 mg 10 mg	14.25 44.10 79.40
16023 0-5°C	S(+)-IBUPROFEN [Carboxy-¹⁴C] (4-Isobutyl- α -methylphenylacetic acid) Sp. Act. 50-60 mCi/mmol 1.85-2.22 TBq/mmol Ethanol solution. Please call for delivery information. CH ₃ CHCH ₂ C ₆ H ₄ CH(CH ₃)CO ₂ H MW 206.3	50 μ Ci	605.15	193667 RT	IMIDAZOLE-4-ACETIC ACID [3251-69-2] Hydrochloride A GABA _A antagonist. C ₅ H ₆ N ₂ O ₂ • HCl MW 162.6	25 mg 100 mg	24.25 72.75
195865 -20°C	ICE INHIBITOR (CPP32/Apopain Inhibitor; Ac-DEVD-CHO) Ac-Asp-Glu-Val-Asp-CHO Purity: >97% Potent, specific and reversible CPP32/Apopain inhibitor. C ₂₃ H ₃₃ N ₄ O ₁₁ MW 502.5	1 mg	98.00	159948 RT	6-[2-(4-IMIDAZOYL)ETHYLAMINO]-N-(4-TRIFLUOROMETHYLPHENYL)-HEPTANE CARBOXAMIDE (HTMT) Dimaleate Salt Purity: 98% Receptor agonist to the histamine H ₁ . Ref.: 1. Khan, M.M., et al., <i>J. Immunol.</i> , 137 , 308 (1986). 2. Qiu, R., et al., <i>J. Pharmacol. Exp. Therap.</i> , 253 , 1245 (1990). MW 614.6	1 mg 5 mg	18.95 73.35
195870 -20°C	ICE INHIBITOR I [143313-51-3] (Ac-YVAD-CHO; Caspase Inhibitor I) Ac-Tyr-Val-Ala-Asp-CHO Purity: >97% Inhibits Interleukin 1 β Converting Enzyme (ICE). C ₂₂ H ₃₃ N ₄ O ₉ MW 520.5	1 mg 5 mg	89.25 273.00	193668 RT	N⁵-(1-MINOETHYL)-L-ORNITHINE [36889-13-1] (L-NIO) Hydrochloride Purity: >98% Powerful inhibitor of endothelial nitric oxide synthase. C ₇ H ₁₃ N ₃ O ₂ • 2HCl MW 246	1 mg 5 mg	22.85 89.25
195872 -20°C	ICE INHIBITOR II (Ac-YVAD-CMK) Ac-Tyr-Val-Ala-Asp-CMK Purity: >97% Biotinylated Inhibits Interleukin 1 β Converting Enzyme (ICE) irreversibly. MW 724.3	1 mg 5 mg	110.25 341.25	193669 RT	2-IMINOPIPERIDINE Hydrochloride A nitric oxide synthase inhibitor, with selectivity for the inducible form (iNOS). C ₈ H ₁₂ N ₂ • HCl MW 134.6	1 mg 5 mg 25 mg	6.75 15.75 41.00
195873 -20°C	ICE INHIBITOR III Ac-Tyr-Val-Ala-Asp-Acylloxymethylketone Purity: >90% Selectively and strongly inhibits Interleukin 1 β Converting Enzyme (ICE). MW 761.7	1 mg	98.00	26040 0-5°C	IMIPRAMINE [N-Methyl-³H] Hydrochloride Sp. Act. 70-90 Ci/mmol 2.59-3.33 TBq/mmol Ethanol solution. Please call for delivery information. MW 316.9	250 μ Ci 1 mCi	641.55 1575.35
195868 -20°C	ICE SUBSTRATE (CPP32/Apopain Substrate; Ac-DEVD-AMC) Ac-Asp-Glu-Val-Asp-AMC Purity: >97% Fluorometric substrate for CPP32/Apopain and related cysteine proteases. C ₃₃ H ₃₃ N ₃ O ₁₃ MW 675.6	1 mg	79.00	190218 RT	IMIPRAMINE [113-52-0] (10,11-Dihydro-N,N-dimethyl-dibenz[b,f]azepine-5-propanamine) Hydrochloride Crystalline A serotonin uptake inhibitor. C ₁₉ H ₂₂ N ₂ • HCl MW 316.9	5 g 25 g 100 g	14.65 46.75 129.50
159785 0-5°C	IFENPRODIL [23210-56-2] NMDA receptor antagonist. Ref.: Graham, et al., <i>Eur. J. Pharm.</i> , 226 , 373 (1992). C ₂₂ H ₂₇ N ₃ O ₂ MW 325.4	5 mg 10 mg 25 mg	40.10 71.65 143.30	193671 0-5°C	INDATRALINE [96850-13-4] Hydrochloride Inhibitor of dopamine, norepinephrine and serotonin uptake. C ₁₈ H ₁₉ NCl ₂ • HCl MW 328.7	1 mg 5 mg	12.50 47.40
159947 -20°C	ILIMAQUINONE [71678-03-0] Purity: 99% Completely and reversibly induces the breakdown of Golgi membranes. Inhibits the association of β -COP and ADP-ribosylation factor to Golgi membranes. It does not induce the redistribution of Golgi membranes into the endoplasmic reticulum or the random fusion of adjacent Golgi cisternae. Ref.: 1. Takizawa, P.A., et al., <i>Cell</i> , 73 , 1 (1993). 2. Veit, B., et al., <i>J. Biol. Chem.</i> , 122 , 1197 (1993). MW 358.5	100 μ g	138.85	152287 0°C	INDO 1 [132319-56-3] (1-[2-Amino-5-(6-carboxyindol-2-yl)phenoxy]-2-(2'-amino-5'-methylphenoxy)ethane-N,N,N',N'-tetraacetic acid) Pentassium Salt Calcium chelator and indicator. Unusually large shift in fluorescence emission from 480 nm to 400 nm makes INDO 1 useful for spectrofluorometric determinations of calcium. C ₃₃ H ₂₈ N ₃ O ₁₂ Na ₅ MW 759.6	1 mg	87.25

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$
152288	INDO 1-AM [112926-02-0] The acetoxyethyl ester of INDO 1. Able to permeate cell membranes, is then rapidly hydrolyzed by cytoplasmic esterases, releasing INDO 1 inside the cell, where it remains trapped. C ₁₇ H ₁₅ N ₃ O ₂₂ MW 1009.9	1 mg 104.95	195689	D,L-myo-INOSITOL-1,4,5-TRIPHOSPHOROTHIOATE (InsP ₃ S ₃) Hexatriethylamine Salt Purity: 98% IP ₃ analog which is resistant to metabolic enzymes, thus, has an extended duration of action. It resists IP ₃ kinase and 5-phosphatase which it potently inhibits. MW 694.3	1 mg 273.00
159601	(+)-INDOLACTAM V [90365-56-3] Purity: 99+% C ₁₇ H ₂₃ N ₃ O ₂ MW 301.4	1 mg 148.90	158352	D-myo-INOSITOL 1,3,4-TRIPHOSPHATE (IP₃) [140385-74-6] Hexapotassium Salt Ins(1,3,4)P ₃ Synthetic Purity: >99% as per ¹ H and ³¹ P NMR. [α] _D ²⁵ = +13.6° (c = 2, pH 8.2) Ref: Rossier, M.F., et al., (1986), <i>Biochem. Biophys. Res. Commun.</i> , 139 , 259. C ₆ H ₉ O ₁₃ P ₃ K ₆ MW 648.6	100 μg 192.25
159602	(-)-INDOLACTAM V [90385-57-4] Purity: 99+% Activates protein kinase C C ₁₇ H ₂₃ N ₃ O ₂ MW 301.4	1 mg 115.85	158354	D-myo-INOSITOL 1,4,5-TRIPHOSPHATE Tripotassium Salt Ins(1,4,5)P ₃ Synthetic Enantiomerically pure. Greater than 99% pure as per ¹ H and ³¹ P NMR Functions as a second messenger in the release of calcium from intracellular organelles; has been implicated as a mediator of phototransduction in <i>Limulus</i> photoreceptors where it effects changes in ion permeability and sodium ion currents. Soluble in water. Ref: 1. Berridge, M.J. and Irvine, R.F., (1984), <i>Nature</i> , 312 , 315. 2. Brown, J.E., et al., (1984), <i>Nature</i> , 311 , 160. 3. Grado, C. and Ballou, C.E., (1961), <i>J. Biol. Chem.</i> , 236 , 54. 4. Tomlinson, R.V. and Ballou, C.E., (1961), <i>J. Biol. Chem.</i> , 236 , 1902. 5. Brockerhoff, H. and Ballou, C.E., (1961), <i>J. Biol. Chem.</i> , 236 , 1907.	1 mg 156.50
190217	INDOMETHACIN [53-86-1] (1-[p-Chlorobenzoyl]-5-methoxy-2-methylindole-3-acetic acid) Crystalline Inhibitor of cyclooxygenase. C ₁₉ H ₁₆ ClNO ₄ MW 357.8	1 g 14.05 5 g 21.50 10 g 35.85 25 g 64.90 100 g 170.45	158354	D-myo-INOSITOL 1,4,5-TRIPHOSPHATE Tripotassium Salt Ins(1,4,5)P ₃ Synthetic Enantiomerically pure. Greater than 99% pure as per ¹ H and ³¹ P NMR Functions as a second messenger in the release of calcium from intracellular organelles; has been implicated as a mediator of phototransduction in <i>Limulus</i> photoreceptors where it effects changes in ion permeability and sodium ion currents. Soluble in water. Ref: 1. Berridge, M.J. and Irvine, R.F., (1984), <i>Nature</i> , 312 , 315. 2. Brown, J.E., et al., (1984), <i>Nature</i> , 311 , 160. 3. Grado, C. and Ballou, C.E., (1961), <i>J. Biol. Chem.</i> , 236 , 54. 4. Tomlinson, R.V. and Ballou, C.E., (1961), <i>J. Biol. Chem.</i> , 236 , 1902. 5. Brockerhoff, H. and Ballou, C.E., (1961), <i>J. Biol. Chem.</i> , 236 , 1907.	1 mg 86.00
151325	INGENOL [30220-46-3] A weak Protein Kinase C activator. POSSIBLE CARCINOGEN! C ₂₀ H ₂₈ O ₅ MW 348.4	1 mg 60.00 5 mg 238.95	159606	D-myo-INOSITOL 1,4,5-TRIPHOSPHATE [112571-69-4] Triammonium Salt Purity: 99+% C ₆ H ₁₂ O ₁₃ P ₃ • (NH ₄) ₃ MW 471.2	1 mg 86.00
159603	scyllo-INOSITOL [488-59-5] (Scyllitol) C ₆ H ₁₂ O ₆ MW 180.2	1 mg 9.50 5 mg 18.75	154602	D-myo-INOSITOL-1,4,5-TRIPHOSPHATE [103476-24-0] (L-α-Phosphatidylinositol 4,5-bisphosphate) From Bovine Brain Tripotassium Salt Purity: ~98% Contains less than 1% of the 2,4,5-isomer. Reported to stimulate selective and specific mobilization of intracellular calcium. Involved in cell growth and oncogenesis. Ref.: 1. Vacca, et al., <i>J. Am. Chem. Soc.</i> , 109 , 3478 (1987). 2. Abdel-Latif, Pharmacol. Rev., 38 , 227 (1986). 3. Berridge, M.J. and Irvine, R.F., <i>Nature</i> , 312 , 315 (1984).	100 μg 108.45
102052	D-myo-INOSITOL [87-89-8] (l-Inositol, myo-Inositol; meso-Inositol) A lipotropic agent. C ₆ H ₁₂ O ₆ MW 180.2	50 g 14.85 100 g 21.80 500 g 78.40 1 kg 141.25	159607	L-myo-INOSITOL 1,4,5-TRIPHOSPHATE [129828-71-3] Hexapotassium Salt Purity: 99% Unnatural enantiomer of IP ₃ C ₆ H ₉ O ₁₃ P ₃ K ₆ MW 648.6	1 mg 94.00
158353	D-myo-INOSITOL 1,3,4,5-TETRAPHOSPHATE [135269-51-1] Ins(1,3,4,5)P ₄ Potassium Salt Synthetic Purity: >99% as per ¹ H and ³¹ P NMR. Enantiomerically pure. [α] _D ²⁵ = -3.6° (c = 5.5, pH 8.3) Ref: (1) Irvine, R.F., et al., (1986), <i>Nature</i> , 320 , 631. (2) Hansen, C.A., et al., (1986), <i>J. Biol. Chem.</i> , 261 , 8100. (3) Cerdan, S., et al., (1986), <i>J. Biol. Chem.</i> , 261 , 14676. (4) Higashida, H. and Brown, D.A., (1986), <i>FEBS</i> , 208 , 283. (5) Irvine, R.F. and Moor, R.M., (1986), <i>Biochem. J.</i> , 240 , 917. C ₆ H ₈ O ₁₈ P ₄ K ₈ MW 804.8	1 mg 751.20			
195687	D-myo-INOSITOL-1,4,5-TRIPHOSPHATE [103476-24-0] (IP ₃) Hexapotassium Salt Purity: 99% Stimulates the release of calcium ions from intracellular stores. MW 648.6	1 mg 373.85			
195688	D-myo-INOSITOL-1,4,5-TRIPHOSPHATE [108340-81-4] (IP ₃) Hexasodium Salt Purity: 99% MW 552.0	1 mg 212.75			

Neuroscience

One call. One source.
A world of biomedical products.

1189

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872



Neuroscience Products

CATALOG
NUMBER

U.S. \$

CATALOG
NUMBER

U.S. \$

693231 0-5°C	β3-INTEGRIN MONOCLONAL ANTIBODY Anti-Human Clone: BB10 Isotype: mouse IgG; presented affinity purified Conc/Titer: 1 µg/10 µl Applications: Immunohistochemistry; Immunoblotting The original immunogen was a partially purified platelet glycoprotein IIb/IIIa complex. The antibody reacts with beta-3-integrin including the GPIIla of platelets.	10 µg	83.95
159949 -20°C	m-IODOBENZYLGUANIDINE [80663-95-2] (MIBG) Hemisulfate Salt Purity: 98% Arginine specific mono-ADP-ribosyltransferase competitive inhibitor. Antitumor agent which prevents ADP-ribosylation-dependent signal transduction pathways. Ref.: 1. Smets, L.A., et al., <i>Biochim. Biophys. Acta</i> , 1054 , 49 (1990). 2. Loesberg, C., et al., <i>Biochim. Biophys. Acta</i> , 1037 , 92 (1990). 3. Halldorsson, H., et al., <i>FEBS Lett.</i> , 314 , 322 (1992). C ₈ H ₁₁ N ₃ • 1/2H ₂ SO ₄ MW 324.1	1 mg 5 mg	25.00 105.00
153686 RT	p-IOODOCLONIDINE [108294-53-7] [2-[(2,6-Dichloro-4-iodophenyl)imino]imidazoline] Hydrochloride An α ₂ -adrenergic agonist. C ₈ H ₈ Cl ₂ N ₂ • HCl MW 392.5	5 mg 10 mg 25 mg	25.35 43.35 86.75
193673 0-5°C	2-IODOMELATONIN [93515-00-5] A melatonin agonist. C ₁₇ H ₁₉ N ₂ O ₂ MW 358.2	5 mg 25 mg	27.55 110.25
158937 0°C	1-(5-IODONAPHTHALENE-1-SULFONYL)-1H-HEXAHYDRO-1,4-DIAZEPINE [110448-33-4] (ML-7) Hydrochloride Purity: 99% Strongly and specifically inhibits MLC kinase. Ref.: Saitoh, M., et al., <i>J. Biol. Chem.</i> , 262 , 7796 (1987). C ₁₉ H ₁₇ N ₂ O ₂ S • HCl MW 452.7	5 mg	48.00
158938 RT	1-(4-IODOPHENYL)-3-(2-ADAMANTYL)GUANIDINE Purity: 99% α-receptor antagonist. Ref.: Wilson, A.A., et al., <i>J. Med. Chem.</i> , 34 , 1867 (1991).	10 mg 50 mg	135.00 562.50
153683 0-5°C	5-IODOTUBERCIDIN [24386-93-4] (ITU; 4-Amino-5-iodo-7-[(β-D-ribofuranosyl)pyrrolo[2,3-d]-pyrimidine]) Purity: ≥98% Adenosine kinase inhibitor. C ₁₁ H ₁₃ N ₃ O ₄ MW 392.2	1 mg 5 mg	75.00 345.00
155069 0°C	3-iodo-L-TYROSINE [70-78-0] (3-Monoiodo-L-tyrosine) Crystalline Purity: ~97% May contain up to 3% tyrosine. C ₉ H ₁₀ NO ₃ MW 307.1	1 g 5 g	20.50 69.00

159611 0-5°C	IONOMYCIN [56092-81-0] Free Acid Purity: 90+% Selective calcium ionophore C ₄₁ H ₇₂ O ₉ MW 709.0	1 mg	126.10
155070 0-5°C	IONOMYCIN [56092-82-1] Calcium Salt From <i>Streptomyces conglobatus</i> A polyether ionic antibiotic that exhibits an affinity for Ca ²⁺ . Ref.: Toeplitz, B.K., et al., <i>J. Am. Chem. Soc.</i> , 101 , 3344 (1979). U.S. Patent No. 3,873,693. C ₄₁ H ₇₀ O ₉ Ca MW 747.1	1 mg 5 mg	60.00 240.00
153682 RT	IPRATROPIUM BROMIDE [22254-24-6] (3-(3-Hydroxy-1-oxo-2-phenylpropoxy)-8-methyl-8-(1-methyl-ethyl)-8-azoniabicyclo[3.2.1]octane bromide) Anticholinergic C ₂₂ H ₂₈ BrNO ₃ MW 412.4	25 mg 50 mg 100 mg	31.80 56.40 101.25
153538 0-5°C	IPRONIAZID PHOSPHATE [305-33-9] Crystalline Monoamine Oxidase inhibitor C ₈ H ₁₃ N ₃ O • H ₃ PO ₄ MW 277.2	250 mg 1 g	10.90 21.75
195262 0°C	3-ISOBUTYL-1-METHYLXANTHINE [28822-58-4] (IBMX) Crystalline Inhibits cyclic-AMP phosphodiesterase. Ref.: 1. Beavo, J.A., et al., <i>Molec. Pharmacol.</i> , 6 , 597 (1970); 2. Montague, W. and Cook, J.R., <i>Biochem. J.</i> , 122 , 115 (1971). C ₁₀ H ₁₅ N ₂ O ₂ MW 222.2	100 mg 250 mg 1 g 5 g	15.00 30.00 83.00 330.00
153685 0-5°C	ISOGUACINE [64603-90-3] Hydrochloride GABA agonist C ₆ H ₉ NO ₂ • HCl MW 163.6	5 mg 10 mg 25 mg	17.35 28.85 57.80
151362 RT	ISONIPECOTIC ACID [498-94-2] (Hexahydroisonicotinic acid) Crystalline Purity: 99% GABA agonist C ₆ H ₁₁ NO ₂ MW 129.2	10 g 25 g 100 g	20.00 40.00 120.00
193675 0-5°C	ISOPROPYLAMINE bis(NITRIC OXIDE) ADDUCT Releases Nitric Oxide (NO) into aqueous solutions. C ₁₁ H ₁₉ N ₃ O ₂ MW 262.4	5 mg 25 mg	26.45 101.45
151368 RT	DL-ISOPROTERENOL [51-30-9] (Isopropylarterenol) Hydrochloride Crystalline A Bronchodilator C ₁₁ H ₁₇ NO ₃ • HCl MW 247.7	5 g 25 g	50.00 150.00
151366 RT	L-(-)-ISOPROTERENOL D-(+)-BITARTRATE [54750-10-6] Dihydrate Crystalline C ₁₁ H ₁₇ NO ₃ • C ₄ H ₆ O ₆ • H ₂ O MW 379.3	100 mg 500 mg	11.00 34.50

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999 1190
Outside the U.S.: (714) 545-0100, fax (714) 557-4872

www.icnbiomed.com
Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$		
158939 0°C	1-(5-ISOQUINOLINE-SULFONYL)-HOMOPIPERAZINE [103745-39-7] (HA-1077)	10 mg	133.05	-J-			
		25 mg	315.30				
		50 mg	604.85				
	Dihydrochloride Purity: 98% Specific inhibitor of PKA and PKG. Potent vasodilator. Ref.: 1. Asano, T., et al., Br. J. Pharmacol., 98 , 1091 (1989). 2. Sasaki, Y. and Sasaki, Y., Biochem. Biophys. Res. Commun., 171 , 1182 (1990). 3. Asano, T., et al., J. Pharmacol. Exp. Ther., 241 , 1033 (1987). C ₁₄ H ₁₇ N ₃ O ₂ S • 2HCl MW 364.3						
158940 0°C	1-(5-ISOQUINOLINE-SULFONYL)-2-METHYLPIPERAZINE [108930-17-2] (H-7)	5 mg	48.00	-K-			
		25 mg	188.00				
		100 mg	595.00				
	Dihydrochloride Purity: 99% Inhibitor of PKA, PKG, MLCK, and protein kinase C. Ref.: Hidaka, H., et al., Biochemistry, 23 , 5036 (1984). C ₁₄ H ₁₇ N ₃ O ₂ S • 2HCl MW 364.3						
159612 0-5°C	1-(5-ISOQUINOLINESULFONYL)-3-METHYLPIPERAZINE [140663-38-3] (Iso-H7)	5 mg	48.00	158942 0°C	K-252a [97161-97-2] Purity: 99% Inhibitor of PKA, PKG, MLCK, CaMK, and phosphorylase kinase. Ref.: 1. Kase, H., et al., Biochem. Biophys. Res. Commun., 165 , 1207 (1989). 2. Yamada, K., et al., <i>ibid.</i> , 144 , 35 (1987). 3. Hashimoto, Y., et al., <i>ibid.</i> , 181 , 423 (1991). 4. Elliot, L.H., et al., <i>ibid.</i> , 171 , 148 (1990). MW 467.5	50 mg	14.05
		25 mg	188.00		500 mg	104.95	
					1 g	201.80	
	Dihydrochloride Purity: 99% Isomer of H7 [see 1-(5-isoquinolinesulfonyl)-2-methylpiperazine] which exhibits inhibition of PKC. C ₁₄ H ₁₇ N ₃ O ₂ S • 2HCl MW 364.3						
159613 0°C	1-(5-ISOQUINOLINESULFONYL)-PIPERAZINE [84468-24-6] (HA-100)	5 mg	32.00	158943 0°C	K-252b [99570-78-2] Purity: 99% Inhibitor of PKA, PKG, MLCK, and PKC. Ref.: Kase, H., et al., Biochem. Biophys. Res. Commun., 142 , 436 (1987). MW 453.5	100 µg	206.35
		25 mg	125.00		250 µg	412.70	
	Dihydrochloride Purity: 99% Inhibits myosin light-chain kinase. C ₁₃ H ₁₅ N ₃ O ₂ S • 2HCl MW 350.2						
159950 -20°C	ISOTETRANDINE Purity: 98% Bisocoumarin alkaloid which inhibits the activation of phospholipase A ₂ by G protein. It does not inhibit the G protein activation of phospholipase C or D. Ref.: 1. Akiba, S., et al., Biochem. Pharmacol., 44 , 45 (1992). 2. Hashizume, T., et al., Biochem. Pharmacol., 41 , 419 (1991). MW 622.8	1 mg	45.30	195264 RT	KAINIC ACID [487-79-6] (2-Carboxyl-3-carboxymethyl-4-isopropenyl pyrrolidine) Crystalline A minor amino acid found in Digenea simplex seaweed. C ₁₀ H ₁₃ NO ₄ MW 213.2	100 mg	42.00
		5 mg	200.65		500 mg	178.50	
					1 g	309.75	
151373 -20-0°C	ISOTOCIN [550-21-0] (Cys-Tyr-Ile-Ser-Asp-Cys-Pro-Ile-Gly-NH ₂) Contains Cys-Cys disulfide bond. Ref.: Guttman, S., et al., Experientia, 18 , 445 (1962). C ₄₁ H ₆₃ N ₁₁ O ₁₂ S ₂ MW 966.1	0.5 mg	59.45	151389 -20-0°C	KEMPTIDE [65189-71-1] (Phosphate Acceptor Peptide; Leu-Arg-Arg-Ala-Ser-Leu-Gly) Ref.: Kemp, B.E., et al., Fed. Proc., 35 , 1384 (1976).	1 mg	41.45
		1 mg	91.70		5 mg	127.50	
					10 mg	229.70	
	Hydrochloride NMDA antagonist C ₁₃ H ₁₆ ClNO • HCl MW 274.2			25 mg	459.40		
153687 RT	ISOXANTHOPTERIN [529-69-1] C ₈ H ₉ N ₃ O ₂ MW 179.1	10 mg	15.00	159614 0°C	[Trp]-KEMPTIDE [80224-16-4] Leu-Arg-Arg-Trp-Ser-Leu-Gly Substrate for cAMP-dependent protein kinase. Ref.: Wright, D.E., et al., Proc. Nat. Acad. Scr. USA, 78 , 6048 (1981)	1 mg	80.25
		25 mg	30.00				
	Hydrochloride NMDA antagonist C ₁₃ H ₁₆ ClNO • HCl MW 274.2						
196009 0-5°C	IVERMECTIN [70288-86-7] (22,23-Dihydroavermectin B ₁) Purity: ≥95% Antiparasitic and macrolide antibiotic. Semisynthetic derivative of avermectin B _{1a} and B _{1b} . C ₂₈ H ₄₁ O ₆ MW 875.1	250 mg	10.50	153681 RT	KETAMINE [6740-88-1] (2-(2-Chlorophenyl)methyl-amino)cyclohexanone) Hydrochloride NMDA antagonist C ₁₃ H ₁₆ ClNO • HCl MW 274.2	100 mg	12.00
		1 g	30.00		1 g	24.00	
	Hydrochloride NMDA antagonist C ₁₃ H ₁₆ ClNO • HCl MW 274.2						
153687 RT	ISOXANTHOPTERIN [529-69-1] C ₈ H ₉ N ₃ O ₂ MW 179.1	10 mg	15.00	153680 0-5°C	KETANSERIN TARTRATE [83846-83-7] (3-[2-(4-Fluorobenzoyl)-1-piperidinyl]-ethyl]-2,4-(1H,3H)-quinazolinedione tartrate) Blocks 5-HT ₂ serotonin receptors. C ₂₂ H ₂₂ FN ₃ O ₃ • C ₄ H ₆ O ₆ MW 545.5	10 mg	28.00
		25 mg	30.00		25 mg	55.00	
					50 mg	99.00	
	Hydrochloride NMDA antagonist C ₁₃ H ₁₆ ClNO • HCl MW 274.2						
196009 0-5°C	IVERMECTIN [70288-86-7] (22,23-Dihydroavermectin B ₁) Purity: ≥95% Antiparasitic and macrolide antibiotic. Semisynthetic derivative of avermectin B _{1a} and B _{1b} . C ₂₈ H ₄₁ O ₆ MW 875.1	250 mg	10.50	159158 RT	KETOCONAZOLE [65277-42-1] Purity: 99% Cytochrome P ⁴⁵⁰ inhibitor and demonstrates anti-psoriatic activity Ref.: 1. Lambert, A., et al., Biochem. Pharmacol., 35 , 3999 (1986). 2. Van Wauwe, J.P. and Janssen, P.A.J., J. Med. Chem., 32 , 2231 (1989). 3. Tucker, W.F.G., et al., Br. Med. J., 293 , 882 (1986). C ₂₂ H ₂₈ N ₄ O ₄ Cl ₂ MW 531.4	50 mg	28.65
		1 g	30.00		100 mg	48.70	
					500 mg	212.10	
	Hydrochloride NMDA antagonist C ₁₃ H ₁₆ ClNO • HCl MW 274.2			1 g	350.00		

Neuroscience

One call. One source.
A world of biomedical products.

1191

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872



Neuroscience Products

CATALOG
NUMBER

U.S. \$

CATALOG
NUMBER

U.S. \$

155155
RT
KETOTIFEN
[34580-14-8]
Fumarate Salt
An H₁ Histamine receptor antagonist that inhibits the anaphylactic release of histamine.
C₁₇H₁₉NOS • C₄H₄O₄ MW 425.5

250 mg 28.00
500 mg 42.00
1 g 68.00

159952
-20°C
KIFUNENSINE
[109944-15-2]
Purity: 98%
Immunomodulator which inhibits α-mannosidase and asparagine-linked oligosaccharide processing.
Ref.: 1. Iwami, M., et al., *J. Antibiot.*, **40**, 612 (1987).
2. Chandrosekaran, S., et al., *J. Biol. Chem.*, **269**, 3356 (1994).
MW 232.2

1 mg 342.80

154464
0-5°C
KINETENSIN
[103131-69-7]
H₂N-Ile-Ala-Arg-Arg-His-Pro-Tyr-Phe-Leu-OH

Neurotensin-related peptide which increases vascular permeability and releases histamine from rat mast cells.
Ref.: Carraway, R.E., et al., (1987), *JBC*, **262**, 5968
MW 1172.5

1 mg 31.85

158944
0°C
KN-62
[127191-97-3]
(1-[N,O-bis-[5-isouquinolinesulfonyl]-N-methyl-L-tyrosyl]-4-phenyl-piperazine)
Purity: 98%
Potently and specifically inhibits Ca²⁺/calmodulin kinase II.
Ref.: Tokumitsu, H., et al., *J. Biol. Chem.*, **265**, 4315 (1990).
C₃₈H₃₃N₅O₆S₂ MW 721.8

1 mg 78.10
5 mg 350.00

196012
0-5°C
KN-93
[139298-40-1]
(N-[2-(N-(4-Chlorocinnamyl)-N-methylaminoethyl)phenyl]-N-[2-hydroxyethyl]-4-methoxybenzenesulfonamide)
Purity: ≥95%
Selective Ca²⁺/calmodulin-dependent protein kinase II inhibitor. Induces G₁ cell cycle arrest and apoptosis in NIH 3T3 cells.
C₂₈H₂₉ClN₂O₆S MW 501.0

250 µg 52.50
1 mg 147.00

153679
RT
KOJIC AMINE
[68642-64-8]
(2-(Aminomethyl)-5-hydroxy-4H-pyran-4-one)
Hydrobromide
GABA receptor agonist.
C₈H₇NO₃ • HBR MW 222.0

25 mg 52.00
50 mg 99.05
100 mg 187.95

158945
0°C
KT 5720
[108068-98-0]
Purity: 98%
Hexylester derivative of K-252a which specifically inhibits PKA.
Ref.: 1. Kase, H., et al., *Biochem. Biophys. Res. Commun.*, **142**, 436 (1987).
2. Yamada, K. and Ishii, A., *Jpn. J. Pharmacol.*, **49**, 263P (1989).
MW 537.6

100 µg 172.00
1 mg 991.85

158946
0°C
KT 5823
[126643-37-6]
Purity: 98%
Derivative of K-252a and specifically inhibits PKG.
Ref.: Kase, H., et al., *Biochem. Biophys. Res. Commun.*, **142**, 436 (1987).
MW 495.5

100 µg 172.00

158947
0°C
KT 5926
[126643-38-7]
Purity: 98%
Propylether derivative of K-252a which inhibits multiple kinases being most specific for CaM Kinase II.
Ref.: 1. Kase, H., et al., *Biochem. Biophys. Res. Commun.*, **142**, 436 (1987).
2. Hashimoto, Y., et al., *ibid.*, **181**, 423 (1991).
3. Nakanishi, S., et al., *Mol. Pharmacol.*, **37**, 482 (1990).
MW 525.5

100 µg 172.00
1 mg 1310.00

102124
RT
KYNURENIC ACID
[492-27-3]
(4-Hydroxyquinoline-2-carboxylic acid)
Crystalline
C₁₀H₇NO₃ MW 189.2

250 mg 6.25
1 g 16.50
5 g 75.90

195268
-20-0°C
KYOTORPHIN
[70904-56-2]
(Tyr-Arg)
When administered intracasternally to mice, this dipeptide has about 4.2-fold more analgesic potency than met-enkephalin; it promotes the release of met-enkephalin.
Ref.: 1. Fournie-Zaluski, M.C., et al., *Biochem. Biophys. Res. Commun.*, **91**, 130 (1979).
2. Takagi, H., et al., *Nature*, **282**, 410 (1979).

10 mg 7.65
250 mg 100.00

-L-**L-655,238**

See: α-Pentyl-4-(2-quinolinylmethoxy)benzenemethanol

195863
-20°C
LACTACYSTIN
Synthetic
Cell permeable 20S proteasome inhibitor. Induces neurite outgrowth in mouse neuroblastoma cells and inhibits progression of synchronized Neuro 2A cells and MG-63 human osteosarcoma cells beyond the G₁ phase. Appears to induce apoptosis in human monoblast cells.
C₁₃H₂₂N₂O₇S MW 376.4

200 µg 291.20

196031
-20°C
β-LAPACHONE
[4707-32-8]
Purity: ≥98%
Novel DNA topoisomerase I inhibitor.
MW 242.3

1 mg 26.25
5 mg 99.75
25 mg 367.50

193961
-20°C
α-LATROTOXIN
From *Latrodectus tredecimguttatus*
The principal protein component of black Widow spider venom which causes massive neurotransmitter release from a variety of central and peripheral synaptic junctions. It is useful in synaptic vesicle exocytosis studies of numerous neurotransmitters.
Ref.: Frontali, J. Cell. Biol., **68**, 462 (1976).
MW 130 kDa

40 µg 716.60

159800
0-5°C
LATRUNCULIN B
A unique marine toxin found in Red Sea sponge. Acts as an inhibitor of actin polymerization. More potent toxin than the Cytochalasins.
MW 395.5

100 µg 56.00
1 mg 175.00

158815
0°C
LAVENDUSTIN A
[125697-92-9]
Lavendustin A is a potent and selective inhibitor of the EGF receptor tyrosine kinase (IC₅₀ = 11 nM). It binds to a site on the kinase which is distinct from the ATP and peptide substrate binding sites.
Ref.: 1. Onada, T., et al., (1989), *J. Nat. Prod.*, **52**, 1252.
2. Hsu, C.-Y.J., et al., (1991), *J. Biol. Chem.*, **266**, 21105.
C₂₇H₃₃NO₆ MW 381.4

1 mg 90.20
5 mg 360.40

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999 1192
Outside the U.S.: (714) 545-0100, fax (714) 557-4872

www.icnbiomed.com
Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$
159615	LAVENDUSTIN B [125697-91-8] 0°C (N,N)-bis[2'-(Hydroxybenzyl)-3-aminosalicylic acid] Purity: 95-97% Tyrosine kinase inhibitor. May also be used as a negative control for Lavendustin A. C ₂₂ H ₁₉ NO ₅ MW 365.4	1 mg 94.65	159177	LIPOXIN B₁ [98049-69-5] -70°C [5(S), 14(R), 15(S)-Trihydroxyicoso-6E,8Z,10E,12E-tetraenoic acid] Purity: >99% 25 µg/ml ethanol C ₂₂ H ₃₂ O ₅ MW 352.5	25 µg 169.00
159835	LETHAL TOXIN INHIBITING FACTOR (LTIF) 0-5°C From Opossum Serum (<i>Didelphis virginiana</i>) Purified. Single band by SDS-PAGE. Shown to inhibit the lethality of various venoms and toxins. Also acts as histamine blocker when tested on mast cells. As little as 0.5 µg LTIF, when mixed with normally lethal doses of various venoms or toxins, inhibits the lethality of the venom injected IP in mice. MW 66 kDa	10 µg 17.20 50 µg 78.00	159178	5-LIPOXYGENASE From Potato -70°C Purity: 98% Activity: w/inoleic acid- 24 units/mg protein, w/arachidonic acid- 8 units/mg protein. Unit Definition: One unit consumes one µmole of O ₂ per minute at 30°C. Supplied in 2M ammonium sulfate and 0.15M potassium phosphate at pH 6.3. Ref.: Reddanna, P., et al., Methods Enzymol., 187 , 268 (1990).	1 mg 1261.25
151553	LEUPEPTIN [103476-89-7] -20-0°C (Acetyl-Leu-Leu-Arg-al) Hemisulfate Inhibitor for trypsin, plasmin, papain, and cathepsin B. Ref: Kondo, S., et al., Chem. Pharm. Bull., 17 , 1869 (1969). C ₂₂ H ₃₃ N ₇ O ₄ • 1/2H ₂ SO ₄ MW 475.6	0.5 mg 9.00 1 mg 11.50 5 mg 45.00 25 mg 90.00 100 mg 265.05	159179	12-LIPOXYGENASE From Porcine Leukocytes -70°C Activity: ~50 units/mg protein. Unit Definition: One unit will convert one nanomole of arachidonic acid to 12-HPETE per minute at 20°C. Supplied in 20mM Tris-HCl, 0.5mM EDTA, PMSF, and DTT at pH 7.2. Ref.: Yokoyama, C., et al., J. Biol. Chem., 261 , 16714 (1986).	100 U 338.25
195623	LEUPEPTIN [147385-61-3] 0°C (Acetyl-Leu-Leu-Arg-al) Trifluoroacetate Salt Purity: >90% Inhibitor for trypsin, plasmin, papain, and cathepsin B. C ₂₂ H ₃₃ N ₇ O ₄ • C ₂ HF ₃ O ₂ MW 540.6	1 mg 13.65 5 mg 47.25 25 mg 211.50	159180	15-LIPOXYGENASE From Rabbit Reticulocytes -70°C Activity: ~8 KU/mg protein. Unit Definition: One unit will convert one nanomole of inoleic acid per minute at 20°C. Supplied in 10mM potassium phosphate buffer at pH 6.3. Ref.: 1. Bryant, R.W., et al., <i>ibid.</i> , 257 , 6050 (1982). 2. Schewe, T., et al., Methods Enzymol., 71 , 430 (1981). 3. Kuhn, H., et al., J. Biol. Chem., 265 , 18351 (1990).	5 KU 515.95
195624	LEUPEPTIN [24125-16-4] 0-5°C (Acetyl-Leu-Leu-Arg-al) Hydrochloride Purity: >60% Protease inhibitor. C ₂₂ H ₃₃ N ₇ O ₄ • HCl MW 463.0	1 mg 10.00 5 mg 25.60 25 mg 83.95 100 mg 245.20	193677	R-(+)-LISURIDE [19875-60-6] RT Hydrogen Maleate D ₂ Dopamine agonist and a serotonin mixed receptor agonist/antagonist. C ₂₂ H ₂₈ N ₄ O • C ₄ H ₄ O ₄ MW 454.5	5 mg 17.65 25 mg 70.55
155228	LEVAMISOLE [16595-80-5] RT (L)-2,3,5,6-Tetrahydro-6-phenylimidazo[2,1-b]thiazole) Hydrochloride Crystalline Suitable as an inhibitor of various mammalian alkaline phosphatases. Intestinal alkaline phosphatases are only slightly inhibited. Ref.: Van Belle, H., Biochim. Biophys. Acta., 289 , 158 (1972). C ₁₁ H ₁₂ N ₂ S • HCl MW 240.8	5 g 16.45 10 g 27.35	193678	S-(-)-LISURIDE [140387-89-9] RT Exhibits action as a D ₂ dopamine receptor agonist and D ₁ dopamine receptor antagonist. Also an α- and β-adrenoceptor antagonist. C ₂₂ H ₂₈ N ₄ O MW 338.4	5 mg 17.65 25 mg 70.55
151554	LEVETIMIDE 0°C Hydrochloride Reported useful as a receptor in neurobiochemical research C ₂₃ H ₂₉ N ₂ O ₂ • HCl MW 398.9	1 mg 13.50 5 mg 25.45 10 mg 47.05 25 mg 87.50	158949	LOMOFUNGIN [26786-84-5] 0-5°C (U- 24792) Purity: 98% Broad spectrum antibiotic. Also, inhibits RNA synthesis. Ref.: Kopecka, M. and Farkas, V., J. Gen. Microbiol., 110 , 453 (1979).	5 mg 53.80 10 mg 98.40 25 mg 225.75 50 mg 410.95
158948	LINCOMYCIN [859-18-7] 0-5°C (U-10149A) Purity: 98% Hydrochloride Active against gram-positive bacteria. Binds to the 50S subunit of bacterial ribosomes and suppresses protein synthesis. C ₁₈ H ₃₃ N ₂ O ₆ S • HCl MW 443	1 g 22.35 5 g 106.40	153676	LOPERAMIDE [34552-83-5] RT (4-(4-chlorophenyl)-4-hydroxy-N,N-dimethyl-α,α-diphenyl-1-piperidine butanamide) Hydrochloride Calcium channel antagonist C ₂₃ H ₃₀ ClN ₂ O ₂ • HCl MW 513.5	1 g 22.95 5 g 70.00
			193679	LORGLUMIDE [97964-56-2] RT Sodium Salt A potent, selective non-peptide cholecystokinin receptor antagonist. C ₂₂ H ₁₉ N ₃ O ₂ Cl ₂ Na MW 481.4	25 mg 41.90 100 mg 147.75

Neuroscience

One call. One source.
A world of biomedical products.

1193

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872



Neuroscience Products

CATALOG
NUMBER

U.S. \$

CATALOG
NUMBER

U.S. \$

195299 **LUBROL** 100 g 39.80
RT 250 g 79.55
 This compound is composed of ethylene oxide condensates of fatty alcohols. Used for dissolving membrane-bound adenylylase.
Ref.: Levey, G.S., *Biochem. Biophys. Comm.*, **38**, 86 (1970).

195779 **LUCIFERASE** 1 mg 110.25
-20°C **Firefly, Recombinant Crystalline**
Purity: >95%
Activity: 30 units/mg
Unit Definition: one unit will release 1 nM of pyrophosphate from ATP per minute at 25°C in the presence of 540 μM ATP, 0.1 mM d-luciferin and 5 mM magnesium sulfate.

155267 **LUCIFER YELLOW CH** 1 mg 10.90
0-5°C [67769-47-5] 10 mg 49.30
Dilithium Salt 25 mg 100.30
 A highly fluorescent dye. Useful in marking nerve cells.
Ref.: Stewart, W., *Cell*, **14**, 741 (1978).
 $C_{17}H_{13}N_2O_5S_2Li_2$ MW 457.2

155266 **LUCIFER YELLOW CH** 1 mg 50.00
0-5°C [71206-95-6] 10 mg 135.00
Dipotassium Salt 25 mg 242.00
 A highly fluorescent dye. Useful in marking nerve cells.
Ref.: Stewart, W., *Cell*, **14**, 741 (1978).
 $C_{17}H_9N_2O_5S_2K_2$ MW 521.6

159017 **LUFFARIELLOLIDE** 1 mg 228.15
-20°C From *Luffariella* sp.
Purity: 98%
 Related structurally to manoalide. Phospholipase A₂ inhibitor which is partially reversible and less potent than manoalide.
Ref.: Albizzati, K.F., et al., *Experientia*, **43**, 949 (1987).
 MW 386.3

193680 **LUZINDOLE** 5 mg 46.50
-20°C (N-Acetyl-2-benzyltryptamine) 10 mg 89.70
 A melatonin antagonist with high selectivity for melatonin sites in mammalian CNS. Soluble in ethanol.
 $C_{19}H_{22}N_2O$ MW 292.4

LY 83583

See: 6-Anilino-5,8-quinolinedione

159181 **LY 171883** 10 mg 75.00
RT 25 mg 153.00
 Orally active, specific antagonist of leukotriene D₄.
Ref.: Fleisch, J.H., et al., *J. Pharmacol. Exp. Ther.*, **233**, 148 (1985).
 MW 318.4

159182 **L-α-LYSOPHOSPHATIDYL-CHOLINE-γ-O-HEXADECYL** 5 mg 73.35
-20°C [52691-62-0] 10 mg 120.40
 (Lyso-PAF c16; 1-*o*-Hexadecyl-sn-glycero-3-phosphorylcholine)
Purity: 99%
 Inactive PAF metabolite.
Ref.: Wykle, R.L., et al., *Biochem. Biophys. Res. Commun.*, **100**, 1651 (1981).
 $C_{24}H_{42}NO_8P$ MW 481.7

-M-

158950 **MAITOTOXIN** 5 μg 154.75
-20-0°C [59392-53-9] 10 μg 280.90
Purity: >95% 25 μg 676.50
 Activates L-type Ca²⁺ channels and stimulates phosphoinositide turnover isolated from marine dinoflagellates.
Ref.: 1. Choi, O.H., et al., *Mol. Pharmacol.*, **37**, 222 (1990). 2. Yokoyama, A., et al., *Biochem.*, **104**, 184 (1988). 3. Gusovsky, F. and Daly, J.W., *Biochem. Pharmacol.*, **39**, 1633 (1990).
 $C_{164}H_{256}O_{68}S_2Na_2$ MW 3422

159801 **MALANTIDE** 500 μg 89.00
0-5°C (cAMP-Dependent Protein Kinase Substrate) 1 mg 138.25
 Arg-Thr-Lys-Arg-Ser-Gly-Ser-Val-Tyr-Glu-Pro-Leu-Lys-Ile
 Very potent Protein Kinase substrate.
 MW 1634.1

196048 **MANGANESE (III) tetrakis-(4-BENZOIC ACID)PORPHYRIN** 1 mg 10.50
0-5°C (MnTBAP) 5 mg 23.10
Purity: >95% 25 mg 78.75
 Cell permeable SOD mimetic and a selective peroxynitrite scavenger. It is NOT a nitric oxide scavenger.
Ref.: Faulkner, K.M., et al., *Jour. of Biol. Act.*, **269(38)**, 23471-23476 (1994).
 $C_{48}H_{32}MnN_4O_8$ MW 845.7

196049 **MANGANESE (III) tetrakis-(1-METHYL-4-PYRIDYL)PORPHYRIN** 1 mg 10.50
0-5°C (MnTMPyP) 5 mg 23.10
Purity: >95% 25 mg 109.00
 Cell permeable SOD mimetic. Catalyzes the dismutation of O₂ in the presence of excess EDTA.
Ref.: Faulkner, K.M., et al., *Jour. of Biol. Act.*, **269(38)**, 23471-23476 (1994).
 $C_{44}H_{42}MnN_8$ MW 737.8

158951 **MANOALIDE** 1 mg 228.15
-20-0°C From *Luffariella variabilis*
Purity: >95%
 Phospholipase A₂ and C inhibitor. Also blocks the release of arachidonate and inhibits calcium channels.
Ref.: 1. Jacobson, P.B., et al., *Biochem. Pharmacol.*, **39**, 1557 (1990). 2. Wheeler, L.A., et al., *J. Biol. Chem.*, **262**, 6531 (1987). 3. Glaser, K.B. and Jacobs, R.S., *ibid.*, **36**, 2079 (1987). 4. Lombardo, D. and Dennis, E.A., *J. Biol. Chem.*, **260**, 7234 (1985). 5. Mayer, A.M.S., et al., *J. Pharm. Exp. Ther.*, **244**, 871 (1988). 6. Bennert, C., et al., *Pharmacologist*, **28**, 538 (1986)
 $C_{28}H_{38}O_5$ MW 416.5

692001 **MAP-II KINASE ANTIBODY** 100 μg 750.00
-20°C **Anti-Human**
Clone: MK12
Isotype: mouse IgG_{2b}
Conc/Titer: 1:5000
Applications: immunoblotting; immunohistology; immunofluorescence
 This 42 kDa serine/threonine kinase is tyrosine phosphorylated upon stimulation of cells with EGF, PDGF or insulin. Enzyme activity is dramatically increased upon tyrosine phosphorylation.
 A synthetic peptide corresponding to positions 325-345 of the intact MAP kinase was used as the immunogen to produce this antibody. This antibody demonstrates other species reactivity with dog, rat, mouse, chicken and frog.
Ref.: 1. Ray, L.B. and Sturgill, T.W., *Proc. Nat. Acad. Sci. USA*, **84**, 1502-1506(1987). 2. Rossomando, A.J., et al., *Proc. Nat. Acad. Sci. USA*, **86**, 6940-6943 (1989).

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999 1194
 Outside the U.S.: (714) 545-0100, fax (714) 557-4872

www.icnbiomed.com
 Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$
196017 -20°C	MARGATOXIN (MgTx) From <i>Centruroides margaritatus</i> Purity: ≥98% Voltage dependent potassium ion channel blocker specific for Kv1.3 channel. MW 4179	5 µg 204.75	153675 RT	Mecamylamine Hydrochloride Blocks action of nicotinic acid. C ₁₁ H ₂₁ N • HCl MW 203.8	1 mg 17.35 5 mg 54.95 10 mg 101.25
159023 -20°C	MAS 7 (Ile-Asn-Leu-Lys-Ala-Leu-Ala-Leu-Ala-Lys-Ala-Leu-NH ₂) Purity: 98% An analog of mastoparan with greater potency. Ref.: Higashijima, T., et al., J. Biol. Chem., 265 , 14176 (1990) MW 1635.9	1 mg 143.30	159183 RT	Meclofenamic Acid [6385-02-0] (Meclofenamate sodium; 2-[(2,6-Dichloro-3-methylphenyl)-amino]benzoic acid) Sodium Salt Purity: 99% Inhibits 5-lipoxygenase and cyclooxygenase. Ref.: Columbo, M., et al., Biochem. Pharmacol., 39 , 285 (1990). C ₁₇ H ₁₃ Cl ₂ NO ₂ Na MW 318.1	1 g 14.50 5 g 48.00 10 g 89.00
154446 0-5°C	MAST CELL DEGRANULATING PEPTIDE [83856-13-7] (MCD) H ₂ N-Ile-Lys-Cys-Asn-Cys-Lys-Arg-His-Val-Ile-Lys-Pro-His-Ile-Cys-Arg-Lys-Ile-Cys-Gly-Lys-Asn-NH ₂ Ref.: Taylor, J. W., et al., (1984), J. Biol. Chem., 259 , 13957; Bidard, J.N., et al., (1987), Brain Res., 418 , 235 MW 2587.6	100 µg 92.00	102254 0°C	MELATONIN [73-31-4] (N-Acetyl-5-Methoxytryptamine) Crystalline A hormone of the pineal gland. C ₁₃ H ₁₈ N ₂ O ₂ MW 232.3	100 mg 8.00 1 g 32.00 5 g 138.00 10 g 248.00
159024 -20°C	MASTOPARAN X (Ile-Asn-Trp-Lys-Gly-Ile-Ala-Ala-Met-Ala-Lys-Lys-Leu-NH ₂) Purity: 98% Demonstrates similar action as mastoparan. Ref.: Higashijima, T., et al., J. Biol. Chem., 265 , 14176 (1990). MW 1555.9	1 mg 143.30	193596 0-5°C	MELATONIN ELISA KIT The Melatonin ELISA is a competitive enzyme immunoassay for the quantitative determination of melatonin in serum without extraction. For melatonin measurement in serum, the samples are treated enzymatically to free the antigen from its binding proteins. The assay procedure follows the basic principle of competitive ELISA whereby there is competition between a biotinylated and non-biotinylated antigen for a fixed number of antibody binding sites. The kit is a 12 x 8 well format. <i>FOR RESEARCH USE ONLY!</i>	1 each 595.00
196019 -20°C	MATRIX METALLOPROTEINASE-1 SUBSTRATE (MMP-1 Substrate; DNP-Pro-Leu-Ala-Leu-Trp-Ala-Arg; Fibroblast Collagenase Substrate) Purity: ≥95% Fluorogenic substrate for human fibroblast collagenase. Soluble in 0.1% aqueous TFA. K _m = 130 µM. Excitation max.: 280 nm; Emission max.: 360 nm. C ₄₉ H ₆₃ N ₁₃ O ₁₂ MW 992.1	1 mg 52.50	193597 0-5°C	MELATONIN SULFATE ELISA KIT (6-Sulfatoxymelatonin ELISA) The 6-Sulfatoxymelatonin ELISA kit provides materials for the quantitative measurement of melatonin sulfate in urine. The assay procedure follows the basic principle of competitive ELISA: the competition between melatonin sulfate conjugated to horseradish peroxidase and melatonin sulfate in the sample for a fixed number of antibody binding sites. The kit is a 12 x 8 well format. <i>FOR RESEARCH USE ONLY!</i>	1 each 575.00
196020 -20°C	MATRIX METALLOPROTEINASES-2,7 SUBSTRATE (MMP-2/MMP-7 Substrate; MCA) MCA-Pro-Leu-Gly-Leu-DPA-Ala-Arg-NH ₂) Purity: ≥98% Sensitive fluorogenic substrate for MMPs. C ₄₉ H ₆₃ N ₁₃ O ₁₅ • C ₂ H ₄ O ₂ MW 1153.2	1 mg 294.00	158952 RT	MELENGESTROL ACETATE [2919-66-6] (U-21240) Purity: 99% An anti-neoplastic agent. MW 396.5	250 mg 65.25 500 mg 123.80 1 g 237.35
196021 -20°C	MATRIX METALLOPROTEINASES-2,9 SUBSTRATE (MMP-2/MMP-9 Substrate; DNP-Pro-Leu-Gly-Met-Trp-Ser-Arg; Fibroblast and Neutrophil Gelatinase Substrate) Purity: ≥95% Fluorogenic substrate. C ₄₄ H ₅₁ N ₁₃ O ₁₅ MW 1012.1	1 mg 52.50	102257 0°C	MELITTIN [37231-28-0] Lyophilized. Purity: ~85% Hemolytic principle of bee venom; Activity: One part hemolyzes 5,000 parts blood. MW 2846.5	1 mg 26.20 5 mg 71.85 10 mg 128.85
196018 -20°C	MATRIX METALLOPROTEINASE INHIBITOR I (MMP Inhibitor I; 4-Abz-Gly-Pro-D-Leu-D-Ala-NHOH) Purity: ≥98% Human matrix metalloproteinase inhibitor. C ₂₃ H ₃₃ N ₆ O ₆ MW 490.6	1 mg 30.00 5 mg 120.00	193681 RT	MEMANTINE Hydrochloride [19982-08-2] (3,5-Dimethyladamantan-1-amine) Purity: ≥98% An NMDA receptor antagonist and dopamine release stimulator. C ₁₇ H ₂₁ N • HCl MW 215.8	10 mg 25.20 50 mg 89.25
153674 0-5°C	MECA [35788-27-3] An α ₂ -adenine agonist. C ₁₁ H ₁₄ N ₆ O ₄ MW 294.3	5 mg 40.55 10 mg 72.25 25 mg 144.60			

Neuroscience

One call. One source.
A world of biomedical products.

1195

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872



Neuroscience Products

CATALOG
NUMBER

U.S. \$

CATALOG
NUMBER

U.S. \$

193682 RT	MESULERGINE [64795-35-3]	10 mg	68.50
	Hydrochloride A dopaminergic receptor agonist and 5-HT _{1C} serotonin receptor antagonist. C ₁₃ H ₂₃ N ₃ O ₂ S • HCl MW 398.9	50 mg	275.00

195310 RT	DL-METANEPHRINE	25 mg	14.15
	[5001-33-2]	100 mg	39.90
	Hydrochloride (DL-m-O-Methylepinephrine)	250 mg	78.75
	Crystalline	500 mg	115.50
		1 g	183.75

193593 0-5°C	METANEPHRINE ELISA KIT	1 each	595.00
	This metanephrine ELISA kit provides materials for the quantitative measurement of chemically derivatized metanephrine in urine. The assay procedure follows the basic principle of competitive ELISA whereby there is competition between a biotinylated and non-biotinylated antigen for a fixed number of antibody binding sites. The kit is a 12 x 8 well format.		

FOR RESEARCH USE ONLY!

193683 RT	METERGOLINE PHENYLMETHYL ESTER [17692-51-2]	5 mg	16.55
	A serotonin antagonist at the 5-HT ₁ /5-HT ₂ receptor.	25 mg	49.60
	C ₂₅ H ₂₉ N ₃ O ₂ MW 403.5	50 mg	90.40

100005 0°C	METHACHOLINE CHLORIDE [62-51-1]	5 g	11.45
	(Acetyl-β-methylcholine chloride)	10 g	20.05
	C ₉ H ₁₆ ClNO ₂ MW 195.7		

190231 0°C	METHACHOLINE CHLORIDE [62-51-1]	5 g	17.75
	(Acetyl-β-methylcholine chloride)	10 g	28.10
	Crystalline	25 g	55.90
	Cholinergic agonist C ₉ H ₁₆ ClNO ₂ MW 195.7	100 g	183.45

158953 RT	METHOTHEPIN MALEATE [19728-88-2]	100 mg	45.90
	Purity: 99%	250 mg	109.20
	Inhibitor of 5-HT release from brain structures whether electrical or potassium induced. Potent 5-HT autoreceptor antagonist and demonstrates activity as a 5-HT _{1C} antagonist.	500 mg	208.70

Ref.: 1. Pazos, A., et al., Eur. J. Pharmacol., **106**, 539 (1985). 2. Ennis, C. and Cox, B., Neuropharmacology, **21**, 41 (1982). 3. Raiteri, M., et al., J. Pharmacol. Exp. Ther., **237**, 644 (1986). 4. Rebec, G.V., et al., Brain Res., **251**, 374 (1982).

153664 RT	METHOCTRAMINE [104807-40-1]	1 mg	28.85
	Hydrochloride	5 mg	72.25
	C ₂₀ H ₂₅ N ₃ O ₂ • 4HCl MW 728.8	10 mg	115.70

158955 RT	8-METHOXYMETHYL-1-METHYL-3-(2-METHYLPROPYL)XANTHINE (8-Methoxymethyl-IBMX)	5 mg	46.00
	Purity: 98%	25 mg	156.00

Specifically inhibits Ca²⁺-calmodulin-dependent phosphodiesterase.
Ref.: 1. Wells, J.N. and Miller, J.R., Methods Enzymol., **159**, 489 (1988). 2. Ahn, H.S., et al., Biochem. Pharmacol., **38**, 3331 (1989).
MW 266.3

159968 RT	6-METHOXY-2-NAPHTHYLACETIC ACID [23981-47-7]	5 mg	80.25
	Purity: 99%	10 mg	145.65
	Selectively inhibits PGH synthase-2 over PGH synthase-1. Ref.: Meade, E.A., et al., J. Biol. Chem., 268 , 6610 (1993). MW 216.2	25 mg	315.30

151629 RT	1-(2-(METHOXYPHENYL) PIPERAZINE [5464-78-8] (2-MPP)	1 g	25.00
	Hydrochloride	5 g	100.00
	Selective 5-HT ₁ receptor agonist Crystalline Purity: 98-99% C ₁₁ H ₁₆ N ₂ O • HCl MW 228.7		

158956 0°C	N-[2-(METHYLAMINO)ETHYL]-5-ISOUQUINOLINESULFONAMIDE [84478-11-5] (H-8)	10 mg	68.75
	Dihydrochloride	25 mg	157.65
	Specifically inhibits PKA and PKG over PKC and MLCK. Ref.: 1. Hidaka, H., et al., Biochemistry, 23 , 5036 (1984). 2. Hagiwara, M., et al., Mol. Pharmacol., 31 , 523 (1987). C ₁₇ H ₁₉ N ₃ O ₂ S • 2HCl MW 338.3	50 mg	286.65

159625 RT	N^G-METHYL-D-ARGININE [137694-75-8]	5 mg	38.00
	Acetate Salt	25 mg	150.00
	C ₇ H ₁₄ N ₄ O ₂ • C ₂ H ₄ O ₂ MW 248.3		

155470 RT	N^G-METHYL-L-ARGININE [53308-83-1]	5 mg	13.50
	Acetate Salt	25 mg	49.00
	Endothelium-derived relaxing factor inhibitor Ref.: Sakuma, I., et al., Proc. Nat. Acad. Sci. USA, 85 , 8664 (1988). C ₇ H ₁₄ N ₄ O ₂ • C ₂ H ₄ O ₂ MW 248.3	100 mg	159.00

153672 0-5°C	N-METHYL-D-ASPARTIC ACID [6384-92-5] (NMDA)	25 mg	25.00
		80 mg	55.00
	C ₅ H ₉ NO ₄ MW 147.1	250 mg	105.00

153671 RT	N-METHYL-β-CARBOLINE-3-CARBOXAMIDE [78538-74-6] (FG-7142)	10 mg	18.40
	Benzodiazepine inverse agonist	25 mg	43.35
	C ₁₃ H ₁₁ N ₃ O MW 225		

METHYL-β-CARBOLINE-3-CARBOXYLATE

See: β-Carboline-3-carboxylic acid methyl ester

153669 0-5°C	METHYL-6,7-DIMETHOXY-4-ETHYL-β-CARBOLINE-3-CARBOXYLATE [82499-00-1] (DMCM)	10 mg	42.70
		25 mg	101.25
	C ₁₇ H ₁₈ N ₂ O ₄ MW 314.3		

153658 0-5°C	N-METHYLDOPAMINE [62-32-8]	25 mg	22.40
	Hydrochloride	50 mg	36.15
	Dopamine agonist C ₉ H ₁₃ NO ₂ • HCl MW 203.7	100 mg	72.25

195317 0°C	α,β-METHYLENEADENOSINE-5'-TRIPHOSPHATE [58337-46-5] (AMP-CPP; Adenosine 5'-(α,β-methylene)triphosphate dilithium hydrate)	1 mg	28.00
	Dilithium hydrate	5 mg	112.00

Purity: ~95%
C₁₁H₁₃N₅O₁₂P₃ MW 505.2

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872

1196

www.icnbiomed.com
Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$
159969	R(-)-α-METHYLHISTAMINE Dihydrobromide Purity: 99% Selective and potent agonist of histamine H ₃ . Ref.: 1. Arrang, J.M., et al., <i>Nature</i> , 327 , 117 (1987). 2. Hew, R.W.S., et al., <i>Brit. J. Pharmacol.</i> , 101 , 621 (1990). C ₈ H ₁₁ N ₃ • 2HBr MW 287	5 mg 56.15 10 mg 94.00 25 mg 192.60	152405	METHYL [5-(2-THIENYL-CARBONYL)-1H-BENZ-IMIDAZOLE-2-YL]-CARBAMATE [31430-18-9] (Nocodazole; R 17934) Purity: 99% A synthetic microtubule inhibitor shown to induce the disappearance of microtubules from neoplastic cells in vivo and mammalian cells in culture. C ₁₄ H ₁₁ N ₃ O ₂ S MW 301.3	1 mg 10.90 5 mg 29.40 25 mg 106.95 50 mg 189.00
155578	N-ω-METHYL-5-HYDROXYTRYPTAMINE [1975-81-1] (N- ω -Methylserotonin) Oxalate Salt C ₁₁ H ₁₄ N ₂ • C ₂ H ₂ O ₄ MW 280.3	25 mg 29.40 100 mg 104.60 500 mg 475.00	153663	2-METHYLTHIOADENOSINE TRIPHOSPHATE [43170-89-4] Tetrasodium Salt C ₁₁ H ₁₄ N ₅ Na ₄ O ₁₃ P ₃ S MW 641.2	2 mg 86.75 5 mg 144.60 10 mg 260.30
153621	α-METHYL-5-HYDROXYTRYPTAMINE [304-52-9] (α -Methylserotonin maleate) A 5-HT ₂ serotonin agonist. Maleate Salt C ₁₁ H ₁₄ N ₂ O • C ₄ H ₄ O ₄ MW 306.3	2 mg 50.60 5 mg 115.70 10 mg 224.10	159073	bis(METHYLTHIO)GLIOTOXIN [74149-38-5] (FR-49175) Purity: 99% Blocks platelet and collagen induced aggregation. Ref.: 1. Okamoto, M., et al., <i>Chem. Pharm. Bull.</i> , 34 , 340 (1986). 2. Okamoto, M., et al., <i>ibid.</i> , 34 , 345 (1986). MW 356.5	1 mg 65.00 5 mg 290.00
193685	5-(N-METHYL-N-ISOBUTYL)AMLIORIDE [96861-65-3] (MIA) Very potent Na ⁺ /H ⁺ antiporter inhibitor. C ₁₁ H ₁₉ N ₂ OCl MW 299.8	5 mg 22.05 25 mg 90.40	159588	8-METHYL-N-VANILLYLNONANAMIDE [2566-32-7] (Dihydrocapsaicin) Purity: ~90% C ₁₈ H ₃₂ NO ₃ MW 307.4	25 mg 25.00 100 mg 75.00
155590	S-METHYLISOTHIOUREA [867-44-7] (2-Methyl-2-thiopseudourea) Hemisulfate Salt Crystalline A competitive inhibitor of inducible nitric oxide synthase (iNOS) at L-arginine binding sites. C ₂ H ₅ N ₂ S • 1/2H ₂ SO ₄ MW 139.2	100 g 13.60 500 g 46.70	159843	8-METHYL-N-VANILLYL-6-NONENAMIDE [404-86-4] (Capsaicin) Purity: ~98% Substantially free of dihydrocapsaicin. This is a purified form of the neurotoxic component of cayenne pepper. Stimulates excitatory afferent sensory neurons via divalent cation channel activation. Ref.: Holzer, Neuroscience, 24 , 739 (1988). C ₁₈ H ₃₂ NO ₃ MW 305.4	25 mg 28.65 100 mg 68.75 500 mg 206.35
158383	METHYL OKADAATE [78111-14-5] Purity \geq 98% Serine/Threonine protein phosphatase inhibitor C ₄₉ H ₇₇ O ₁₃ MW 819.04	50 μ g 118.95 100 μ g 212.85	153559	METOCLOPRAMIDE [364-62-5] Hydrochloride 5-HT ₂ serotonin antagonist C ₁₄ H ₁₂ ClN ₂ O ₂ • HCl MW 336.3	1 g 36.15 5 g 108.45
159185	METHYL-2-(PHENYLTHIO)ETHYL-1,4-DIHYDRO-2,4,6-TRIMETHYL-PYRIDINE-3,5-DICARBOXYLATE (PCA-4248) Purity: 98% Inhibitor of [P]-platelet activating factor to platelets and PMNL receptors. Also blocks plate aggregation. Ref.: Ortega, M.P., et al., <i>J. Pharmacol. Exp. Ther.</i> , 255 , 28 (1990). MW 361.4	5 mg 64.00 10 mg 112.00	153617	METOLAZONE [17560-51-9] Diuretic; anti-hypertensive C ₁₈ H ₁₈ N ₃ O ₃ SCl MW 365.8	25 mg 10.90 50 mg 14.45 100 mg 26.10
155653	(5α,7α,8β)-(+)-N-METHYL-N-(7-[1-PYRROLIDINYL]-1-OXASPIRO[4.5]DEC-8-YL)-BENZENEACETAMIDE [96744-75-1] (U-69,593) A kappa agonist Ref.: Gillan, M.G.C. and Kosterlitz, H., <i>Br. J. Pharmacol.</i> , 77 , 461 (1982). C ₂₂ H ₃₃ N ₂ O ₂ MW 356.5	1 mg 18.00 10 mg 148.00	190018	METOPROLOL TARTRATE [56392-17-7] Crystalline powder A β -adrenergic compound. (C ₁₃ H ₂₂ NO ₃) ₂ • C ₄ H ₆ O ₆ MW 684.8	1 g 9.00 5 g 31.00 10 g 56.00
193686	METHYLSERGIDE [129-49-7] Maleate Salt Serotonin receptor antagonist. C ₂₂ H ₂₇ N ₃ O ₅ • C ₄ H ₄ O ₄ MW 469.5	1 mg 52.90 5 mg 213.90	159971	MEVASTATIN [73573-88-3] (Compacitin) Purity: 95% HMG-CoA reductase inhibitor. C ₂₃ H ₃₄ O ₅ MW 390.5	5 mg 54.00
	α-METHYLSEROTONIN MALEATE See: α -Methyl-5-hydroxytryptamine maleate		151692	MEZEREIN [34807-41-5] (Daphnetoxin) Co-inducer of interferon C ₃₈ H ₃₈ O ₁₀ MW 654.7	1 mg 128.80 5 mg 343.40
	2-METHYLSEROTONIN MALEATE See: 2-Methyl-5-hydroxytryptamine maleate		153619	MIANSERIN [21535-47-7] Hydrochloride Serotonin antagonist C ₁₈ H ₂₂ N ₂ • HCl MW 300.8	25 mg 14.45 50 mg 21.75 100 mg 39.80

Neuroscience

One call. One source.
A world of biomedical products.

1197

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872



Neuroscience Products

CATALOG
NUMBER

U.S. \$

CATALOG
NUMBER

U.S. \$

158379 0-5°C	MICROCYSTIN-LR [101043-37-2]	100 µg	95.00	151703 0°C	MOLLUSCAN CARDIOEXCITATORY NEUROPEPTIDE [64190-70-1] Phe-Met-Arg-Phe-NH ₂ Ref.: Price, Science, 197, 670 (1977)	1 mg	19.50
	Purity ≥ 98% Heptapeptide ester hepatotoxin Equally potent in inhibition of protein phosphatases 1 and 2A (PP1 and PP2A); PP2B is less sensitive and PP2C is not inhibited up to 4 µM; useful for affinity purification of PP2A. Not cell permeable. Ref.: 1. <i>J. Biol. Chem.</i> , (1988), 110 , 8557-8558. 2. <i>FEBS Lett.</i> , (1990), 264 , 187-192. 3. <i>J. Biol. Chem.</i> , (1990), 265 , 19401-19404. C ₄₉ H ₁₁ N ₁₀ O ₁₂ MW 995.2	500 µg	370.00		MOLSIDOMINE [25717-80-0] (N-(Ethoxycarbonyl)-3-(4-morpholinyl)sydnone imine; SIN-10) Precursor which is converted to the active metabolite SIN-1. C ₂₄ H ₁₄ N ₄ O ₄ MW 242.2	500 mg	34.40
158962 -20-0°C	MILRINONE [78415-72-2]	10 mg	170.00	159818 0-5°C	MONENSIN [22373-78-0] Sodium Salt Antibiotic that functions as an ionophore by forming stable complexes with monovalent cations. Ref.: Gertenbach, P.G. and Popov, A.I., <i>J. Am. Chem. Soc.</i> , 97 , 4738 (1975). C ₃₈ H ₆₂ O ₁₁ Na MW 692.9	1 g	61.90
	(1,6-Dihydro-2-methyl-6-oxo-3,4-bipyridine-5-carbonitrile) Purity: 97% Specifically inhibits cGMP-inhibited phosphodiesterase. Strong cardiotonic positive inotropic vasodilator. Ref.: 1. Harrison, S.A., et al., <i>Mol. Pharmacol.</i> , 29 , 506 (1986). 2. Ahn, S., et al., <i>Biochem. Pharmacol.</i> , 35 , 1113 (1986). 3. Alousi, A.A., et al., <i>J. Cardiovas. Pharmacol.</i> , 5 , 792 (1983). C ₁₂ H ₉ N ₃ O MW 211.2	25 mg	380.00		500 mg	34.00	
159973 RT	L-MIMOSINE [500-44-7]	25 mg	10.00	159626 0°C	MONENSIN METHYL ESTER MW 684.9	10 mg	29.80
	(β-[N-(3-Hydroxy-4-pyridone)-α-aminopropionic acid]) Purity: 99% A rare amino acid from plants which reversibly blocks the G1 phase of the cell cycle. Deoxyhyposine hydroxylation inhibitor that subsequently inhibits eukaryote initiation factor 5-A. Ref.: Hanauske-Abel, H.M., et al., <i>Biochim. Biophys. Acta</i> , 1221 , 115 (1994). C ₈ H ₁₀ N ₂ O ₄ MW 198.2	100 mg	18.75		25 mg	59.65	
155719 RT	MINOXIDIL [38304-91-5]	25 mg	24.10	152956 -20-0°C	MORPHICEPTIN (β-Casomorphin [1-4] Amide; Tyr-Pro-Phe-Pro-NH ₂) A highly preferential ligand for the µ-opiate (morphine) receptor. Ref: Chang, K.J., et al., <i>Science</i> , 212 , 75 (1981).	1 mg	15.85
	(6-[1-Piperidinyl]pyrimidine-2,4-diamine 3-oxide) Stimulates ATP-activated potassium-ion channels. Ref: Gorecki, <i>Anal. Profiles Drug Subst.</i> , 17 , 185 (1988). C ₉ H ₁₃ N ₃ O MW 209.3	100 mg	68.00		5 mg	40.55	
158963 RT	MINOXIDIL SULFATE (U-58838)	1 mg	19.00	102433 RT	3-MORPHOLINOSYDNONIMINE HYDROCHLORIDE <i>See:</i> SIN-1	1 g	6.60
	Specifically opens ATP-sensitive K ⁺ channels. Strong vascular smooth muscle relaxer. Also, an active metabolite of minoxidil. Ref.: 1. Winquist, R.J., et al., <i>J. Pharmacol. Exp. Ther.</i> , 248 , 149 (1989). 2. Meisner, K., et al., <i>J. Pharmacol. Exp. Ther.</i> , 245 , 751 (1988). 3. Gadwood, R.C. and Fiedler, V.C., <i>Annu. Rep. Med. Chem.</i> , 24 , 187 (1989). C ₉ H ₁₃ N ₃ O • SO ₃ MW 289.3	5 mg	75.00		5 g	12.25	
191240 0-5°C	MITHRAMYCIN A [18378-89-7] From <i>Streptomyces plicatus</i> C ₆₂ H ₇₆ O ₂₄ MW 1085.2	1 mg	55.00	195336 0°C	MUREXIDE [3051-09-0] (Ammonium purpurate) Reddish-brown crystals. Indicator for calcium determination. C ₈ H ₈ N ₆ O ₆ MW 284.2	1 g	6.60
	(+)-MK 801 MALEATE [77086-22-7] (Dizocipine) A very potent, selective non-competitive NMDA receptor antagonist. U.S. patent# 3,991,141 (Merck&Co., Inc.) C ₁₆ H ₁₉ N • C ₄ H ₄ O ₄ MW 337.4	5 mg	22.00		5 g	41.05	
193687 RT		25 mg	88.00	159186 RT	MUSCIMOL [2763-96-4] (3-Hydroxy-5-aminomethylisoxazole) Crystalline Structural analog of γ-amino butyric acid. Functions as a GABA-agonist; a positive analog of the natural transmitter, which can activate GABA receptors in the brain. C ₄ H ₆ N ₂ O ₂ MW 114.1	1 mg	17.05
					5 mg	53.00	
				10 mg	84.00		
				25 mg	168.00		
				151720 0-5°C	MUSCIMOL Hydrobromide GABA agonist, water soluble C ₄ H ₆ N ₂ O ₂ • HBr MW 275.9	10 mg	90.00
					25 mg	180.00	
				100 mg	650.00		
				159186 RT	MUSCONE [541-91-3] Purity: 99% Cytochrome P ⁴⁵⁰ ; inducer in rats. Ref.: 1. Peng, R., et al., <i>Biochem. Pharmacol.</i> , 35 , 1391 (1986). 2. Tanaka, E., et al., <i>ibid.</i> , 41 , 472 (1991). C ₁₅ H ₂₆ O MW 238.4	100 mg	80.25
					250 mg	177.70	
				500 mg	332.55		
				159627 0°C	MYELIN BASIC PROTEIN, Fragment 4-14 [126768-94-3] Gln-Lys-Arg-Pro-Ser-Gln-Arg-Ser-Lys-Tyr-Leu Reported to be the most specific substrate for protein kinase C. Ref.: Yasuda, I., et al., <i>Biochem. Biophys. Res. Comm.</i> , 166 , 1220 (1990). MW 1390.6	1 mg	87.00
				159628 0°C	MYELIN BASIC PROTEIN, Fragment 104-118 Gly-Lys-Gly-Arg-Gly-Leu-Ser-Leu-Ser-Arg-Phe-Ser-Trp-Gly-Ála MW 1578.8	1 mg	181.10

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999 1198
Outside the U.S.: (714) 545-0100, fax (714) 557-4872

www.icnbiomed.com
Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER	U.S. \$	CATALOG NUMBER	U.S. \$
159975 0°C	177.70	151724 0°C	216.00
Des[Gly⁷⁷, His⁷⁸]-MYELIN BASIC PROTEIN, Fragment 68-84 [98474-59-0] Tyr-Gly-Ser-Leu-Pro-Gln-Lys-Ala-Gln-Arg-Pro -Gln-Asp-Glu-Asn Purity: 95% Species: Bovine Ref.: Mannie, M., et al., <i>Proc. Natl. Acad. Sci. USA</i> , 82 , 5515 (1985). MW 1730.9	1 mg	NALIDIXIC ACID [3374-05-8] (1-Ethyl-1,4-dihydro-7-methyl-4-oxo-1,8-naphthyridine-3-carboxylic acid) Sodium Salt Crystalline C ₁₂ H ₁₁ N ₂ O ₃ Na MW 254.2	1 g 7.40 5 g 22.50 25 g 78.25 100 g 216.00
155746 0°C	36.40 121.25 201.90	153613 0-5°C	25.35 57.80 108.45
MYELIN BASIC PROTEIN, Fragment 68-82 [98474-59-0] (des[Gly ⁷⁷ , His ⁷⁸]-Ser ^{75,80} Myelin Basic Protein Bovine Fragment 68-84) Guinea Pig (Tyr-Gly-Ser-Leu-Pro-Gln-Lys-Ser-Gln-Arg-Ser-Gln-Asp-Glu-Asn) Ref.: Mannie, M., et al., <i>Proc. Natl. Acad. Sci. USA</i> , 82 , 5515 (1985). MW 1736.8	0.1 mg 0.5 mg 1 mg	NALOXONAZINE [82824-01-9] (Bis [5- α -4,5-Epoxy-3,14-dihydroxy-17-(2-propenyl) morphinan-6-ylidene] hydrazine) Opioid antagonist at μ_1 receptors. C ₃₈ H ₄₂ N ₂ O ₅ MW 650.8	2 mg 25.35 5 mg 57.80 10 mg 108.45
154586 0-5°C	77.95 361.50	190245 0-5°C	12.40 26.80 51.60 139.60
MYOSIN KINASE INHIBITING PEPTIDE Lys-Lys-Arg-Ala-Ala-Arg-Ala-Thr-Ser-NH ₂ Ref.: Pearson, R.B., et al., (1986), <i>J. Biol. Chem.</i> , 261 , 25 (1986). MW 988.2	1 mg 5 mg	NALOXONE Hydrochloride Crystalline A specific opiate antagonist. C ₁₉ H ₂₁ NO ₄ • HCl MW 363.8	25 mg 12.40 100 mg 26.80 250 mg 51.60 1 g 139.60
159631 -20-0°C	131.90	151725 RT	89.00
MYOSIN LIGHT CHAIN KINASE INHIBITOR Lys-Arg-Arg-Trp-Lys-Lys-Asn-Phe-Ile-Ala-Val MW 1444.9	1 mg	NALTREXONE [16676-29-2] (N-Cyclopropylmethyl-14-hydroxydihomorphinone) Hydrochloride Narcotic antagonist, congener of Naloxone. C ₂₀ H ₂₃ NO ₄ • HCl MW 377.9	250 mg 89.00
159632 -20-0°C	166.25	193690 -20°C	17.65 68.35 123.50
MYOSIN LIGHT CHAIN KINASE SUBSTRATE Skeletal muscle Ala-Lys-Arg-Pro-Gin-Arg-Ala-Thr-Ser-Asn-Val I-Phe-Ser MW 1460.80	1 mg	NALTRINDOLE Hydrochloride Very selective non-peptide δ -opioid receptor antagonist. C ₂₈ H ₂₈ N ₂ O ₃ • HCl MW 450.6	1 mg 17.65 5 mg 68.35 10 mg 123.50
159633 -20-0°C	131.90	158964 RT	73.35 139.90 333.70
MYOSIN LIGHT CHAIN KINASE SUBSTRATE Smooth muscle Lys-Lys-Arg-Ala-Ala-Arg-Ala-Thr-Ser-Asn-Val -Phe-Ala MW 1418.8	1 mg	NAN-190 Hydrobromide Purity: 98% 5-HT _{1A} antagonist. Ref.: 1. Glennon, R.A., et al., <i>J. Med. Chem.</i> , 31 , 1968 (1988). 2. Glennon, R.A., et al., <i>Eur. J. Pharmacol.</i> , 154 , 339 (1988). C ₂₃ H ₂₈ N ₂ O ₃ • HBr MW 474.4	50 mg 73.35 100 mg 139.90 250 mg 333.70
155765 0-5°C	35.70 184.60	102409 RT	20.00 91.00 173.40
MYXOTHIAZOL [76706-55-3] Purity: 95% From Myxobacterium (<i>Myxococcus fulvus</i>) Reported to inhibit cytochrome b-c, in the mitochondria responsible for the respiratory chain. Ref.: Thierbach, G. and Reichenbach, H., <i>Biochim. Biophys. Acta</i> , 638 , 282 (1981). C ₂₃ H ₃₃ N ₃ O ₃ S ₂ MW 487.7	1 mg 5 mg	NAPHTHORESORCINOL [132-86-5] (1,3-Dihydroxynaphthalene; 1,3-Naphthalenediol) Light brown crystals. Purity: ~95% Potent inhibitor of prostaglandin synthetase. Reagent for determination of serine and glucuronic acid. C ₁₀ H ₆ O ₂ MW 160.2	1 g 20.00 5 g 91.00 10 g 173.40
-N-		193692 RT	27.55 110.25
193688 RT	29.75 119.05	1-NAPHTHOXYLACTIC ACID A metabolite of propranolol. C ₁₃ H ₁₂ O ₄ MW 232.2	10 mg 27.55 50 mg 110.25
151723 RT	45.90 180.55 382.85	153612 0-5°C	43.35 79.55 151.90
NAFTOPIDIL Dihydrochloride An α_1 -adrenoceptor antagonist. C ₂₄ H ₂₂ N ₂ O ₃ • 2HCl MW 465.4	10 mg 50 mg	1-(1-NAPHTHYL)PIPERAZINE Hydrochloride Serotonin 5-HT ₁ agonist; 5-HT ₂ antagonist. C ₁₄ H ₁₈ N ₂ • HCl MW 248.8	25 mg 43.35 50 mg 79.55 100 mg 151.90
190246 RT	10.20 31.80 116.15	190247 RT	6.60 21.00 77.00 127.75
NALBUPHINE (N-Cyclobutylmethyl-14-hydroxy-dihomorphine) Hydrochloride Analgesic and narcotic antagonist C ₂₁ H ₂₈ NO ₄ • HCl MW 393.9	50 mg 250 mg 1 g	NAPROXEN [22204-53-1] (S(+)-6-methoxy- α -methyl-2-naphthaleneacetic acid) [S(+)-2-(6-Methoxy-2-naphthyl)propionic acid] Pharmacological agent that reportedly may show activity through ability to inhibit prostaglandin biosynthesis. Ref.: Tomlinson, et al., <i>Biochem. Biophys. Res. Commun.</i> , 46 , 552 (1972). C ₁₄ H ₁₆ O ₃ MW 230.3	1 g 6.60 5 g 21.00 25 g 77.00 50 g 127.75
NALIDIXIC ACID [389-08-2] (1-Ethyl-1,4-dihydro-7-methyl-4-oxo-1,8-naphthyridine-3-carboxylic acid) Free Acid Crystalline DNA Polymerase Inhibitor. C ₁₂ H ₁₂ N ₂ O ₃ MW 232.2	5 g 25 g 100 g		

Neuroscience

One call. One source.
A world of biomedical products.

1199

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872



Neuroscience Products

CATALOG
NUMBER

U.S. \$

CATALOG
NUMBER

U.S. \$

195945
RT
NBQX
[118876-58-7]
(FG 9202:
6-Nitro-7-sulphamoylbenzo[*f*]quinoxaline-2,3-dione;
2,3-Dihydroxy-6-nitro-7-sulphamoylbenzo[*f*]quinoxaline)
Purity: ≥95%
Selective and potent AMPA/Kainate receptor antagonist. Acts as a neuroprotectant.
C₁₂H₈N₄O₆S MW 336.3

151739
-20°C
NEUROPEPTIDE Y
[82785-45-3]
(NPY:
Tyr-Pro-Ser-Lys-Pro-Asp-Asn-Pro-Gly-Glu-Asp-Ala-Pro-Ala-Glu-Asp-Leu-Ala-Arg-Tyr-Tyr-Ser-Ala-Leu-Arg-His-Tyr-Ile-Asn-Leu-Ile-Thr-Arg-Gln-Arg-Tyr-NH₂)
Source/Species: Porcine
Ref: Tatamoto, K., et al., Proc. Natl. Acad. Sci. (USA), **79**, 5485 (1982).
MW 4253.7

158966
0-5°C
NEAMINE
[3947-65-7]
(U-5214)
Purity: 97%
Increases phosphatidylinositol 4-phosphate kinase activity specifically over P1 kinase activity. It may increase permeability in PI-containing membranes.
Ref.: 1. Quist, E., et al., Arch. Biochem. Biophys., **271**, 21 (1989). 2. Au, S., et al., Biochem. Biophys. Acta., **902**, 80 (1987).
C₁₂H₂₉N₄O₆ MW 322.4

191468
-20°C
NEUROPEPTIDE Y
[90880-35-6]
(NPY:
Tyr-Pro-Ser-Lys-Pro-Asp-Asn-Pro-Gly-Glu-Asp-Ala-Pro-Ala-Glu-Asp-Met-Ala-Arg-Tyr-Tyr-Ser-Ala-Leu-Arg-His-Tyr-Ile-Asn-Leu-Ile-Thr-Arg-Gln-Arg-Tyr-NH₂)
Source/Species: Human
MW 4271.7

154449
0-5°C
NEUROPEPTIDE Y, Fragment 13-36
[113662-54-7]
H₂N-Pro-Ala-Glu-Asp-Leu-Ala-Arg-Tyr-Tyr-Ser-r-Ala-Leu-Arg-His-Tyr-Ile-Asn-Leu-Ile-Thr-Arg-Gln-Arg-Tyr-NH₂
Source/Species: Porcine
Ref.: Walker, M.W. and Miller, R.J., (1988), Mol. Pharm., **34**, 779
MW 2982.7

100541
RT
NEOMYCIN SULFATE
[1405-10-3]
Minimum 630 µg Neomycin/mg
White powder.
Approx. 90-95% Neomycin B.
Antibiotic, also used in tissue culture studies.
Can act as an inhibitor of protein biosynthesis.
C₂₃H₄₉N₆O₁₃ • 3H₂SO₄ MW 908.9

193951
-20°C
NEUROTROPHIN 3
(NT-3)
Human, Recombinant
This neurotrophin promotes neuronal survival and growth.
Ref.: Mainsopierre, et al., Science, **247**, 1447 (1990).
MW 28 kDa

194533
RT
NEOMYCIN SULFATE
[1405-10-3]
Cell Culture Reagent
Minimum 630 µg Neomycin/mg
White powder.
Approx. 90-95% Neomycin B.
Antibiotic
Acts as an inhibitor of protein biosynthesis.
C₂₃H₄₉N₆O₁₃ • 3H₂SO₄ MW 908.9

193952
-20°C
NEUROTROPHIN 3
(NT-3)
Human, Recombinant
Produced in *E. coli*
Purity: ≥95%
A neurotrophin that promotes neuronal growth.
MW ~28 kDa

153611
0-5°C
NEOPTERIN
[2009-64-5]
[α(+)-6-(erythro-1,2,3-Trihydroxypropyl) pterin]
C₉H₁₁N₅O₄ MW 253.2

193954
-20°C
NEUROTROPHIN 4
(NT-4)
Human, Recombinant
Produced in *E. coli*
Purity: ≥95%
A neurotrophin that promotes neuronal growth.
MW ~28 kDa

102434
0-5°C
NEOPYRITHIAMINE
[534-64-5]
(Pyrrithiamine)
Hydrobromide
Thiamine Antagonist
Purity: ~95%
Yellow to off-white crystals.
C₁₄H₁₉N₄O • 2HBr MW 420.1

191508
0°C
NIALAMIDE
[51-12-7]
(N-isonicotinoyl-N' [β-(N-benzyl-carboxamido) ethyl] hydrazine;
N-Benzyl-β-[isonicotinyl-hydrazine] propionamide)
Crystalline
Purity: ~95%
Monoamine Oxidase inhibitor
C₁₈H₁₉N₃O₂ MW 298.3

153553
RT
NEOSTIGMINE BROMIDE
[114-80-7]
[3-[[[Dimethylamino]carbonyl]oxy]-N,N,N-trimethylbenzenaminium bromide]
Inhibitor of acetylcholinesterase
C₁₂H₁₉BrN₂O₂ MW 303.2

190244
0-5°C
NICARDIPINE
[55985-32-5]
(1,4-Dihydro-2,6-dimethyl-4-[3-nitrophenyl]methyl-2-[methyl-(phenyl-methyl)amino]-3,5-pyridinedicarboxylic acid ethyl ester)
Hydrochloride
Cerebral and coary vasodilator with calcium blocking activity. Structurally related to Nifedipine.
C₂₀H₂₂N₂O₆ • HCl MW 516

155816
0°C
NEOSTIGMINE METHYL SULFATE
[51-60-5]
[3-[[[Dimethylamino]carbonyl]-oxy]-N,N,N-trimethylbenzenaminium methyl sulfate]
Crystalline
C₁₃H₂₂N₂O₆S MW 334.4

190244
0-5°C
NICARDIPINE
[55985-32-5]
(1,4-Dihydro-2,6-dimethyl-4-[3-nitrophenyl]methyl-2-[methyl-(phenyl-methyl)amino]-3,5-pyridinedicarboxylic acid ethyl ester)
Hydrochloride
Cerebral and coary vasodilator with calcium blocking activity. Structurally related to Nifedipine.
C₂₀H₂₂N₂O₆ • HCl MW 516

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999 1200
Outside the U.S.: (714) 545-0100, fax (714) 557-4872

www.icnbiomed.com
Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$
155824	NICERGOLINE [27848-84-6] 5-Bromonicotinic acid 10-methoxy-1,6-dimethylergoline-8-methano l ester) Free Acid Purity: ~98% An α -adrenergic $C_{24}H_{28}BrN_3O_3 \cdot C_8H_{16}O_4$ MW 600.4	1 mg 9.50 5 mg 13.10 25 mg 44.10 100 mg 136.50	152420	NITR 7 A photolabile calcium chelator. NITR 7 binds calcium approx. 3 times more tightly than NITR 5, but also releases it with a higher time constant (1.8 milliseconds vs. 300 microseconds). Ref.: Gurney, A.M., Tsien, R.Y., Lester, H.A., Proc. Natl. Acad. Sci. USA, 84 , 3496 (1987). $C_{34}H_{38}N_3O_{15}$ MW 725.7	1 mg 67.60 5 mg 308.45
	NICORANDIL ANALOG See: N-[2-(Acetoxy)ethyl]-3-pyridinecarboxamide		159789	NITRENDIPINE [39562-70-4] An L-type calcium channel blocker. $C_{18}H_{22}N_2O_6$ MW 360.4	5 mg 14.85 10 mg 26.35 50 mg 105.50
190671	(-)-NICOTINE [54-11-5] (L)-1-Methyl-2-[3-pyridyl]pyrrolidine) Free Base Purity: 98-100% Clear light yellow liquid $C_{10}H_{14}N_2$ MW 162.2	5 ml 12.20 25 ml 41.20 100 ml 83.50	102503	N-α-NITRO-L-ARGININE [2149-70-4] Crystalline $C_6H_{13}N_3O_4$ MW 219.2	1 g 11.25 5 g 44.05 10 g 79.10
155830	(+)-NICOTINE [22083-74-5] $C_{10}H_{14}N_2$ MW 162.2	100 mg 38.55 500 mg 114.70	155846	N-α-NITRO-L-ARGININE METHYL ESTER [51298-62-5] Hydrochloride Crystalline $C_{17}H_{19}N_3O_4 \cdot HCl$ MW 269.7	5 g 34.70 10 g 61.85 25 g 142.00
155829	(+)-NICOTINE [68935-27-3] (+)-Di-p-toluoyletartrate Salt $C_{10}H_{14}N_2 \cdot 2C_{10}H_{14}O_3$ MW 548.6	50 mg 33.45 250 mg 111.35	155872	S-(p-NITROBENZYL)-6- THIOGUANOSINE [13153-27-0] (S)-(4-Nitrobenzyl)-6-thioguanosine; 2-Amino-6-[(4-nitrobenzyl)thio]-9- β - D-ribofuranosylpurine; NBTGR) Strong inhibitor for the transport of nucleosides. Ref.: 1. Can. J. Biochem. 49 , 271 (1971). 2. Ann. N.Y. Acad. Sci., 255 , 402 (1975). Yellow powder. $C_{17}H_{18}N_6O_6S$ MW 434.4	10 mg 14.05 25 mg 31.00 100 mg 112.00
153554	(-)-NICOTINE [65-31-6] [(S)-3-(1-Methyl-2-pyrrolidinyl)pyridine] Tartrate Salt $C_{10}H_{14}N_2 \cdot 2C_4H_6O_6$ MW 462.4	250 mg 10.90 1 g 21.75	155873	S-(p-NITROBENZYL)-6-THIOINOSINE [38048-32-7] (S)-(4-Nitrobenzyl)-6-thioinosine; 6-[(4-nitrobenzyl)thio]-9- β -D-ribofuranosylpurine; NBMPPR) Useful tool in cancer research as a very strong inhibitor for the transport of nucleosides. Ref.: Cancer Res., 39 , 1245 (1979). Crystalline $C_{17}H_{17}N_5O_6S$ MW 419.4	25 mg 35.80 100 mg 120.40 250 mg 263.70
151743	NIFEDIPINE [21829-25-4] [1,4-Dihydro-2,6-dimethyl-4-(2- nitrophenyl)-3,5-pyridine- dicarboxylic acid dimethyl ester] Purity: 95% Yellow crystalline powder A calcium-channel blocker. $C_{17}H_{18}N_2O_6$ MW 346.3	1 g 12.45 5 g 34.35 10 g 52.75 25 g 93.85	159790	7-NITROINDAZOLE [2942-42-9] Purity: $\geq 97\%$ Inhibitor of nitric oxide synthase. Ref.: Moore, et al., Brit. J. Pharm., 110 , 219 (1993). $C_7H_8N_2O_2$ MW 163.1	1 mg 8.40 5 mg 19.95 25 mg 63.00
195345	NIGERICIN [28380-24-7] Mixture of sodium and potassium salts Purity: ~95% A polyether antibiotic that affects ion transport and ATPase activity in mitochondria. Ref.: Sze, H., Proc. Nat. Acad. Sci. U.S.A., 77 , 5904 (1980). $C_{40}H_62O_{11}Na$ MW 747	1 mg 40.15 5 mg 176.40 10 mg 420.20	193697	7-NITROINDAZOLE Monosodium Salt Purity: $\geq 95\%$ Slightly water soluble salt of 7-nitroindazole, a selective inhibitor of nitric oxide synthase (NOS). $C_7H_8N_2O_2Na$ MW 185.1	1 mg 10.50 5 mg 35.70 25 mg 141.75
159802	(+)-NIGULDIPINE [113317-61-6] Hydrochloride Very powerful α_{1A} -adrenergic inhibitor. $C_{38}H_{39}N_3O_6 \cdot HCl$ MW 646.2	1 mg 11.45 5 mg 32.05 25 mg 128.40	158967	5-NITRO-2-(3- PHENYLPROPYLAMINO)-BENZOIC ACID [107254-86-4] Purity: 98% Cyclooxygenase inhibitor and potent chloride channel blocker. Ref.: 1. Diener, M. and Rummel, W., Acta Physiol. Scand., 137 , 215 (1989). 2. Wangemann, P., et al., Pflügers Arch., 407 , s128 (1986). 3. Breuer, W., et al., Biochem. Biophys. Res. Commun., 163 , 398 (1989). $C_{18}H_{19}N_2O_4$ MW 300.3	10 mg 57.35 25 mg 131.90 50 mg 252.25
159803	NIMODIPINE [66085-59-4] Potent calcium channel antagonist. Ref.: Kappelle, et al., Brit. J. Pharm., 111 , 887 (1994). $C_{22}H_{28}N_2O_7$ MW 418.4	10 mg 13.75 25 mg 27.50 100 mg 110.10	152419	NITR 5 A photosensitive calcium chelator. Useful in a variety of systems where short pulses of rapidly released calcium may be used to probe associated physiological responses. Ref.: 1. Tsien, R. and Zucker, R.S., Biochem. J., 50 , 843 (1986). 2. Gurney, A.M., Tsien, R.Y., and Lester, H.A., Proc. Natl. Acad. Sci. USA, 84 , 3496 (1987). $C_{31}H_{31}N_3O_{15}$ MW 685.6	1 mg 67.60 5 mg 308.45
193694	NISOXETINE [57754-86-6] Hydrochloride A selective norepinephrine uptake inhibitor. $C_{17}H_{21}NO_2 \cdot HCl$ MW 307.8	5 mg 47.40 25 mg 189.65			

Neuroscience

One call. One source.
A world of biomedical products.

1201

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872

CATALOG
NUMBER

Neuroscience Products

U.S. \$

CATALOG
NUMBER

U.S. \$

155923 0-5°C	3-NITROPROPIONIC ACID [504-88-1] An inhibitor of succinic dehydrogenase and a neurotoxin shown to cause brain lesions resembling those of Huntington's Disease. May produce a yellow solution in alcohol. C ₃ H ₅ NO ₄ MW 119.1	5 g	166.10		
158968 RT	6-NITROQUIPAZINE MALEATE Purity: 98% 5-HT uptake inhibitor. Ref.: 1. Hashimoto and Goromaru, Eur. J. Pharmacol., 180 , 273 (1990). 2. Hashimoto and Goromaru, Biochem. Pharmacol., 41 , 1679 (1991). C ₁₃ H ₁₄ N ₄ O ₂ • C ₄ H ₄ O ₄ MW 374.3	5 mg 20 mg	75.00 261.00		
159819 0°C	S-NITROSO-L-GLUTATHIONE [57564-91-7] (GSNO) A carrier of nitric oxide (NO), smooth muscle relaxant and inhibitor of platelet activation. Ref.: 1. Gibson, A., et al., Br. J. Pharmacol., 107 , 715 (1992). 2. Radomski, M.W., et al., Br. J. Pharmacol., 107 , 745 (1992). C ₁₀ H ₁₃ N ₄ O ₂ S MW 336.3	5 mg 10 mg 25 mg	28.65 48.60 65.50		
159820 -20°C	NOC-5 (1-Hydroxy-2-oxo-3-(3-aminopropyl)-3-isopropyl-1-triazene) Crystalline A nitric oxide (NO) donor. Half-life time of NO release at 22 °C and pH 7.4 in 0.1 M phosphate buffer is 93.0 minutes. Ref.: 1. Hrabie, J.A., et al., J. Org. Chem., 58 , 1472 (1993). 2. Maragos, C.M., et al., Cancer Res., 53 , 564 (1993). C ₈ H ₁₃ N ₃ O ₂ MW 176.2	1 mg 5 mg 10 mg	28.65 126.10 229.30		
159821 -20°C	NOC-7 (1-Hydroxy-2-oxo-3-(N-methylaminopropyl)-3-methyl-1-triazene) Crystalline A nitric oxide (NO) donor. Half-life time of NO release at 22 °C and pH 7.4 in 0.1 M phosphate buffer is 10.1 minutes. Ref.: 1. Hrabie, J.A., et al., J. Org. Chem., 58 , 1472 (1993). 2. Maragos, C.M., et al., Cancer Res., 53 , 564 (1993). C ₈ H ₁₃ N ₃ O ₂ MW 162.2	1 mg 5 mg 10 mg	28.65 126.10 229.30		
159822 -20°C	NOC-9 [146724-86-9] (MAHMA-NONOate; 1-Hydroxy-2-oxo-3-(N-methyl-6-aminohexyl)-3-methyl-1-triazene) Crystalline Purity: ≥98% A nitric oxide (NO) donor. Half-life time of NO release at 22 °C and pH 7.4 in 0.1 M phosphate buffer is 2.7 minutes. Ref.: 1. Hrabie, J.A., et al., J. Org. Chem., 58 , 1472 (1993). 2. Maragos, C.M., et al., Cancer Res., 53 , 564 (1993). C ₈ H ₁₃ N ₃ O ₂ MW 204.3	5 mg 10 mg 25 mg	55.00 97.45 194.95		
159823 -20°C	NOC-12 (1-Hydroxy-2-oxo-3-(N-ethyl-2-aminoethyl)-3-ethyl-1-triazene) Crystalline A nitric oxide (NO) donor. Half-life time of NO release at 22 °C and pH 7.4 in 0.1 M phosphate buffer is 327 minutes. Ref.: 1. Hrabie, J.A., et al., J. Org. Chem., 58 , 1472 (1993). 2. Maragos, C.M., et al., Cancer Res., 53 , 564 (1993). C ₈ H ₁₃ N ₃ O ₂ MW 176.2	1 mg 5 mg 10 mg	28.65 126.10 229.30		
159824 -20°C	NOC-15 [146672-58-4] (PAPA NONOate; 1-Hydroxy-2-oxo-3-(3-aminopropyl)-3-propyl-1-triazene) Crystalline Purity: ≥98% A nitric oxide (NO) donor. Half-life time of NO release at 22 °C and pH 7.4 in 0.1 M phosphate buffer is 76.6 minutes. Ref.: 1. Hrabie, J.A., et al., J. Org. Chem., 58 , 1472 (1993). 2. Maragos, C.M., et al., Cancer Res., 53 , 564 (1993). C ₈ H ₁₃ N ₃ O ₂ MW 176.2	5 mg 10 mg 25 mg	36.75 50.40 121.50		
159825 -20°C	NOC-18 [146724-94-9] (Z)-1-[N-(2-Aminoethyl)-N-(2-ammonioethyl)amino]diazen-1-ium-1,2-diolate; 1-Hydroxy-2-oxo-3,3-bis(3-aminoethyl)-1-triazene) Crystalline A nitric oxide (NO) donor. Half-life time of NO release at 22 °C and pH 7.4 in 0.1 M phosphate buffer is > 500 minutes. Ref.: 1. Hrabie, J.A., et al., J. Org. Chem., 58 , 1472 (1993). 2. Maragos, C.M., et al., Cancer Res., 53 , 564 (1993). C ₈ H ₁₃ N ₅ O ₂ MW 163.2	1 mg 5 mg 10 mg 25 mg	15.00 55.00 97.45 194.95		
	NOCODAZOLE See: Methyl[5-(2-Thienylcarbonyl)-1H-Benzimidazol-2-yl]Carbamate				
158380 0-5°C	NODULARIN [118399-22-7] Purity ≥ 98% Potent in the inhibition of protein phosphatases 1 and 2A (PP1 and PP2A) Useful for affinity purification of PP2A Similar to Microcystin-LR (ICN Cat. No. 158379), but with increased water solubility. Ref.: 1. J. Cancer Res. Clin. Oncol., 116 , 609-614 (1990). C ₄₁ H ₆₅ N ₉ O ₁₀ MW 825	500 µg	298.10		
193699 RT	NOMIFENSINE [32795-47-4] Maleate Salt A dopamine uptake inhibitor. C ₁₈ H ₁₉ N ₃ • C ₄ H ₄ O ₄ MW 354.4	10 mg 25 mg 100 mg	16.55 28.65 104.20		
159826 -20°C	NOR-1 A nitric oxide (NO) donor. Half-life time of NO release at 37 °C and pH 7.4 in 0.1 M PBS is 1.7 minutes. Ref.: Kita, Y., et al., Eur. J. Pharmacol., 257 , 123 (1994). C ₈ H ₁₃ N ₃ O ₅ MW 231.2	1 mg 5 mg 10 mg	28.65 126.10 229.30		
159827 -20°C	NOR-2 A nitric oxide (NO) donor. Half-life time of NO release at 37 °C and pH 7.4 in 0.1 M PBS is 28 minutes. Ref.: Kita, Y., et al., Eur. J. Pharmacol., 257 , 123 (1994). C ₇ H ₁₁ N ₃ O ₄ MW 201.2	1 mg 5 mg 10 mg	28.65 126.10 229.30		
159828 -20°C	NOR-3 (FK409); (±)-E-Ethyl-2-[(E)-hydroxyimino]-5-nitro-3-hex-eneamide) A nitric oxide (NO) donor. Half-life time of NO release at 37 °C and pH 7.4 in 0.1 M PBS is 30 minutes. Ref.: Kita, Y., et al., Eur. J. Pharmacol., 257 , 123 (1994). C ₈ H ₁₃ N ₃ O ₄ MW 215.2	1 mg 5 mg 10 mg	19.95 78.75 115.50		

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999 1202
Outside the U.S.: (714) 545-0100, fax (714) 557-4872www.icnbiomed.com
Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$
159829	NOR-4 A nitric oxide (NO) donor. Half-life time of NO release at 37 °C and pH 7.4 in 0.1 M PBS is 60 minutes. Ref.: Kita, Y., et al., <i>Eur. J. Pharmacol.</i> , 257 , 123 (1994). C ₁₃ H ₁₃ N ₃ O ₄ MW 306.3	1 mg 28.65 5 mg 126.10 10 mg 229.30	153557	NORTRIPTYLINE METABOLITE, (±)-Z-10-HYDROXYLATED [37439-87-5] ((R,S)-(Z)-3-(10-Hydroxy-10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)-N-methyl-l-propanamine) C ₁₉ H ₂₁ NO MW 279.4	1 mg 122.90 2 mg 202.45
193594	NORADRENALINE ELISA KIT This noradrenaline ELISA kit provides materials for the quantitative measurement of chemically derivatized noradrenaline in urine. The assay procedure follows the basic principle of competitive ELISA whereby there is competition between a biotinylated and non-biotinylated antigen for a fixed number of antibody binding sites. The kit is a 12 x 8 well format. <i>FOR RESEARCH USE ONLY!</i>	1 each 583.00	153558	NOSCAPINE (Narcotine) S(R*,S*)-6,7-Dimethoxy-3-(5,6,7,8-tetrahydro-4-methoxy-6-methyl-1,3-dioxolo[4,5-g]isouinol-5-yl)-1(3H)-isobenzofuranone C ₂₂ H ₂₃ N ₇ MW 413.4	250 mg 14.45 1 g 43.35
155944	NORDIHYDROGUAIARETIC ACID [500-38-9] (4,4'-[2,3-Dimethyl-1,4-butanediyl]-bis[1,2-benzenediol]) Tan Crystals. Inhibitor of lipoxygenases C ₁₉ H ₂₀ O ₄ MW 302.4	500 mg 24.15 1 g 41.10 5 g 167.80	155957	NOVOBIOCIN [1476-53-5] Sodium Salt Purity: ~90% Crystalline Topoisomerase II inhibitor C ₃₁ H ₃₃ N ₂ O ₇ Na MW 634.6	1 g 18.15 5 g 60.15 25 g 224.35 100 g 630.65
158970	NORFENTANYL Purity: 99% Urinary metabolite of fentanyl. Ref.: Hammargren, W.R. and Henderson, G.L., <i>J. Anal. Toxicol.</i> , 12 , 183 (1988). MW 232.3	1 mg 65.60 5 mg 286.65 10 mg 544.65	159187	NPC-14686 Purity: 99% Anti-inflammatory agent. Ref.: 1. Burch, R.M., <i>Advances in Understanding and Treatment of Rheumatoid Arthritis, Philadelphia</i> , (1991) conference proceedings. MW 401.4	200 mg 63.05 500 mg 137.60 1 g 258.00
105174	DL-NORMETANEPHRINE [1011-74-1] (α-α-[Aminomethyl]-4-hydroxy-3-methoxybenzenemethanol) Hydrochloride Crystalline Purity: ~98% C ₉ H ₁₃ NO ₃ • HCl MW 219.7	100 mg 12.50 250 mg 30.00 500 mg 58.10 1 g 115.70 5 g 566.55	159981	NS-398 [123653-11-2] Purity: 98% Specific inhibitor of PGH synthase-2. Ref.: Futaki, N., et al., <i>Prostaglandins</i> , 47 , 55 (1994). MW 314.4	1 mg 32.05 5 mg 145.65 10 mg 252.25
193595	NORMETANEPHRINE ELISA KIT This normetanephrine ELISA kit provides materials for the quantitative measurement of chemically derivatized normetanephrine in urine. The assay procedure follows the basic principle of competitive ELISA whereby there is competition between a biotinylated and a non-biotinylated antigen for a fixed number of antibody binding sites. The kit is a 12 x 8 well format. <i>FOR RESEARCH USE ONLY!</i>	1 each 545.75	155959	NUCLEAR YELLOW [74681-68-8] (2-[4-Sulfamylphenyl]-6-[6-(4-methylpiperazin-2-yl)-benzimidazolyl]benzimidazole trihydrochloride) Dye content: Approx. 80% A fluorescent neuronal tracer. Ref.: 1. Bentivoglio, M., et al., <i>Neurosci. Lett.</i> , 18 , 25 (1980). 2. Kuypers, H.G.J.M. and Huisman, A.M., <i>Adv. Cellular Neurobiol.</i> , 5 , 307 (1984). C ₂₃ H ₂₃ N ₅ O ₂ S • 3HCl MW 597	25 mg 39.30 100 mg 137.60 250 mg 321.05
158381	1-NOROKADAONE [131204-29-0] Purity ≥ 98% Serine/Threonine Phosphatase Inhibitor. Possible okadaic acid negative control. C ₄₃ H ₆₆ O ₁₁ MW 758.99	50 µg 197.65 100 µg 375.50	155963	NYLIDRIN [849-55-8] Hydrochloride Purity: 95% β-Adrenergic receptor agonist C ₁₉ H ₂₃ NO ₂ • HCl MW 335.9	1 g 10.20 5 g 37.50 10 g 70.25 25 g 170.50
153555	NORTRIPTYLINE [894-71-3] (3-(10,11-Dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)-N-methyl-1-propanamine) Hydrochloride A norepinephrine uptake inhibitor. C ₁₉ H ₂₁ N • HCl MW 299.8	250 mg 21.75 1 g 43.35	-O-		
153556	NORTRIPTYLINE METABOLITE, (±)-E-10-HYDROXYLATED [37439-89-7] ((R,S)-(E)-3-(10-Hydroxy-10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)-N-methyl-l-propanamine) C ₁₉ H ₂₁ NO MW 279.4	1 mg 122.90 2 mg 202.45	1-O-OCTADECYL-2-O-ACETYL-sn-GLYCERO-1-PHOSPHORYLCHOLINE <i>See: L-α-Phosphatidylcholine-β-Acetyl-γ-O-Octadecyl</i>		
159016	3-(4-OCTADECYL)-BENZOYLACRYLIC ACID (OBAA) Purity: 98% Strongly blocks snake venom PLA ₂ . Also demonstrates inhibition of allergen induced bronchospasm. Ref.: 1. Kohler, T., et al., <i>Agents Actions</i> , 32 , 144 (1991). 2. Madi, S., et al., <i>ibid.</i> , 32 , 144 (1991). C ₂₈ H ₄₄ O ₃ MW 428.4	10 mg 88.20 25 mg 195.00 50 mg 364.05	Neuroscience		

One call. One source.
A world of biomedical products.

1203

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872



Neuroscience Products

CATALOG
NUMBER

U.S. \$

CATALOG
NUMBER

U.S. \$

159188
-20°C
1-O-OCTADECYL-sn-GLYCERO-3-PHOSPHORYLCHOLINE
[74430-89-0]
(Lyso-PAF c-18)
Purity: 99%
Inactive platelet activating factor metabolite.
Ref.: Wykle, R.L., et al., Biochem. Biophys. Res. Commun., **100**, 1651 (1981).
MW 509.7

5 mg 54.45
10 mg 103.45
25 mg 255.60

191509
0°C
1-O-OCTADECYL-2-O-METHYL-sn-GLYCERO-3-PHOSPHORYLCHOLINE
Inhibits protein kinase C from various leukemia cells. Displays antineoplastic activity.
Ref.: (1) D.M. Helfman, et al., Cancer Res., **43**, 2955 (1983).
MW 523.7

1 mg 39.80
5 mg 75.50
10 mg 143.15

159635
0-5°C
4-(4-OCTADECYL)-4-OXOBENZENEBUTENOIC ACID
Phospholipase A2 inhibitor
 $C_{28}H_{44}O_3$ MW 428.6

5 mg 45.10
25 mg 182.40

159189
0°C
17-OCTADECYNOIC ACID
[34450-18-5]
(17-ODYA)
Free Acid
Purity: 99%
Specifically inhibits LTB₄ ω -oxidase.
Ref.: Shak, S., et al., J. Biol. Chem., **260**, 13023 (1985).
 $C_{18}H_{32}O_2$ MW 280.4

1 mg 21.20
5 mg 97.45
10 mg 172.00

16024
0-5°C
N-OCTANOYL-D-erythro-SPHINGOSINE [Octanoyl-1-¹⁴C]
Sp. Act. 25-50 mCi/mmol
0.925-1.85 GBq/mmol
Ethanol solution.
Please call for delivery information.
MW 397.5

50 μ Ci 726.45

26041
0-5°C
N-OCTANOYL-D-erythro-SPHINGOSINE [Octanoyl-1-³H]
Sp. Act. 5-10 Ci/mmol
1.85-3.70 GBq/mmol
Ethanol solution.
Please call for delivery information.
MW 397.5

50 μ Ci 726.45

193701
RT
OCTOCLOTHEPIN
[4789-68-8]
Maleate Salt
A D₂ dopamine and serotonin receptor antagonist.
 $C_{19}H_{21}N_2SCl \cdot C_8H_8O_4$ MW 461.0

10 mg 23.15
50 mg 94.80

150143
RT
DL-OCTOPAMINE
[770-05-8]
[α -1-(p-Hydroxyphenyl)-2-aminoethanol]
Hydrochloride
Crystalline
Sympathomimetic
 $C_8H_{11}NO_2 \cdot HCl$ MW 189.6

1 g 6.85
5 g 18.30
10 g 35.80
50 g 173.80

158971
-20-0°C
(+)-7-OCTYLINDOLACTAM V
[123597-54-6]
Purity: 99%
Inactive isomer used as a negative control.
 $C_{28}H_{37}N_3O_2$ MW 423.6

1 mg 311.40

158972
-20-0°C
(-)-7-OCTYLINDOLACTAM V
[109346-66-9]
Purity: 99%
Analog of teleocidin which is a non-phorbol activator of protein kinase C. It has higher potency and metabolic stability.
Ref.: 1. Fujiki, H. and Sugimura, T., Adv. Cancer Res., **49**, 223 (1987). 2. Collins, M. and Rozengurt, E., Biochem. Biophys. Res. Commun., **104**, 1159 (1982).
 $C_{28}H_{37}N_3O_2$ MW 423.6

1 mg 172.00
5 mg 785.40

159190
0°C
OCTYLONIUM BROMIDE
[26095-59-0]
Purity: 98%
Exhibits high affinity for platelet PAF receptors. Useful clinical spasmolytic agent for increased muscle tone.
Ref.: 1. Ortega, M.P., et al., J. Pharmacol. Exp. Ther., **255**, 28 (1990). 2. Whitley, R.E., et al., Prostaglandins, **43**, 21 (1992). 3. Mudler, H.W., et al., Biochem. Biophys. Res. Commun., **176**, 1557 (1991).
MW 563.6

ODQ

See: 1H-[1,2,4]Oxadiazolo[4,3-a]quinoxalin-1-one

193514
0-5°C
OKADAIC ACID
[78111-17-8]
Free Acid
Purity \geq 98%

100 μ g 212.85
300 μ g 583.95

Potent inhibitor of serine/threonine-specific protein phosphatases 1 and 2A (PP1 and PP2A) and of 2B at higher concentrations. Does **not** inhibit protein tyrosine phosphatases or kinases which have been tested.
 $C_{44}H_{68}O_{13}$ MW 805.01

158973
-20-0°C
OKADAIC ACID
[78111-17-8]
Potassium Salt
Purity: \geq 98%
 $C_{44}H_{66}KO_{13}$ MW 843.1

10 μ g 33.85
25 μ g 60.70
50 μ g 98.55
100 μ g 166.80

158974
-20-0°C
OKADAIC ACID
Sodium Salt
Purity: \geq 98%
 $C_{44}H_{66}O_{13}Na$ MW 828

10 μ g 40.40
25 μ g 81.40
50 μ g 135.50
100 μ g 265.10

OKADAIC ACID, 7-O-PALMITOYL

See: 7-O-Palmitoyllokadaic acid

158384
0-5°C
OKADAIC ACID 7,10,24,28-TETRAACETATE
[78111-15-6]
Purity \geq 98%

50 μ g 83.70
100 μ g 157.80

Serine/Threonine protein phosphatase inhibitor
 $C_{58}H_{78}O_{17}$ MW 973.16

158385
0-5°C
OKADAOL
[131959-12-1]
Purity \geq 98%
Okadaic acid analog
Serine/Threonine protein phosphatase inhibitor.
 $C_{44}H_{70}O_{12}$ MW 791.03

50 μ g 135.00
100 μ g 260.00

191510
-20°C
(+)-1-OLEOYL-2-ACETYLGLYCEROL
[92282-11-6]
Purity: 98%
Potent, membrane-permeable activator of protein kinase C.
 $C_{23}H_{42}O_5$ MW 398.6

5 mg 53.35
10 mg 91.75
25 mg 192.05
50 mg 375.00

159015
0°C
OLEYLOXYETHYL PHOSPHORYLCHOLINE
Purity: 98%
Specifically inhibits PLA₂.
Ref.: 1. Mayolida, R.L., et al., Prostaglandins, Leukotrienes, and Lipoxins, (J.M. Bailey, ed.), Plenum, N.Y., 669 (1985). 2. Kausser, K., et al., Circulation Res., **68**, 1154 (1991).
MW 477.7

10 mg 57.35
25 mg 131.90
50 mg 252.25

151786
0-5°C
OLIGOMYCIN
[1404-19-9]
A mixture of oligomycin A, B, and C in approx. ratio 60:30:10
Antibiotic that inhibits respiration in mitochondria

1 mg 20.80
5 mg 55.05
10 mg 104.20

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999 1204
Outside the U.S.: (714) 545-0100, fax (714) 557-4872

www.icnbiomed.com
Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$
151783 0-5°C	OLIGOMYCIN A [579-13-5] (Olivomycin) From <i>Streptomyces olivoreticuli</i> m.p. 140-141°C Reportedly inhibits growth of <i>Aspergillus niger</i> and other moulds. Ref.: Nakakita, V., et al., J. Antibiot., 33, 514 (1980). C ₄₉ H ₇ O ₁₁ MW 791.1	1 mg 20.25 5 mg 49.25	193702 0-5°C	1H-[1,2,4]OXADIAZOLO[4,3-a]-QUINOXALIN-1-ONE (ODO) A potent, selective inhibitor of NO-sensitive guanylyl cyclase. Ref.: Boulton, et al., Neuroscience, 69, 699 (1995). C ₉ H ₈ N ₆ O ₂ MW 187.2	5 mg 40.95 25 mg 187.00
151784 0-5°C	OLIGOMYCIN B [11052-94-5] Crystalline C ₄₉ H ₇ O ₁₂ MW 805.1	1 mg 111.35 5 mg 421.00	159806 0-5°C	4-OXATETRADECANOIC ACID Inhibits HIV replication. Ref.: Langer, C.A., et al., J. Biol. Chem., 267, 17159 (1992). C ₁₃ H ₂₆ O ₃ MW 230.3	1 mg 29.80 5 mg 90.55 10 mg 146.20
151785 0-5°C	OLIGOMYCIN C [11052-72-5] Crystalline Antibiotic C ₂₈ H ₄₆ O ₆ MW 478.7	1 mg 80.30 5 mg 364.55	159639 0°C	20-OXO-20-DEOXYPHORBOL 12,13-DIBUTYRATE [100930-03-8] Purity: 98% For the preparation of tritiated Phorbol 12,13-dibutyrate C ₂₈ H ₃₈ O ₈ MW 502.6	1 mg 135.15 5 mg 546.00
159805 -20°C	OLOMOUCINE [101622-51-9] (6-Benzylamino-2-(2-hydroxyethylamino)-9-methylpurine) Purity: 99% Selective inhibitor of cdc2, cdk and other cyclin-related kinases. C ₁₉ H ₁₈ N ₆ O MW 298.4	1 mg 18.35 5 mg 71.10 25 mg 282.10	159640 0°C	20-OXO-20-DEOXYPHORBOL 12-MYRISTATE 13-ACETATE [30358-69-1] Purity: 98% For the preparation of tritiated PMA C ₃₈ H ₅₆ O ₈ MW 614.8	1 mg 125.05 5 mg 510.35
159636 0-5°C	OPHIOBOLIN A [4611-05-6] (Cochliobolin A) From <i>Helminthosporium sp.</i> Purity: 95+% Calmodulin inhibitor Ref.: Leung, P.C., et al., Int. J. Biochem., 20, 1351 (1988). C ₂₃ H ₃₆ O ₄ MW 400.6	1 mg 65.35 5 mg 261.40	159642 0°C	20-OXO-12,20-DIDEOXYPHORBOL 13-ISOBUTYRATE [123597-58-0] Purity: 98% Used to prepare tritiated 12-Deoxyphorbol 13-isobutyrate C ₂₄ H ₃₂ O ₆ MW 416.5	1 mg 169.75 5 mg 655.00
2942000 -20°C	OPOSSUM SERUM From <i>Didelphis virginia</i> A rare animal sera suitable for eukaryotic cultures. Ideal for neuroscience investigations.	1 ml 78.00	159643 0°C	20-OXO-12,20-DIDEOXYPHORBOL 13-PHENYLACETATE [138574-84-2] Purity: 98% For the preparation of tritiated 12-Deoxyphorbol 13-phenylacetate C ₂₃ H ₃₂ O ₆ MW 464.6	1 mg 175.50 5 mg 692.20
102514 RT	D-ORNITHINE [16682-12-5] (D-2,5-Diaminopentanoic acid) Hydrochloride Crystalline Purity: ~99% C ₃ H ₁₂ N ₂ O ₂ • HCl MW 168.6	1 g 13.50 5 g 47.25 10 g 85.95	153610 0-5°C	OXOTREMORINE METHIODIDE (Oxotremorine M) C ₁₁ H ₁₃ N ₂ O MW 322.2	25 mg 26.10 50 mg 47.05 100 mg 86.75
100421 RT	L-ORNITHINE [3184-13-2] (L-2,5-Diaminopentanoic acid) Hydrochloride Crystalline Purity: ~99% This material is essentially free of citrulline and ammonia. C ₃ H ₁₂ N ₂ O ₂ • HCl MW 168.6	5 g 6.10 25 g 12.65 100 g 31.60 1 kg 212.10 5 kg 1015.20	153609 0-5°C	OXOTREMORINE SESQUIFUMARATE [17360-35-9] (1-[4-(1-Pyrrolidinyl)-2-butyryl]-2-pyrrolidinone sesquifumarate) C ₁₃ H ₁₈ N ₂ O • 3/2C ₄ H ₄ O ₄ MW 380.4	25 mg 10.90 50 mg 17.35 100 mg 28.85
16012 0-5°C	L-ORNITHINE [¹⁴C(U)] Sp. Act. >250 mCi/mmol >9.25 GBq/mmol 0.01N HCl solution. Please call for delivery information. NH ₂ (CH ₂) ₃ CH(NH ₂)COOH MW 132.1	10 µCi 411.10 50 µCi 908.35	190255 RT	OXYMETAZOLINE [1491-59-4] (2-[3-Hydroxy-2,6-dimethyl-4-t-butyl-benzyl]-2-imidazolone) Hydrochloride Crystalline Adrenergic compound C ₁₈ H ₂₄ N ₂ O • HCl MW 296.8	5 g 30.65 10 g 54.20 25 g 117.65 100 g 327.40
102541 0-5°C	OUABAIN [630-60-4] (G-Strophanthin) Crystalline Octahydrate An inhibitor of sodium-potassium-ion-dependent ATPase. Ref.: J. Pharmacol. Exp. Ther., 189, 434 (1974). C ₂₉ H ₄₄ O ₁₂ • 8H ₂ O MW 728.8	250 mg 19.30 1 g 47.25 5 g 181.35 25 g 707.90	100896 -20-0°C	OXYTOCIN [50-56-6] (α-Hypophamine; Cys-Tyr-Ile-Gln-Asn-Cys-Pro-Leu-Gly-NH ₂) Contains Cys ¹ -Cys ⁶ disulfide bond. In 0.25% acetic acid with 0.5% chlorobutanol as preservative. Activity: ~20 units/cc C ₄₃ H ₆₈ N ₁₂ O ₁₂ S ₂ MW 1007.2	100 ml 9.85 1 liter 80.55 5 liter 390.15
			191057 -20-0°C	OXYTOCIN [50-56-6] (α-Hypophamine; Cys-Tyr-Ile-Gln-Asn-Cys-Pro-Leu-Gly-NH ₂) Contains Cys ¹ -Cys ⁶ disulfide bond. Lyophilized white powder. Activity: ~500 I.U./mg C ₄₃ H ₆₈ N ₁₂ O ₁₂ S ₂ MW 1007.2	500IU 47.70 1000IU 84.50 5000IU 351.85

Neuroscience

One call. One source.
A world of biomedical products.

2105 To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872



CATALOG
NUMBER

Neuroscience Products

CATALOG
NUMBER

U.S. \$

152959 -20-0°C	[Thr⁴, Gly⁷]-OXYTOCIN	0.5 mg	20.00
	[60786-59-6]	1 mg	31.70
	(Cys-Tyr-Ile-Thr-Asn-Cys-Gly-Leu-Gly-NH ₂) Contains disulfide bond between Cys ¹ and Cys ⁵ . A selective oxytocin agonist. Ref: Lowbridge, J., et al., <i>J. Med. Chem.</i> , 20 , 120 (1977). C ₃₈ H ₆₁ N ₁₁ O ₁₂ S ₂ MW 940.1	5 mg	138.00

190261 RT	PAPAVERINE	5 g	13.40
	[61-25-6]	25 g	41.75
	(6,7-Dimethoxy-1-veratryloquinoline) Hydrochloride Crystalline Purity: ~99% Phosphodiesterase inhibitor C ₂₀ H ₂₁ NO ₄ • HCl MW 375.9	100 g	117.50

-P-

692461 0-5°C	p53 ONCOPROTEIN	0.25 ml	242.55
	POLYCLONAL ANTIBODY Anti-Human p53 Host: rabbit Form: purified antiserum Conc/Titer: 1:50-1:100 Applications: immunoprecipitation; immunohistology; frozen and paraffin-embedded sections This antibody reacts with wild type and most mutant forms of p53.		

195366 0°C	PARGYLINE	500 mg	16.15
	[306-07-0]	1 g	27.30
	(N-Methyl-N-propargylbenzylamine; N-Methyl-N- α -propnylbenzylamine) Hydrochloride Crystalline Purity: 99% Inhibits MAO. Potential for treating hypertension. Not for use in humans. C ₁₁ H ₁₃ N • HCl MW 195.7	5 g	115.70

193532 0-5°C	PACLITAXEL	1 mg	13.65
	[33069-62-4]	5 mg	43.80
	(Taxol®)	25 mg	156.50
	From the Pacific Yew Tree <i>Taxus brevifolia</i> Antitumor agent which lowers the critical concentration for tubulin polymerization and reversibly binds to tubulin prohibiting depolymerization. Purity: >98% C ₄₇ H ₅₁ NO ₁₄ MW 853.9	100 mg	425.00

159988 -20°C	PARTHENOLIDE	25 mg	61.85
	[20554-84-1]	50 mg	98.15
	Purity: 97% Demonstrates anti-inflammatory, anti-secretory, and spasmolytic activity. Sesquiterpene lactone from <i>Chrysanthemum parthenium</i> used as a herbal remedy for migraine headaches and arthritis. Ref.: 1. Barsby, R.W., et al., <i>J. Biol. Pharmacol.</i> , 44 , 737 (1992). 2. Sumner, H., et al., <i>Biochem. Pharmacol.</i> , 43 , 2313 (1992). C ₁₉ H ₂₆ O ₃ MW 248.3		

159644 0°C	7-O-PALMITOYLKADAIC ACID	25 μ g	258.00
	Purity: ~90-94% C ₆₀ H ₉₈ O ₁₄ MW 1043.4		

159989 -20°C	PATULIN	2 mg	43.00
	[149-29-1]	5 mg	77.00
	A mycotoxin which blocks the farnesylation of proteins in a cell free assay. It inhibits the incorporation of ³ H-mevalonate into proteins found in complete cells. Ref.: Miura, S., et al., <i>FEBS Lett.</i> , 318 , 88 (1993). POSSIBLE CARCINOGEN! C ₇ H ₆ O ₄ MW 154.1	10 mg	122.00

158975 -20-0°C	N-PALMITOYL-D-SPHINGOSINE	1 mg	33.85
	[24696-26-2]	5 mg	137.20
	(N-Hexadecanoyl-D-sphingosine; C ₁₆ ceramide; palmitoyl ceramide)	25 mg	613.40
	Purity: 98% Stimulates cytosolic serine/threonine protein phosphatase in T9 cells. Induces phosphorylation on Thr-669 in A-431 cells. Ref.: 1. Dobrowsky, R.T. and Hannum, Y.A., et al., <i>J. Biol. Chem.</i> , 267 , 5048 (1992). 2. Mathias, S., et al., <i>Proc. Natl. Acad. Sci. USA</i> , 88 , 10009 (1991). C ₃₄ H ₆₁ NO ₃ MW 537.9		

16013 0-5°C	N-PALMITOYL-D-SPHINGOSINE, (Palmitoyl-1-¹⁴C)	50 μ Ci	1211.55
	Sp. Act. 50-60 mCi/mmol 1.85-2.22 GBq/mmol Ethanol solution. <i>Please call for delivery information.</i> MW 537.9		
	PALMITYLETHANOLAMIDE	10 mg	57.35
159986 -20°C	Purity: 98% Negative control for anandamide. Ref.: Devane, W.A., et al., <i>Science</i> , 258 , 1946 (1992). MW 299.5	25 mg	120.40

158976 -20-0°C	PALYTOXIN	10 μ g	177.70
	[77734-91-9]	25 μ g	362.25
	Purity: 98% Non-peptide toxin from various species of <i>Palythoa</i> . Potently activates tetrodotoxin-insensitive Na ⁺ channels. Stimulates the release of catecholamine and the metabolism of arachidonic acid. It does not compete for the TPA receptor. Ref.: 1. Beress, L., et al., <i>Toxicology</i> , 21 , 285 (1983). 2. Muramatsu, I., et al., <i>J. Pharmacol. Exp. Ther.</i> , 231 , 488 (1984). 3. Nakanishi, A., et al., <i>Neurosci. Lett.</i> , 121 , 163 (1991). 4. Lazzaro, M., et al., <i>Endocrinology</i> , 120 , 1338 (1987). 5. Levine, L., et al., <i>Prostaglandins</i> , 31 , 669 (1986). C ₁₂₃ H ₁₂₃ N ₃ O ₅₄ MW 2677.4	50 μ g	700.20
	100 μ g	1216.30	

696002		50 μ g	299.00
696001		100 μ g	395.00

193944 -20°C	PAXILLINE	1 mg	33.05
	[57186-25-1]	5 mg	61.40
	From <i>Penicillium paxilli</i> This fungal mycotoxin possess potent excitatory action on acetylcholine release from nerve terminals. It specifically inhibits smooth muscle high conductance Ca ²⁺ -activated K ⁺ channels, as well as, enhances [¹²⁵ I]-charybotoxin binding to these channels. Ref.: Knaus, et al., <i>Biochemistry</i> , 33 , 5819 (1994). MW 435.6		

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999 1206
Outside the U.S.: (714) 545-0100, fax (714) 557-4872

www.icnbiomed.com
Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$
198594 RT	PCO-400 [121055-10-5] (-)-(3S,4R)-3,4-Dihydro-3-hydroxy-2,2-dimethyl-4-(3-oxo-cyclopent-1-enyl-2-oxo)-2H-1-benzopyran-6-carbonitrile Potassium channel opener. Purity: >95% C₁₇H₁₇NO₄ MW 299.3	20 mg 63.00 100 mg 229.70	159029 0°C	PERILLIC ACID [7694-45-3] Purity: 95% Inhibitor of isoprenylation of p21 ^{ras} and other small G proteins. Ref.: Crowell, P.L., et al., J. Biol. Chem., 266, 17679 (1991). MW 166.2	100 mg 35.60 500 mg 160.00
	193945 -20°C	PENITREM A [12627-35-9] (Tremortin A) From <i>Penicillium palitans</i> A tremorgenic fungal mycotoxin which increases GABA release and aspartate from cerebrocortical synaptosomes and acetylcholine in rat neuromuscular junction. Ref.: Wilson, et al., Brain Res., 40, 540 (1972). C₃H₄NO₃Cl MW 634.2		1 mg 27.70	158977 0-5°C
156107 RT		PENTOXIFYLLINE [6493-05-6] (Trental) Phosphodiesterase inhibitor. Also blocks synthesis of Tumor Necrosis Factor- α . C₁₃H₁₃N₃O₃ MW 278.3	10 g 19.75 100 g 134.85 250 g 295.80	196033 -20°C	
	153552 RT	PENTYLENETETRAZOLE [54-95-5] (Metrazole; 6,7,8,9-Tetrahydro-5H-tetrazolo-[1,5-a]azepine) C₈H₁₀N₄ MW 138.2	1 g 10.90 5 g 32.55		150014 0°C
159191 RT		α-PENTYL-3-(2-QUINOLINYL-METHOXY)BENZENEMETHANOL (REV-5901) Purity: 98% Leukotriene D ₄ antagonist and 5-lipoxygenase inhibitor. Ref.: 1. VanNwegen, R.G., et al., J. Pharmacol. Exp. Ther., 241, 117 (1987). 2. Coultis, S.M., et al., in Prostaglandins Leukotrienes and Lipoxins (Plenum, NY) (1985), p.626. 3. Kusner, E.J., et al., Biochem. Pharmacol., 38, 4283 (1989). 335.4	10 mg 63.05 25 mg 137.60 50 mg 258.00	152296 0°C	
	159192 RT	α-PENTYL-4-(2-QUINOLINYL-METHOXY)BENZENEMETHANOL (L-655,238 CREV 5901, para isomer) Purity: 98% Specifically and strongly blocks 5-LO-activating protein (FLAP). Ref.: Evans, J.F., et al., Mol. Pharmacol., 40, 22 (1991).	10 mg 74.55 25 mg 172.00 50 mg 315.30		159035 0-5°C
195368 -20°C		PEPSTATIN A [26305-03-3] (Isoval-Val-Val-Sta-Ala-Sta) Sta = statine = (3S,4S)-4-amino-3-hydroxy-6-methylheptanoic acid. Synthetic Inhibitor for pepsin, renin, cathepsin D, and other acid proteases. Ref.: 1. Umezawa, H., et al., J. Antibiot., 23, 259 (1970). 2. Lazar, J., et al., Biochem. Pharmac., 23, 2776 (1974). C₃₃H₆₃N₅O₉ MW 685.9	1 mg 11.45 5 mg 25.25 10 mg 47.10 25 mg 77.25 100 mg 256.00 250 mg 485.95	159034 0-5°C	
	151814 RT	PERHEXILINE [6724-53-4] (2-[2,2-Dicyclohexylethyl]piperidine) Maleate Salt A calcium blocking agent C₁₉H₃₃N • C₄H₄O₄ MW 393.6	1 g 21.25 5 g 70.40 10 g 139.60		

Neuroscience

One call. One source.
A world of biomedical products.

1207

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872



Neuroscience Products

CATALOG
NUMBER

U.S. \$

CATALOG
NUMBER

U.S. \$

153797 RT	PHACLOFEN [114012-12-3] (3-Amino-2-(4-chlorophenyl) propylphosphonic acid) Selective GABA _A antagonist. C ₉ H ₁₃ ClNO ₃ P MW 249.6	10 mg 191.60 15 mg 273.35 25 mg 433.80
	PHALLOIDIN [17466-45-4] From <i>Amanita phalloides</i> Purity: >95% Potently and specifically inhibits the conversion of F-actin to G-actin. Ref.: Cooper, J.A., <i>J. Biol. Chem.</i> , 105 , 1473 (1987). C ₂₃ H ₁₄ N ₆ O ₁₁ S MW 788.9	1 mg 206.35
	PHE-MET-ARG-D-PHE AMIDE [84413-35-4] Purity: 97% [D-Phe ¹]-Molluscan Cardioexcitatory Neuropeptide analog. Ref.: Mues, G., et al., <i>Life Sci.</i> , 31 , 2555 (1982). C ₂₃ H ₄₂ N ₆ O ₄ S MW 598.8	1 mg 28.65
159992 0°C	D-PHE-MET-ARG-PHE AMIDE [84313-42-8] Purity: 97% [D-Phe ¹]-Molluscan Cardioexcitatory Neuropeptide analog. Ref.: Mues, G., et al., <i>Life Sci.</i> , 31 , 2555 (1982). C ₂₃ H ₄₂ N ₆ O ₄ S MW 598.8	1 mg 26.65
	PHE-MET-ARG-PHE AMIDE [64190-70-1] (Molluscan Cardioexcitatory Neuropeptide) Ref.: 1. Price, D. and Greenberg, M.J., <i>Science</i> , 197 , 670 (1977). 2. Greenberg, M.J., et al., <i>Neuropeptides</i> , 1 , 309 (1981). C ₂₃ H ₄₂ N ₆ O ₄ S MW 598.8	0.5 mg 28.25 1 mg 42.70 5 mg 119.30
159807 0-5°C	PHENAMIL [2038-35-9] (3,5-Diamino-6-chloro-N-[imino(phenylamino) methyl]-pyrazinecarboxamide) An amiloride analog which irreversibly blocks amiloride-sensitive sodium channels. C ₁₂ H ₁₂ N ₂ OCl MW 305.7	1 mg 21.80 5 mg 87.15
	6(5H)-PHENANTHRIDINONE [1015-89-0] (PARP Inhibitor) Purity: >98% Displays immunosuppressive activity. Inhibits concanavalin A-induced lymphocyte proliferation at micromolar concentrations. MW 195.2	50 mg 23.10 200 mg 73.50
151821 0-5°C	PHENOXYBENZAMINE [63-92-3] (Benzeno methanamine) Hydrochloride Selective α-adrenergic blocking agent. Irreversible calmodulin inhibitor. C ₁₃ H ₂₂ N ₂ O • HCl MW 340.3	250 mg 161.40
153795 RT	PHENTOLAMINE MESYLATE [65-28-1] (REGITIN) (3-[[[4,5-Dihydro-1H-imidazol-2-yl] methyl]-(4-methylphenyl)- amino]phenol mesylate) C ₁₇ H ₁₉ N ₃ O • CH ₃ SO ₃ H MW 377.5	25 mg 13.00 50 mg 21.75 100 mg 39.80
	N⁶-PHENYLADENOSINE A ₁ adenosine receptor agonist C ₁₆ H ₁₇ N ₅ O ₄ MW 343.3	10 mg 45.55 15 mg 50.60 25 mg 65.10
	2-PHENYLAMINOADENOSINE [53296-10-9] A ₂ adenosine agonist C ₁₆ H ₁₉ N ₅ O ₄ MW 358.4	10 mg 70.00 15 mg 98.00 25 mg 157.00

193703 RT	N-PHENYLANTHRANILIC ACID [91-40-7] (Diphenylamine-2-carboxylic acid; DPC) A Cl ⁻ channel blocker. C ₁₇ H ₁₁ NO ₂ MW 213.2	500 mg 22.05 1 g 39.70
	1-PHENYLBIGUANIDE [102-02-3] (N-Phenyl-imidocarbonimidic diamide) 5-HT ₃ serotonin agonist C ₈ H ₁₁ N ₅ MW 177.2	250 mg 21.75 1 g 43.35
153568 RT	PHENYLBUTAZONE [50-33-9] (4-Butyl-1,2-diphenyl-3,5-pyrazolidinedione) C ₁₉ H ₂₀ N ₂ O ₂ MW 308.4	25 g 56.60 100 g 180.55
	cis-N-(2-PHENYLCYCLOPENTYL)- AZACYCLOTRIDEC-1-EN-2-AMINE [40297-09-4] (MDL-12330A) Hydrochloride Purity: >98% Inhibits adenylate cyclase. Ref.: Ferretti, M.E., et al., <i>Neurosci. Lett.</i> , 207 (3), 191-194 (1996). C ₂₃ H ₃₈ N ₂ MW 377.0	1 mg 10.50 5 mg 34.15 25 mg 131.50
153566 RT	trans-2-PHENYLCYCLOPROPYL- AMINE [95-62-5] (Tranlycypromine) Hydrochloride Monoamine Oxidase inhibitor C ₉ H ₁₁ N • HCl MW 169.7	250 mg 28.85 1 g 71.80
	trans-2-PHENYLCYCLOPROPYL- AMINE [13492-01-8] (Tranlycypromine) Hemisulfate Salt Monoamine Oxidase inhibitor C ₉ H ₁₁ N • 1/2H ₂ SO ₄ MW 182.2	1 g 16.10 5 g 80.00 25 g 395.20
156170 0-5°C	DL-threo-1-PHENYL-2-DECANOYL- AMINO-3-MORPHOLINO-1- PROPANOL (DL-PDMP) Purity: 98% Blocks the glucosylation of ceramide by inhibiting UDP-glucose: ceramide glucosyltransferase. Inhibits cell surface glycolipid antigen expression and the growth of rabbit skin cultures. Also, demonstrates antitumor activity. Ref.: 1. Vunnam, R.R. and Radin, N.R., <i>Chem. Phys. Lipid</i> , 26 , 265 (1980). 2. Inokuchi, J.-I., et al., <i>J. Cell Physiol.</i> , 141 , 573 (1989). 3. Uemura, K.-I., et al., <i>J.</i> <i>Biochem.</i> , 108 , 525 (1990). 4. Inokuchi, J.-I., et al., <i>Cancer Lett.</i> , 38 , 23 (1987).	10 mg 55.00 25 mg 131.90 50 mg 252.25
	L-PHENYLEPHRINE [61-76-7] Hydrochloride Purity: 99% α ₁ -adrenergic agonist C ₉ H ₁₃ NO ₂ • HCl MW 203.7	1 g 11.20 5 g 17.80 10 g 28.15 25 g 54.40 50 g 88.35 100 g 152.75
153793 0-5°C	N⁶-(2-PHENYLETHYL)- ADENOSINE [20125-39-7] A ₁ adenosine receptor agonist C ₁₈ H ₂₂ N ₅ O ₄ MW 371.4	10 mg 45.55 15 mg 65.10 25 mg 101.25
	PHENYLETHYL CAFFEATE [104594-70-9] (Phenethyl caffeate) A cytotoxic agent to cancer cell lines. Acts as an inhibitor of protein tyrosine kinase and ornithine decarboxylase. Ref.: Rao, C.V., et al., <i>Chem. Biol.</i> <i>Interactions</i> , 84 , 277-90 (1992). C ₁₇ H ₁₉ O ₄ MW 284.3	10 mg 19.85 25 mg 36.40 50 mg 51.80 100 mg 71.65

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999 1208
Outside the U.S.: (714) 545-0100, fax (714) 557-4872

www.icnbiomed.com
Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$		
193776 0-5°C	PHENYLETHYL DIMETHYL CAFFEATE [14551-14-0] (Phenethyl dimethyl caffeate) Inhibitor of protein tyrosine kinase and ornithine decarboxylase. Ref.: Rao, C.V., et al., <i>Chem. Biol. Interactions</i> , 84 , 277-90 (1992). C ₁₉ H ₂₀ O ₄ MW 312.4	10 mg	18.75	159996 -20°C	S-[N-(3-PHENYLPROPYL)-THIOCARBAMOYL]-L-CYSTEINE [137915-13-0] Purity: 98% Glutathione S-transferase inducer and chemical carcinogenesis inhibitor. Ref.: Zheng, G.-Q., et al., <i>J. Med. Chem.</i> , 35 , 185 (1992). C ₁₃ H ₁₈ N ₂ O ₂ S ₂ MW 298.4	50 mg	66.65
		25 mg	35.30			100 mg	100.20
		50 mg	47.40			500 mg	421.20
		100 mg	60.65				
	N-(6-PHENYLHEXYL)-5-CHLORO-1-NAPHTHALENE-SULFONAMIDE See: 5-Chloro-N-(6-phenylhexyl)-1-naphthalenesulfonamide						
153784 0-5°C	R-(-)-N⁶-(2-PHENYL-ISOPROPYL)ADENOSINE [38594-96-6] (R)-(-)-PIA A ₁ adenosine receptor agonist C ₁₉ H ₂₃ N ₅ O ₄ MW 385.4	10 mg	38.35	151846 RT	8-PHENYLTHEOPHYLLINE [961-45-5] Crystalline A potent antagonist of adenosine-mediated accumulation of cAMP in a human fibroblast cell line. Ref.: <i>Life Sci.</i> , 24 , 2475 (1979). C ₁₃ H ₁₃ N ₃ O ₂ MW 256.3	25 mg	53.00
		15 mg	54.70			100 mg	125.90
		25 mg	86.75			500 mg	254.05
153783 0-5°C	S-(+)-N⁶-(2-PHENYL-ISOPROPYL)ADENOSINE [38594-97-7] C ₁₉ H ₂₃ N ₅ O ₄ MW 385.4	10 mg	38.35	156206 RT	1-PHENYL-3-(2-THIAZOLYL)-2-THIOUREA [14901-16-7] Crystalline A dopamine β-hydroxylase inhibitor. Ref.: <i>J. Pharmacol. Exp. Ther.</i> , 171 , 80 (1970). C ₁₀ H ₉ N ₃ S ₂ MW 235.3	25 mg	53.00
		15 mg	54.70			1 g	73.60
		25 mg	86.75				
151838 RT	L-β-PHENYLACTIC ACID [20312-36-1] (L-2-Hydroxy-3-phenylpropanoic acid) Crystalline Enzyme inhibitor C ₉ H ₁₀ O ₃ MW 166.2	500 mg	14.35	159194 -20°C	17-PHENYL-TRINOR-PROSTAGLANDIN E₂ [38315-43-4] Purity: 98% Specific agonist for EP ₁ . Ref.: Watson, S. and Abbott, A., <i>Trends Pharmacol. Sci.</i> , 12 , suppl. 24 (1991). MW 386.5	1 mg	68.75
		1 g	26.20			5 mg	315.30
		5 g	115.10				
193704 RT	2-PHENYLMELATONIN A melatonin antagonist. C ₁₉ H ₂₀ N ₂ O ₂ MW 308.4	5 mg	56.20	153165 -20-0°C	PHE-SER-TRP-GLY-ALA-GLU-GLY-GLN-ARG [29705-92-8] (Experimental Allergic Encephalogenic Peptide) This peptide is the active fragment of myelin basic protein. It causes experimental allergic encephalomyelitis (an inflammatory demyelinating disease of the CNS) via a cell-mediated immune response. Ref.: 1. Shapira, R., et al., <i>Science</i> , 78 , 736 (1971). 2. Westall, F.C., et al., <i>Nature</i> , 229 , 22 (1971). MW 1037.1	0.25 mg	37.90
		25 mg	224.90			0.5 mg	57.80
195381 0-5°C	PHENYLMETHYLSULFONYL FLUORIDE [329-98-6] (PMSF; Phenylmethanesulfonyl fluoride; α-toluenesulfonyl fluoride) Crystalline Purity: 99% Protease inhibitor. A relatively safe substitute for toxic di-isopropylfluorophosphate. Inhibits mammalian acetyl cholinesterase, but not those from fish sources. Ref.: 1. Fahrney, D.E. and Gold, A.M., <i>J. Am. Chem. Soc.</i> , 85 , 997 (1963); 2. Moss, D.E. and Fahrney, D.E., <i>Biochem. Pharmacology</i> , 27 , 2693 (1978); 3. Turini, P., et al., <i>J. Pharmacol. Exp. Ther.</i> , 167 , 98 (1969). C ₇ H ₇ FO ₂ S MW 174.2	250 mg	11.60			1 mg	89.30
		1 g	16.90				
		5 g	41.50				
		25 g	127.85				
159995 RT	4-PHENYL-1-(4-PHENYL-BUTYL)PIPERIDINE Maleate Salt Purity: 98% Sigma ligand. Ref.: Glennon, R.A., et al., <i>J. Med. Chem.</i> , 34 , 3360 (1991). MW 409.5	5 mg	47.55	151849 0°C	PHORBOL [17673-25-5] (4β,9α,12β,13α,20-Pentahydroxy-tigla-1,6-dien-3-one) White powder This is the parent diterpene, and may be used as starting material for preparing derivatives and as a control compound. POSSIBLE CARCINOGEN! C ₂₂ H ₃₈ O ₆ MW 364.4	1 mg	24.80
		10 mg	76.85			5 mg	121.80
		25 mg	166.80			10 mg	218.90
153785 0-5°C	3-PHENYLPROPARGYLAMINE Hydrochloride Dopamine β-hydroxylase inhibitor C ₈ H ₉ N • HCl MW 167.6	25 mg	47.05	151851 0°C	4-α-PHORBOL [26241-63-4] (4-α-PHR) White powder The C ₄ epimer of phorbol. Useful as negative control since it is neither inflammatory nor tumor-promoting. POSSIBLE CARCINOGEN! C ₂₀ H ₃₀ O ₆ MW 364.4	1 mg	25.60
		50 mg	94.00			5 mg	123.05
		100 mg	187.95			10 mg	204.95
193779 0-5°C	3-PHENYLPROPYL ISOTHIOCYANATE [2627-27-2] A synthetic compound which induces Phase II detoxifying enzymes and inhibits chemically induced carcinogenesis. Ref.: Wilkinson, J.T., et al., <i>Carcinogenesis</i> , 16 , 1011-15 (1995). C ₁₀ H ₁₁ NS MW 177.3	500 mg	19.85	151852 0°C	PHORBOL-12-BUTYRATE POSSIBLE CARCINOGEN! C ₂₄ H ₃₄ O ₇ MW 434.5	1 mg	126.85
		1 g	27.55			5 mg	538.45
		5 g	104.75			10 mg	1020.00

Neuroscience

One call. One source.
A world of biomedical products.

1209

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872



CATALOG
NUMBER

Neuroscience Products

CATALOG
NUMBER

U.S. \$

CATALOG NUMBER	U.S. \$
151853 0°C	PHORBOL-13-BUTYRATE [100929-94-0] Liquid in ampoule <i>POSSIBLE CARCINOGEN!</i> C ₂₂ H ₃₄ O ₇ MW 434.5
	1 mg 43.50 5 mg 125.15 10 mg 205.55
151854 0°C	PHORBOL-12-DECANOATE [76423-68-2] Liquid in ampoule <i>POSSIBLE CARCINOGEN!</i> C ₃₀ H ₄₆ O ₇ MW 518.7
	1 mg 45.00 5 mg 178.60 10 mg 321.60
151855 0°C	PHORBOL-13-DECANOATE [76423-69-3] Liquid in ampoule <i>POSSIBLE CARCINOGEN!</i> C ₃₀ H ₄₆ O ₇ MW 518.7
	1 mg 51.65 5 mg 178.60 10 mg 321.60
151856 0°C	PHORBOL-12,13-DIACETATE [24928-15-2] Off-white powder Weak tumor promoter, weakly inflammatory. <i>POSSIBLE CARCINOGEN!</i> C ₂₂ H ₃₂ O ₈ MW 448.5
	1 mg 36.05 5 mg 141.00 10 mg 232.55
151857 0°C	PHORBOL-13,20-DIACETATE [41621-85-6] White powder Intermediate for preparing phorbol diesters. <i>POSSIBLE CARCINOGEN!</i> C ₂₂ H ₃₂ O ₈ MW 448.5
	1 mg 91.50 5 mg 304.90 10 mg 510.30
159647 0°C	4α-PHORBOL-12,13-DIACETATE [56144-62-8] Purity: 99% Useful as a negative control for phorbol-12,13-diacetate. <i>POSSIBLE CARCINOGEN!</i> C ₂₂ H ₃₂ O ₈ MW 448.5
	1 mg 44.55 5 mg 182.10
26042 0-5°C	PHORBOL-12,13-DIACETATE [20-³H(N)] (³ H-PDA) Sp. Act. 10-20 Ci/mmol 370-740 GBq/mmol Ethanol solution. Please call for delivery information. MW 448.5
	50 μCi 241.35 250 μCi 568.80 1 mCi 1332.80
151858 0°C	PHORBOL-12,13-DIBENZOATE [25405-85-0] Off-white powder Moderately inflammatory, weak tumor promoter. <i>POSSIBLE CARCINOGEN!</i>
	1 mg 45.65 5 mg 120.75 10 mg 200.45
151859 0°C	PHORBOL-12,13-DIBUTYRATE [37558-16-0] White powder Moderate tumor promoter <i>POSSIBLE CARCINOGEN!</i> C ₂₈ H ₄₀ O ₈ MW 504.6
	1 mg 38.10 5 mg 98.50 10 mg 187.15
158980 -20-0°C	4α-PHORBOL 12,13-DIBUTYRATE [93781-54-5] Purity: 99% <i>POSSIBLE CARCINOGEN!</i> C ₂₈ H ₄₀ O ₈ MW 504.6
	1 mg 72.05 5 mg 327.00
26043 0-5°C	PHORBOL-12,13-DIBUTYRATE [20-³H(N)] (³ H-PDBu) Sp. Act. 15-30 Ci/mmol 0.555-1.11 TBq/mmol Ethanol solution. Please call for delivery information. MW 504.6
	50 μCi 241.35 250 μCi 556.65 1 mCi 1332.80
151860 0°C	PHORBOL-12,13-DIDECANOATE [24928-17-4] Highly inflammatory Potent tumor promoter <i>POSSIBLE CARCINOGEN!</i> C ₄₀ H ₅₆ O ₈ MW 672.9
	1 mg 80.50 5 mg 227.70 10 mg 410.55

CATALOG NUMBER	U.S. \$
151861 0°C	4-α-PHORBOL-12,13-DIDECANOATE [27536-56-7] Standard negative control for phorbol-12,13-didecanoate <i>POSSIBLE CARCINOGEN!</i> C ₄₀ H ₅₆ O ₈ MW 672.9
	1 mg 86.75 5 mg 374.55 10 mg 656.40
158981 -20-0°C	PHORBOL-12,13-DIHEXANOATE [37558-17-1] Purity: 99% <i>POSSIBLE CARCINOGEN!</i> MW 560.8
	1 mg 154.45
156221 0°C	PHORBOL 16-HYDROXY 12-PALMITATE 13-ACETATE [53202-98-5] <i>POSSIBLE CARCINOGEN!</i> C ₃₉ H ₅₆ O ₈ MW 660.9
	1 mg 120.40 5 mg 504.90
159651 0°C	PHORBOL-20-METHOXYTRITYL ETHER [115905-52-7] Purity: ~96-98% Intermediate used in the synthesis of phorbol derivatives. <i>POSSIBLE CARCINOGEN!</i> C ₄₀ H ₄₄ O ₇ MW 636.8
	5 mg 35.95 25 mg 84.90 100 mg 284.80
156222 0°C	PHORBOL 12-MONOACETATE [70470-59-6] <i>POSSIBLE CARCINOGEN!</i> C ₂₂ H ₃₂ O ₇ MW 406.5
	1 mg 50.60 5 mg 384.55 10 mg 656.50
156223 0°C	PHORBOL 13-MONOACETATE [32752-29-7] Off-white powder. <i>POSSIBLE CARCINOGEN!</i> C ₂₂ H ₃₂ O ₇ MW 406.5
	1 mg 117.55 5 mg 298.85 10 mg 510.00
151862 0°C	PHORBOL-12-MONOMYRISTATE [20839-06-9] Not inflammatory <i>POSSIBLE CARCINOGEN!</i> C ₃₄ H ₄₄ O ₇ MW 574.8
	1 mg 64.20 5 mg 292.15 10 mg 582.30
151863 0°C	PHORBOL-13-MONOMYRISTATE <i>POSSIBLE CARCINOGEN!</i> C ₃₄ H ₄₄ O ₇ MW 574.8
	1 mg 168.65 5 mg 567.60 10 mg 946.00
26044 0-5°C	PHORBOL-12 MYRISTATE 13-ACETATE [20-³H(N)] (³ H-PMA) Sp. Act. 15-30 Ci/mmol 0.555-1.11 TBq/mmol Ethanol solution. Please call for delivery information. MW 616.8
	50 μCi 241.35 250 μCi 556.65 1 mCi 1332.80
151864 0°C	PHORBOL-12-MYRISTATE-13-ACETATE [16561-29-8] (PMA) Very potent tumor promoter Highly inflammatory <i>POSSIBLE CARCINOGEN!</i> C ₃₈ H ₅₀ O ₈ MW 616.8
	1 mg 36.10 5 mg 130.50 10 mg 250.55 25 mg 625.25
158982 -20-0°C	4α-PHORBOL 12-MYRISTATE 13-ACETATE [63597-44-4] Purity: 99% <i>POSSIBLE CARCINOGEN!</i> C ₃₈ H ₅₀ O ₈ MW 616.8
	1 mg 108.15 5 mg 334.00
151866 0°C	PHORBOL-12-RETINOATE-13-ACETATE [80188-99-4] Yellow powder <i>POSSIBLE CARCINOGEN!</i> C ₄₂ H ₅₆ O ₉ MW 688.9
	1 mg 49.20 5 mg 144.00 10 mg 286.45
151867 0°C	PHORBOL-12-TIGLIATE-13-DECANOATE [59086-92-9] <i>POSSIBLE CARCINOGEN!</i> C ₃₉ H ₅₂ O ₈ MW 600.8
	1 mg 80.55 5 mg 181.60 10 mg 292.95

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999 1210
Outside the U.S.: (714) 545-0100, fax (714) 557-4872

www.icnbiomed.com
Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$
151868	PHORBOL-12,13,20-TRIACETATE [19891-05-5] White powder POSSIBLE CARCINOGEN! C ₂₈ H ₃₄ O ₉ MW 490.5	1 mg 42.55 5 mg 123.20 10 mg 204.90	159998	PHOSPHODIESTERASE [9040-59-9] (3',5'-cyclic-Nucleotide phosphodiesterase; Phosphodiesterase 3',5'-cyclic-nucleotide; E.C. 3.1.4.17) From Bovine Brain Activity: 1-5 units/mg protein. Unit Definition: one unit will hydrolyze one μmole 3',5'-cAMP to 5'-cAMP per minute at pH 7.5, 30°C.	0.25 U 207.55 1 U 527.40
156226	D-α-PHOSPHATIDYLCHOLINE-β-ACETYL-γ-O-HEXADECYL [117985-57-6] (3-O-Hexadecyl-2-O-acetyl-sn-glycero-1-phosphorylcholine; Enantio-PAF C-16) Synthetic Purity: 98% C ₂₈ H ₅₄ NO ₈ P MW 523.7	0.5 mg 148.20 1 mg 247.10 5 mg 827.90	100978	PHOSPHODIESTERASE I [9025-82-5] <i>From Crotalus Adamanteus</i> Lyophilized in vials containing approximately 5 mg dry wt. and at least 100 units/vial (20-40 units/mg dry wt.) Unit Definition: One unit hydrolyzes 1 μmole of p-nitrophenyl thymidine-5-phosphate per minute at pH 8.9 and 25°C.	100 U 108.20
156229	L-α-PHOSPHATIDYLCHOLINE-β-ACETYL-γ-O-(OCTADEC-9-cis-ENYL) [85966-90-1] (Dehydro-PAF[C ₁₈]) Synthetic Purity: 99% Yellow semi-solid. C ₂₈ H ₅₀ NO ₈ P MW 549.7	1 mg 44.75 5 mg 179.55 10 mg 324.30	100977	PHOSPHODIESTERASE II [9068-54-6] <i>From Bovine Spleen</i> Lyophilized in vials from 0.001 M sodium pyrophosphate, 10-15 units/vial. Unit Definition: One unit is defined as a change in absorbancy of 0.2 at A ₂₆₀ at 37°C, pH 6.5 with an RNA substrate.	1 vial 125.70
159196	L-α-PHOSPHATIDYLCHOLINE-β-ACETYL-γ-O-OCTADECYL [79549-26-1] (Platelet Activating Factor C-18; 1-O-Octadecyl-2-O-acetyl-sn-glycero-3-phosphocholine) Purity: 99% Platelet activating factor C ₂₈ H ₅₀ NO ₈ P MW 551.7	5 mg 98.60 10 mg 177.70 25 mg 355.40	195707	PHOSPHOENOLPYRUVIC ACID [4265-07-0] (2-[Phosphonoxy]-2-propenoic Acid; PEP) Monopotassium Salt C ₃ H ₄ O ₆ PK MW 206.1	25 mg 11.00 100 mg 32.80 250 mg 66.95 1 g 236.25
159195	L-α-PHOSPHATIDYLCHOLINE-β-ARACHIDONYL-γ-O-HEXADECYL [86288-11-1] (1-O-Hexadecyl-2-O-arachidonoyl-sn-glycero-3-phosphorylcholine) Purity: 98% Platelet activating factor precursor in the lipid remodeling pathway. Ref.: Chilton, F.H., et al., J. Biol. Chem., 259, 12014 (1984). C ₄₄ H ₈₀ NO ₈ P MW 768.2	1 mg 51.60 5 mg 235.05 10 mg 447.20	195708	PHOSPHOENOLPYRUVIC ACID [53823-68-0] (2-[Phosphonoxy]-2-propenoic Acid; PEP) Monosodium Salt Hydrate C ₃ H ₄ O ₆ PNa MW 190.0	25 mg 11.00 100 mg 38.75 250 mg 80.20 1 g 282.75
156230	DL-α-PHOSPHATIDYLCHOLINE, DILAUROYL [18656-40-1] (1,2-Didodecanoyl-rac-glycero-3-phosphocholine) Purity: 99% C ₃₂ H ₆₀ NO ₈ P MW 621.8	25 mg 19.65 100 mg 66.80 500 mg 324.00	151872	PHOSPHOENOLPYRUVIC ACID [5541-93-5] Trisodium Salt Crystalline Monohydrate (PEP) PEP is the primary driving force in many kinase reactions. When coupled with pyruvate kinase, it completes an ATP-regenerating system. C ₃ H ₂ O ₆ PNa ₃ • H ₂ O MW 252	25 mg 10.35 100 mg 14.40 250 mg 26.55 500 mg 50.40 1 g 89.20 5 g 355.60
16014	PHOSPHATIDYLCHOLINE-L-α-DIPALMITOYL, [2-Palmitoyl-1-¹⁴C] Sp. Act. 40-60 mCi/mmol 1.48-2.22 GBq/mmol Ethanol:toluene (1:1). <i>Please call for delivery information.</i> MW 734.0	10 μCi 702.20 50 μCi 1939.20	195684	PHOSPHOLIPASE A₂ [9001-84-7] (PLA ₂ ; Phosphatidylcholine 2-Acylhydrolase) <i>From Apis mellifera</i> EC 3.1.1.4 Lyophilized Activity: 600-1800 units/mg protein Unit Definition: one unit will hydrolyze 1 μmol of soybean L-α-phosphatidylcholine to L-α-lysophosphatidylcholine and fatty acid per minute at pH 8.9, 25°C.	500 μg 49.85 1 mg 73.50
156232	L-α-PHOSPHATIDYLCHOLINE-β-(PYREN-1-YL)HEXANOYL-γ-PALMITOYL [103625-33-8] C ₄₈ H ₈₈ NO ₈ P MW 794	0.1 mg 74.75 0.5 mg 283.00 1 mg 506.35	159893	PHOSPHATIDYLETHANOL (1-Palmitoyl-2-oleoyl-sn-glycero-3-phosphoethanol) Purity: 98% Used as a chromatographic standard to assay PLD activity in intact cells via the conversion of phosphatidylcholine to phosphatidylethanol by phospholipase D in the presence of ethanol. Ref.: 1. Kobayashi, M. and Kanfer, J.N., J. Neurochem., 48, 1597 (1987). 2. Gustavsson, L. and Alling, C., Biochem. Biophys. Res. Commun., 142, 958 (1987). 3. Liscovitch, M., J. Biol. Chem., 264, 1450 (1989). 4. Pai, J.-K., et al., <i>ibid.</i> , 263, 12472 (1988). MW 703	10 mg 77.40 25 mg 184.30 50 mg 367.40

Neuroscience

One call. One source.
A world of biomedical products.

1211

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872



Neuroscience Products

CATALOG
NUMBER

U.S. \$

CATALOG
NUMBER

U.S. \$

151873 0-5°C	PHOSPHOLIPASE A₂ [9001-84-7] (Lecithinase-A; Phosphatide-2-acylhydrolase) From: Porcine pancreas E.C.3.1.1.4 Unit Definition: One unit hydrolyzes 1.0 μmole of L-α-phosphatidyl choline to L-α-lysophosphatidyl choline and a fatty acid per minute at a reaction time of 5-10 minutes, pH 8.0 at 40°C. Supplied as a pale yellow lyophilized powder. Specific Activity: Minimum 100 IU/mg. Our phospholipase A ₂ is heat stable with an isoelectric point of pH 6.3. Ref.: Van Deenan, L.L.M., de Haas, G.H., Biochim. Biophys. Acta, 70 , 538-553 (1963).	5 mg 25 mg	196.40 457.00	159833 0°C	PHOSPHOLIPASE C, PHOSPHATIDYLINOSITOL-SPECIFIC (PIPLC) Recombinant From <i>B. subtilis</i> . This phosphatidylinositol-specific phospholipase C is a recombinant product isolated from <i>B. subtilis</i> transfected with the PIPLC gene from <i>B. thuringiensis</i> . It is very stable and demonstrates broad specificity, making it useful for the detection of glycosyl-phosphatidylinositol membrane anchors, antibody production, and structure-function studies. Activity: >500 U/mg protein. Unit Definition: One unit will hydrolyze 1 μmole of phosphatidylinositol per minute at pH 7.5 and 37 °C. Ref.: Low, M.G., et al., J. Immunol. Methods, 113 , 101 (1988)	5 U	183.45
159653 0°C	PHOSPHOLIPASE A₂ ACTIVATING PEPTIDE Glu-Ser-Pro-Leu-Ile-Ala-Lys-Val-Leu-Thr-Thr-Glu-Pro-Pro-Ile-Ile-Thr-Pro-Val-Arg-Arg This peptide fragment has been shown to activate Phospholipase A ₂ . The amino acid sequence shows similarity to melittin. Ref.: Clark, M.A., et al., Proc. Nat. Acad. Sci. USA, 88 , 5418 (1991). MW 2330.8	100 μg	91.70	195685 -20°C	PHOSPHOLIPASE C, PHOSPHATIDYLINOSITOL-SPECIFIC [9001-86-9] (PIPLC) From <i>Bacillus cereus</i> EC 3.1.4.10 Purity: >95% by SDS-PAGE Activity: 600 units/mg protein Unit Definition: one unit will liberate 4 units of glycosyl-PI-anchored acetylcholinesterase per minute at pH 7.4, 37°C. May be used to release phosphatidylinositol (PI)-linked proteins from membranes. Supplied in 50 mM TEA, pH 7.5, 10 mM EDTA, 10 mM NaNa.	5 U	236.25
695001 -20°C	PHOSPHOLIPASE C, MONOCLONAL ANTIBODY (PLC _β) Anti-Bovine Clone: PLC 3 10 Isotype: purified IgG Conc/Titer: 1:1,000 Applications: ELISA; Immunoblotting PLC _β hydrolyzes phosphatidyl inositol-4-5 biphosphate and diacylglycerol, ¹ the former acting as a second messenger in calcium signaling and the latter becoming an activator of protein Kinase C. A synthetic peptide corresponding to positions 1040-1057 of the bovine brain enzyme was used as the immunogen. It is supplied at a concentration of 1 mg/ml in 40% glycerol, 20 mM sodium phosphate, pH 7.5, 150 mM NaCl & 3 mM NaNa. Ref.: 1. Rhee, S.G., et al., Science 244 , 546 (1989). 2. Nishibe, et al., J. Biol. Chem. 264 , 10335 (1990).	100 μg	416.75	195686 -20°C	PHOSPHOLIPASE D [9001-87-0] (Phosphatidylcholine Phosphatidohydrolase) From <i>Streptomyces sp.</i> EC 3.1.4.4 Activity: 24,000 units/mg protein Unit Definition: one unit will liberate 1 μmol of choline from L-α-phosphatidylcholine per hour at pH 5.6, 37°C. Also active on other phosphatidyl esters and sphingomyelins.	1 KU 10 KU	29.40 266.50
152354 0°C	PHOSPHOLIPASE C, PHOSPHATIDYLINOSITOL-SPECIFIC (PIPLC) From <i>Bacillus thuringiensis</i> . This phosphatidylinositol-specific phospholipase C is a phospholipid degradation enzyme which cleaves PI into diglyceride and myo-inositol-cyclic-1,2-phosphate. PIPLC does not act on phosphatidylcholine, phosphatidylethanolamine, phosphatidylglycerol, or sphingomyelin. PIPLC has an optimum pH range of 7.0-8.5, and performs well at temperatures of 30°C to 50°C. Unit Definition: One unit cleaves 1.0 μmole of phosphatidylinositol per minute into myo-inositol phosphate ester (determined after conversion to inorganic phosphate) at pH 7.5 and 37°C.	5 U	237.95	151876 0-5°C	PHOSPHOMYCIN [26016-99-9] Disodium Salt Antibiotic C ₂₃ H ₃₄ N ₂ O ₄ PNa ₂ MW 182	1 g 5 g 10 g	12.85 38.90 64.85
				152851 -20-0°C	PHOSPHORAMIDON [119942-99-3] (N-(α-Rhamnopyranosyl-oxhydroxyphosphoryl)-L-Leu-Trp) Microbial Source Sodium Salt Inhibitor for thermolysin and collagenase. Ref: Suda, H., et al., J. Antibiot., 26 , 621 (1963). C ₂₃ H ₃₄ N ₃ O ₁₀ PNa ₂ MW 588.5	0.5 mg 1 mg 5 mg	20.85 33.70 115.90
				159598 -20°C	PHOSPHORYLASE KINASE [9001-88-1] (Dephosphophosphorylase Kinase; ATP-phosphorylase b Phosphotransferase) EC 2.7.1.38 From Rabbit Muscle Lyophilized Activity: ~200-500 units/mg protein Unit Definition: one unit will form 1 μmol of phosphorylase-a from phosphorylase-b per minute at pH 7.7, 30°C in the presence of ATP.	250 U 1 KU	26.25 98.40

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872

1212

www.icnbiomed.com
Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$
691371	PHOSPHOTYROSINE <i>MONOCLONAL ANTIBODY</i> 0-5°C Clone: PY20 Isotype: mouse IgG _{2b} Conc/Titer: 1 mg/ml Applications: Immunoblotting; ELISA; Immunohistology; Immunoprecipitation	100 µg 280.70	151892	PILOCARPINE [54-71-7] Hydrochloride Crystalline Parasympathomimetic C ₁₁ H ₁₈ N ₂ O ₂ • HCl MW 244.7	1 g 17.75 5 g 61.60 10 g 101.90
691381	PHOSPHOTYROSINE <i>MONOCLONAL ANTIBODY</i> 0-5°C Clone: PY69 Isotype: mouse IgG _{2a} Conc/Titer: 1 mg/ml Applications: Immunoblotting; ELISA; Immunohistology; Immunoprecipitation	100 µg 412.75	151893	PILOCARPINE [148-72-1] Nitrate Crystalline C ₁₁ H ₁₈ N ₂ O ₂ • HNO ₃ MW 271.3	1 g 16.70 5 g 55.70 10 g 90.60
691501	PHOSPHOTYROSINE <i>MONOCLONAL ANTIBODY</i> -20°C Anti-Phosphotyrosine Clone: PY20 Isotype: mouse IgG _{2b} Applications: Immunoassay. Biotinylated This antibody is the same as ICN Code No. 69-137-1 that has been conjugated with biotin. Conc/Titer: 1:6,000	100 µg 366.60	153787	PIMOZIDE [2062-78-4] (1-[1-[4,4-Bis(4-fluorophenyl)butyl]-4-piperidin-yl]-1,3-dihydro-2H-benzimidazol-2-one) Calcium channel antagonist C ₂₈ H ₂₈ F ₂ N ₃ O MW 461.6	25 mg 14.45 50 mg 23.95 100 mg 43.35
691531	PHOSPHOTYROSINE <i>MONOCLONAL ANTIBODY</i> -20°C Anti-Phosphotyrosine Clone: PY20 Isotype: mouse IgG _{2b} Applications: Immunoassay. FITC Conjugated This antibody is the same as ICN Code No. 69-137-1 that has been conjugated with fluorescein isothiocyanate. Conc/Titer: 1:1,000	50 µg 325.50	159808	PINACIDIL [85371-64-8] Antihypertensive and potassium channel activator. C ₁₃ H ₁₉ N ₅ MW 245.3	5 mg 13.75 25 mg 43.50 100 mg 160.55
691511	PHOSPHOTYROSINE <i>MONOCLONAL ANTIBODY</i> -20°C Anti-Phosphotyrosine Clone: PY20 Isotype: mouse IgG _{2b} Applications: Immunoassay. HRP Conjugated This antibody is the same as ICN Code No. 69-137-1 that has been conjugated with horseradish peroxidase. Conc/Titer: 1:1,000	100 µg 363.10	151895	PINDOLOL [13523-86-9] (1-[1H-indol-4-yloxy]-3-[isopropyl-amino]-2-pyridinol) A β-adrenergic compound. C ₁₄ H ₁₈ N ₂ O ₂ MW 248.3	250 mg 14.35 1 g 33.40 5 g 103.40
153327	PHYTOLACCA AMERICANA AGGLUTININ [63231-57-2] (Pokeweed Mitogen) Purified by affinity chromatography Salt and sugar free. Activity: <20 µg/ml 10 µg agglutinates fresh human 2% type O erythrocytes in 0.01M PBS, pH 7.45. Exhibits specificity for (D-glcNAc) ₃ and demonstrates mitogenic properties at approximately 2.5 µg per ml.	1 mg 53.35 5 mg 208.25	159652	10-[3-(1-PIPERAZINYLPROPYL)-2-TRIFLUOROMETHYLPHENOTHIAZINE DIMALEATE Potent inhibitor of protein kinase C. Ref.: Aftab, et al., <i>Mol. Pharm.</i> , 40, 798 (1991) C ₂₈ H ₂₈ F ₃ N ₃ O ₅ MW 557.6	5 mg 52.75 10 mg 97.80 25 mg 197.60
159197	PICOTAMIDE [32828-81-2] Purity: 98% TxA ₂ synthase inhibitor and thromboxane A ₂ antagonist. Ref.: 1. Modesti, P.A., et al., <i>Eur. J. Pharmacol.</i> , 169, 85 (1989). 2. Berrettini, M., et al., <i>Eur. J. Clin. Pharmacol.</i> , 39, 495 (1990). 3. Numano, F., et al., <i>Thromb. Haem.</i> , 62, 554 (1989). MW 376.2	10 mg 108.95 25 mg 258.00 50 mg 470.10	153792	(±)-cis-2,3-PIPERIDINE-DICARBOXYLIC ACID [82949-15-3] NMDA agonist C ₇ H ₁₁ NO ₄ MW 173.2	15 mg 21.75 25 mg 32.55 50 mg 57.80
151889	PICROTOXIN [124-87-8] (Cocculin) Purity: >98% A GABA-receptor antagonist. Ref.: Soubrie, P., et al., <i>Pharmacol. Biochem.</i> , 10, 463 (1979). C ₃₃ H ₃₃ O ₁₃ MW 602.6	1 g 36.50 2 g 69.20	153790	PIREPERONE [75444-65-4] (3-[2-[4-(4-Fluorobenzoyl)-1-piperidinyl]-ethyl]-2-methyl-4H-pyrido[1,2-a]pyrimidin-4-one) 5-HT ₂ serotonin antagonist C ₂₃ H ₂₄ FN ₃ O ₂ MW 393.5	25 mg 37.95 50 mg 69.65 100 mg 126.80
154253	PIROXICAM [36322-90-4] (4-Hydroxy-2-methyl-3-pyrid-2-yl-carbamoyl)-2H-1,2-benzothiazine 1,1-dioxide) Cyclooxygenase inhibitor C ₁₉ H ₁₅ N ₃ O ₄ S MW 331.3	1 g 17.45 5 g 65.90 10 g 117.95	153789	PIRENEZINE [28797-61-7] (5,11-Dihydro-11-[(4-methyl-1-piperazinyl)-acetyl]-6H-pyrido[2,3-b][1,4]benzodiazepin-6-one) Dihydrochloride M ₁ muscarinic antagonist and anticholinergic C ₁₉ H ₂₁ N ₅ O ₂ • 2HCl MW 424.3	100 mg 19.10 150 mg 27.35 250 mg 43.35
			156277	PLATELET ACTIVATING FACTOR C-16 See: L-α-Phosphatidylcholine-β-Acetyl-γ-O-Hexadecyl	
				PLATELET ACTIVATING FACTOR C-18 See: L-α-Phosphatidylcholine-β-Acetyl-γ-O-Octadecyl	
			154253	PODOPHYLLOTOXIN [518-28-5] A potent inhibitor of microtubule assembly. Purity: >98% C ₂₂ H ₂₂ O ₈ MW 414.4	100 mg 27.55 500 mg 115.60

Neuroscience

One call. One source.
A world of biomedical products.

1213

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872



Neuroscience Products

CATALOG
NUMBER

U.S. \$

CATALOG
NUMBER

U.S. \$

196026
-70°C
POLY(ADP-RIBOSE) POLYMERASE (PARP) 100 µg 367.50
From Bovine
Can be used as a substrate for CPP32 (Apopain) or other proteases such as Granzyme B. Can be automodified with NAD and used as a western blot standard and to synthesize poly(ADP-Ribose) polymer in ELISA assays for autoimmune disease, polymer binding proteins and glycohydrolase assays.
Supplied in solution as 1 mg/ml in 50 mM Tris, pH 8.0.
MW 116 KDA

100565
0-5°C
POLYMYXIN B SULFATE 1 MU 9.85
[1405-20-5] 5 MU 23.25
Aerosporin 10 MU 40.70
Activity: >6,000 µg/ml 25 MU 79.50
50 MU 142.00

194538
0-5°C
POLYMYXIN B SULFATE 1 MU 11.55
[1405-20-5] 5 MU 27.55
Cell Culture Reagent
Aerosporin
Activity: >6,000 µg/ml

193706
0-5°C
POTASSIUM PENTA-CHLORONITROSYLRUTHENIUM 5 mg 40.80
25 mg 163.15
A caged nitrosyl compound that releases NO in 1 msec by laser flash photolysis (320 nm).
K₂Ru(NO)Cl₅ MW 386.5

153781
0-5°C
PRAZOBIND 10 mg 204.70
(1-(4-Amino-6,7-dimethoxy-2-quinazoliny)-4-(2-bicyclo[2.2.2]octa-2,5-dienylcarbonyl)piperazine) 15 mg 296.40
25 mg 454.60
C₂₃H₂₇N₅O₃ MW 421.0

153782
RT
PRAZOSIN 25 mg 26.10
[19237-84-4] 50 mg 47.70
(1-(3-Amino-6,7-dimethoxy-2-quinazoliny)-4-(2-furanylcarbonyl)piperazine hydrochloride) 100 mg 86.75
Hydrochloride
α₁ adrenergic antagonist
C₁₉H₂₁N₅O₄ • HCl MW 419.9

156362
0-5°C
5-PREGNEN-3β-OL-20-ONE-16α-CARBONITRILE 50 mg 27.60
100 mg 50.25
250 mg 114.60
[1434-54-4]
(Pregnenolone-16α-carbonitrile)
Purity:

Activates the transcription of the PCN1 gene and induces cytochrome P-450 activity.
Ref.: 1. Hardwick, J.P., et al., J. Biol. Chem., **258**, 10182 (1983). 2. Watkins, P.B., et al., Proc. Natl. Acad. Sci. USA, **82**, 6310 (1985). 3. Gonzalez, F.J., et al., Mol. Cell. Biol., **6**, 2969 (1986).
C₂₂H₃₁N₂ MW 341.5

157923
0°C
PRO-ASP-VAL-ASP-HIS-VAL-PHE-LEU-ARG-PHE-AMIDE 1 mg 68.50
5 mg 312.55
[121801-61-4]

From Locust
(*Schistocera gregaria*)
FMRF-amide like neuropeptide.
Purity: 97%
MW 1243.4

151949
-20-0°C
PROCTOLIN 1 mg 30.30
[57966-42-4] 5 mg 93.30
(Arg-Tyr-Leu-Pro-Thr) 10 mg 166.40
An insect neurotransmitter.
Ref.: 1. Starratt, A.N. and Brown, B.E., Life Sci., **17**, 1253 (1976).
2. O'Shea, M., et al., Science, **213**, 567 (1981).

151950
RT
PROGLUMIDE 100 mg 97.60
(4-Benzoylamino-5-dipropylamino-5-oxopentanoic acid sodium salt) 500 mg 272.35
Sodium Salt
Selective, cholecystokinin antagonist, water soluble, gastrin receptor antagonist.

193707
RT
PROPOFOL 1 g 13.25
[2078-54-8] 5 g 39.70
(2,6-Diisopropylphenol)
A short acting general anesthetic which exhibits direct activation of the GABA_A receptor and inhibition of glutamate receptor-mediated synaptic transmission.
Ref.: Orser, et al., Br. J. Pharmacol., **116**, 1761 (1995).
C₁₇H₁₆O MW 178.3

190088
DL-PROPRANOLOL 1 g 8.90
[3506-09-0] 5 g 26.90
(1-[isopropylamino]-3-[1-naphthylthioxy]-2-propanol) 25 g 101.65
100 g 270.00
Purity: 98%

Hydrochloride
Crystalline
A β-adrenergic blocker. Inhibitor of phosphatidate phosphohydrolase blocking PLD derived DAG formation.
Ref.: 1. Billah, M.M., et al., J. Biol. Chem., **264**, 17069 (1989). 2. Billah, M.C., et al., FEBS Lett., **233**, 153 (1988). 3. Barret, et al., Brit. J. Pharmacol., **34**, 43 (1968).
C₁₈H₂₁NO₂ • HCl MW 295.8

156412
0-5°C
(R)-(+)-PROPRANOLOL 100 mg 46.80
[13071-11-9] 500 mg 208.45
Hydrochloride
C₁₈H₂₁NO₂ • HCl MW 295.8

156413
RT
(S)-(-)-PROPRANOLOL 100 mg 60.40
[4199-10-4] 500 mg 257.25
Hydrochloride
5-HT₁ antagonist and β adrenergic blocker
C₁₈H₂₁NO₂ • HCl MW 295.8

PROPYL β-CARBOLINE-3-CARBOXYLATE

See: β-Carboline-3-carboxylic acid propyl ester

153773
0-5°C
R(-)-PROPYLNORAPOMORPHINE 2 mg 18.05
[18426-20-5] 5 mg 36.15
(R)-(-)-10,11-Dihydroxy-N-n-propylnoraporphine hydrochloride) 10 mg 72.25

Hydrochloride
D₂ Dopamine receptor agonist
C₁₉H₂₁NO₂ • HCl MW 331.8

153777
0-5°C
S(+)-PROPYLNORAPOMORPHINE 2 mg 115.70
(S(+)-NPA) 5 mg 258.35
(+)-10,11-Dihydroxy-N-n-propylnoraporphine

Hydrochloride
C₁₉H₂₁NO₂ • HCl MW 331.8

153779
0-5°C
3-n-PROPYLXANTHINE 25 mg 19.85
[41078-02-8] 50 mg 38.70
(Enpropylline) 100 mg 74.75

Weak A₁ and A₂ adenosine receptor antagonist
C₈H₁₀N₄O₂ MW 194.2

153776
0-5°C
9-n-PROPYLXANTHINE 25 mg 26.10
[125833-04-7] 50 mg 47.70
100 mg 86.75
C₈H₁₀N₄O₂ MW 194.2

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999 1214
Outside the U.S.: (714) 545-0100, fax (714) 557-4872

www.icnbiomed.com
Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$		
193625	20S PROTEASOME Recombinant Expressed in <i>E. coli</i> A threonine protease with two distinct endopeptidase activities hydrolyzing proteins on the carboxyl side of hydrophobic and acidic amino acid residues (chymotrypsin-like and peptidylglutamyl-peptide hydrolase activities). Activity: chymotrypsin-like activity: hydrolysis of Suc-Ala-Ala-Phe-AMC yields 1.2 nmol of 7-amino-4-methylcoumarin (AMC) per minute per mg protein. Peptidylglutamyl-peptide hydrolase activity: hydrolysis of CBZ-Leu-Leu-Glu-β-NA yields 8.9 nmol of β-naphthylamine per minute per mg protein. Unit Definition: one unit is the amount of enzyme that hydrolyzes one nmol of peptide in one minute at 60°C. Ref.: Maupin-Furlow, J.A. and Ferry, J.G., <i>J. Biol. Chem.</i> , 270 , 28,617-28,622 (1995).	500 µg	108.95	159654	PROTEIN KINASE p34^{cdc2} SUBSTRATE Ala-Asp-Ala-Gln-His-Ala-Thr-Pro-Pro-Lys-Lys-Lys-Arg-Lys-Val-Glu-Asp-Pro-Lys-Asp-Phe Synthetic substrate used in studies of Protein Kinase p34 ^{cdc2} . Shows no activity as a substrate for protein kinase C. Ref.: Marshak, D.R., et al., <i>J. Cell. Biochem.</i> , 45 , 391 (1991). MW 2407.0	1 mg	412.75
193626	20S PROTEASOME α-SUBUNIT Recombinant From <i>Methanosarcina thermophila</i> Expressed in <i>E. coli</i> MW ~24 kDa	500 µg	108.95	159809	PROTOPINE Hydrochloride [6164-47-2] Inhibits the release of arachidonic acid and Platelet Activation Factor from membrane phospholipids. C ₂₂ H ₁₉ NO ₅ • HCl MW 389.8	5 mg 25 mg 50 mg 100 mg 500 mg	14.70 29.40 42.00 63.00 236.25
697501	20S PROTEASOME α-SUBUNIT POLYCLONAL ANTIBODY Anti-Human Host: rabbit Form: liquid whole antisera Conc/Title: 1:20,000 Applications: Western Blotting, Immunodetection This antibody is specific for the 20S proteasome α-subunit. It does not cross-react with the β-subunit.	100 µl	86.00	102757	PROTOPORPHYRIN IX Disodium Salt Purity: ~95% C ₃₄ H ₃₂ N ₄ O ₄ Na ₂ MW 606.6	250 mg 1 g 5 g	14.55 39.65 159.80
193627	20S PROTEASOME β-SUBUNIT Recombinant From <i>Methanosarcina thermophila</i> Expressed in <i>E. coli</i> MW ~22 kDa	500 µg	108.95	156424	PROTOPORPHYRIN IX DIMETHYL ESTER [5522-66-7] From Ox Hemin Purity: 95% Crystalline Purity based on E ₄₂₀ = 2.89 X 10 ³ in CHCl ₃ C ₃₈ H ₃₈ N ₄ O ₄ MW 590.7	25 mg 100 mg 500 mg	16.85 45.50 218.10
158346	PROTEIN G ANTAGONIST 2 Pyr-Gln-D-Trp-Phe-D-Trp-D-Trp-Met-NH ₂ Purity: 99% Reversible and competitive inhibitor of G proteins. Ref.: Mukai, H., et al., <i>J. Biol. Chem.</i> , 267 , 16237 (1992). MW 1093.6	1 mg	137.60	159830	PTIO (2-Phenyl-4,4,5,5-tetra-methylimidazole-1-oxyl-3-oxide) Purity: ≥ 96% A stable nitric oxide (NO) scavenger. Ref.: Maeda, H., et al., <i>Jpn. J. Cancer Res.</i> , 85 , 331 (1994). Also see <i>Carboxy-PTIO</i> . C ₁₃ H ₁₁ N ₂ O ₂ MW 233.3	10 mg 25 mg 100 mg	27.50 37.70 146.00
158348	PROTEIN G ANTAGONIST 2A Arg-Pro-Lys-Pro-Gln-Gln-D-Trp-Phe-D-Trp-D-Trp-Met-NH ₂ Purity: 99% Reversible and competitive inhibitor of G proteins. Ref.: Mukai, H., et al., <i>J. Biol. Chem.</i> , 267 , 16237 (1992). MW 1589.3	1 mg	131.90	100552	PUROMYCIN Dihydrochloride Crystalline Antimicrobial Causes premature chain termination in protein synthesis, and is an inhibitor of aminopeptidase and enkephalinase. Ref.: 1. Reboud, A.M., et al., <i>Biochemistry</i> , 20 , 5281 (1981); 2. Pekarek, J., et al., <i>Immunology</i> , 31 , 773 (1976). C ₂₂ H ₃₂ N ₂ O ₅ • 2HCl MW 544.4	10 mg 25 mg 100 mg 250 mg 500 mg 1 g	13.55 29.15 103.65 225.90 413.85 760.35
159656	PROTEIN KINASE C ACTIVATING PEPTIDE Fragment 530-558 Leu-Leu-Tyr-Glu-Met-Leu-Ala-Gly-Gln-Ala-Pro-Phe-Glu-Gly-Glu-Asp-Glu-Asp-Glu-Leu-Ph-e-Gln-Ser-Ile-Met-Glu-His-Asn-Val Activates Protein Kinase C. MW 3355.07	100 µg 1 mg	71.10 418.55	194539	PUROMYCIN Cell Culture Reagent Dihydrochloride Crystalline Antimicrobial Causes premature chain termination in protein synthesis, and is an inhibitor of aminopeptidase and enkephalinase. Ref.: 1. Reboud, A.M., et al., <i>Biochemistry</i> , 20 , 5281 (1981); 2. Pekarek, J., et al., <i>Immunology</i> , 31 , 773 (1976). C ₂₂ H ₃₂ N ₂ O ₅ • 2HCl MW 544.4	10 mg 25 mg 100 mg	15.95 31.95 121.25
159655	PROTEIN KINASE C PSEUDOSUBSTRATE (Protein Kinase C (19-31)) Arg-Phe-Ala-Arg-Lys-Gly-Ala-Leu-Arg-Gly-Lys-Asn-Val MW 1542.8	1 mg	166.25	100441	PUTRESCINE [110-60-1] (1,4-Diaminobutane) Free Base Purity: ~98% C ₄ H ₁₂ N ₂ MW 88.15	1 g 5 g 25 g 100 g	5.00 7.10 24.45 71.20
159658	PROTEIN KINASE C SUBSTRATE Lys-Arg-Thr-Leu-Arg-Arg MW 829.1	1 mg 5 mg	44.65 178.85	16015	PUTRESCINE [1,4-¹⁴C] Dihydrochloride Sp. Act. 100-120 mCi/mmol 3,70-4.44 GBq/mmol 0.01N HCl solution. Please call for delivery information. NH ₂ CH ₂ (CH ₂) ₂ CH ₂ NH ₂ • HCl MW 161.1	50 µCi 250 µCi 1 mCi	204.95 605.15 1696.65

Neuroscience

One call. One source.
A world of biomedical products.

1215

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872



Neuroscience Products

CATALOG
NUMBER

U.S. \$

CATALOG
NUMBER

U.S. \$

16016 0-5°C	PUTRESCINE [2,3-¹⁴C] Dihydrochloride Sp. Act. 100-120 mCi/mmol 3.70-4.44 GBq/mmol 0.01N HCl solution. <i>Please call for delivery information.</i> NH ₂ CH ₂ (CH ₂) ₂ CH ₂ NH ₂ • HCl MW 161.1	50 µCi 314.10 250 µCi 677.95 1 mCi 1817.90
26047 0-5°C	PUTRESCINE [2,3-³H(N)] Dihydrochloride Sp. Act. 60-120 Ci/mmol 2.22-4.44 TBq/mmol 0.01N HCl solution. <i>Please call for delivery information.</i> NH ₂ CH ₂ (CH ₂) ₂ CH ₂ NH ₂ • HCl MW 161.1	1 mCi 386.85 5 mCi 1029.65
100450 RT	PUTRESCINE [333-93-7] (Diaminobutane dihydrochloride) Dihydrochloride Crystalline Purity: >98% C ₄ H ₁₂ N ₂ • 2HCl MW 161.1	1 g 5.30 5 g 8.15 25 g 36.85 100 g 120.50
158985 -20-0°C	PYRENYLMETHYL OKADAATE Purity: >98% (HPLC) A fluorescent derivative of okadaic acid used as a standard in okadaic acid analysis. C ₆₁ H ₇₈ O ₁₃ MW 1019.3	10 µg 77.50 25 µg 155.30 50 µg 279.05 100 µg 502.90
193422 RT	PYRIDOSTIGMINE BROMIDE [101-26-8] (3-Dimethylaminocarbonyloxy-N-methylpyridinium bromide) C ₉ H ₁₂ BrN ₂ O ₂ MW 261.1	1 g 19.70 5 g 66.15 25 g 220.70
156458 RT	N,N,N',N'-tetraakis(2-PYRIDYL- METHYL)ETHYLENEDIAMINE [16858-02-9] (TPEN) Purity: 98% Intracellular Zn ²⁺ chelator with low affinity for Mg ²⁺ and Ca ²⁺ . Used with QUIN 2 to measure free Ca ²⁺ in cells. C ₂₈ H ₂₄ N ₆ MW 424.5	50 mg 55.90 100 mg 100.40 500 mg 397.95
190043 RT	PYRILAMINE MALEATE [59-33-6] (Mepyramine maleate) Crystalline H ₁ Histamine antagonist C ₁₁ H ₁₂ N ₂ O ₄ • C ₄ H ₄ O ₄ MW 401.5	5 g 8.45 25 g 27.25 100 g 74.75
158544 RT	L-trans-PYRROLIDINE-2,4- DICARBOXYLIC ACID [64769-66-0] Purity: 98% Selectively and potently inhibits the uptake of glutamate. Ref.: 1. Bridges, R.J., et al., <i>J. Med. Chem.</i> , 34 , 717 (1991). 2. Balcar, V.J., et al., <i>FEBS Lett.</i> , 300 , 203 (1992). MW 159.1	5 mg 72.75 10 mg 120.00 25 mg 284.00
156470 0-5°C	PYRROLIDINEDITHIOCARBAMATE [5108-96-3] (APDC; APDTC; Ammonium pyrrolidinedithiocarbamate) Ammonium Salt Purity: 99% Crystalline C ₅ H ₉ NS ₂ • NH ₃ MW 164.3	25 g 25.30 100 g 91.55
-Q-		
158986 RT	QUAZINONE [70018-51-8] (Ro 136438) Purity: 98% Potent inhibitor of cGMP-inhibited phosphodiesterase. Ref.: Holck, M., et al., <i>J. Cardiovasc.</i> <i>Pharmacol.</i> , 6 , 520 (1984). C ₁₁ H ₁₀ N ₂ OCl MW 235.7	10 mg 64.70 25 mg 156.75 50 mg 303.50

152003 RT	QUERCETIN [6151-25-3] (3,3',4',5,7-Pentahydroxyflavone) Dihydrate Crystalline Inhibitor of protein tyrosine kinases. C ₁₅ H ₁₁ O ₇ • 2H ₂ O MW 338.3	10 g 10.10 25 g 20.25 100 g 62.75
190090 0°C	QUIN 2 [73630-23-6] (2-[(2-bis-[Carboxymethyl]amino-5- methylphenoxy)methyl]-6- methoxy-8-bis[carboxymethyl] aminoquinoline) Fluorescent probe for calcium. Calcium specific chelator and indicator that causes a shift in UV spectrum upon binding to calcium, and enhances fluorescence. Ref.: Tsien, R.Y., et al., <i>J. Cell Biol.</i> , 94 , 325 (1982). C ₂₈ H ₂₇ N ₃ O ₁₀ MW 541.5	10 mg 112.15 50 mg 376.75
190051 RT	QUIN 2-AM [83104-85-2] (2-[(2-bis-[Carboxymethyl]amino-5- methylphenoxy)methyl]-6-methoxy- 8-bis-[carboxymethyl]amino- quinolinetetraakis[acetoxymethyl]ester) Useful as a fluorescent calcium ion buffer and indicator. Ref.: Tsien, R.Y., et al., <i>J. Cell Biol.</i> , 94 , 325 (1982). C ₃₈ H ₄₃ N ₃ O ₁₈ MW 829.8	5 mg 69.20 10 mg 123.95 25 mg 281.65 50 mg 538.75
152004 RT	QUINACRINE [69-05-6] Dihydrochloride Dihydrate Fluorescent probe with acetylcholine-activated synaptic membranes. Also a monoamine oxidase inhibitor. C ₂₃ H ₁₃ ClN ₃ O • 2HCl • H ₂ O MW 490.9	25 g 27.75 100 g 77.00
26048 0-5°C	QUINIDINE [9-³H] Sp. Act. 10-20 Ci/mmol 370-740 GBq Ethanol solution <i>Shipped in Dry Ice.</i> <i>Please call for delivery information.</i> MW 324.4	250 µCi 702.20 1 mCi 1454.10
102791 RT	QUINIDINE SULFATE [6591-63-5] Crystalline A sodium channel blocker. (C ₂₀ H ₂₄ N ₂ O ₂) ₂ • H ₂ SO ₄ MW 746.9	10 g 30.05 25 g 66.30 50 g 125.05
102792 RT	QUININE [6119-70-6] Hemisulfate Crystalline Purity: 90-95% A potassium channel blocker. C ₂₀ H ₂₄ N ₂ O ₂ • 1/2H ₂ SO ₄ MW 373.5	10 g 14.30 25 g 31.55 50 g 45.65 100 g 82.70
26045 0-5°C	L-QUINUCLIDINYL BENZILATE, [Benzylidene-4,4'-³H(N)] (QNB) Sp. Act. 30-60 Ci/mmol 1.11-2.22 TBq Ethanol solution <i>Shipped with Dry Ice.</i> <i>Please call for delivery information.</i> MW 337.4	250 µCi 605.15 1 mCi 1393.45
153697 0-5°C	RS(±)-QUINUCLIDINYL BENZILATE [6581-06-2] (±)-QNB; (±)-Quinuclidinyl- (RS)-α-hydroxydiphenylacetate) A muscarinic antagonist. C ₂₁ H ₂₂ N ₂ O ₃ MW 337.4	1 mg 31.30 5 mg 73.35 10 mg 132.45

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999 1216
Outside the U.S.: (714) 545-0100, fax (714) 557-4872

www.icnbiomed.com
Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$
158987	QUIPAZINE [4774-24-7] Dimaleate Salt Purity: 98% 5-HT ₃ agonist. Ref.: Glennon, R.A., et al., J. Med. Chem., 29, 2375 (1986). C ₁₃ H ₁₃ N ₃ • 2C ₄ H ₄ O ₄ MW 445.4	50 mg 91.70 100 mg 174.85 250 mg 418.55	196052	RESEVERATROL [501-36-0] (trans-3,4',5-Trihydroxystilbene) Purity: 298% Present in wine and grapes and found to reduce serum lipids, inhibit platelet aggregation and act as a chemopreventive agent and antioxidant. Ref.: Jang, M., et al., Science, 275(5297), 218-220 (1997). C ₁₄ H ₁₂ O ₃ MW 228.2	5 mg 10.50 25 mg 24.15 100 mg 74.80
159791	QUISQUALAMINE [68373-11-5] Exhibits activity at GABA _A receptors. C ₄ H ₇ N ₃ O ₃ MW 145.1	1 mg 30.95 5 mg 123.80	156505	RESINIFERATOXIN [57444-62-9] From <i>Euphorbia poissonii</i> Purity: 95% Diterpene ester related to phorbol ¹ but apparently not tumorigenic. ² Ref.: 1. Sorg, B., et al., J. Nat. Prod., 45, 347 (1982). 2. Hergenbahn, M., et al., J. Cancer Res. Clin. Oncol., 108, 98 (1984). C ₃₇ H ₄₂ O ₉ MW 628.7	100 µg 55.50 1 mg 128.00
153771	(+)-QUISQUALIC ACID [52809-07-1] Synthetic A glutamate agonist. C ₉ H ₁₇ N ₃ O ₅ MW 189.1	2 mg 101.25 5 mg 202.45	159661	RESINIFERONOL 9,13,14-ORTHOPHENYLACETATE [57852-42-3] (ROPA) Purity: 98% Binds to Protein Kinase C, but is not active as a Capsaicin analog. Useful for synthesizing Resiniferatoxin analogs. C ₂₈ H ₃₂ O ₆ MW 464.6	1 mg 87.00 5 mg 400.00
193948	QX-314 A quarternary lidocaine derivative which acts as a local anesthetic. It is a strong inhibitor of intracellular voltage-sensitive sodium ion conductance. Ref.: Connors, et al., J. Pharmacol. Exp. Ther., 220, 476 (1982). MW 343.3	500 mg 203.95 1 g 358.30	158990	RESMETHRIN [10453-86-8] Mixture of isomers A class Type I pyrethrin that is weakly active and acts as a "negative" control for the inhibition of calcineurin (protein phosphatase 2B) by Type II pyrethrins. C ₂₂ H ₂₈ O ₃ MW 391.3	10 mg 42.00 25 mg 98.00 50 mg 176.00
-R-					
	R 11302 See: Haloperidol Metabolite III				
	R 59022 See: Diacylglycerol Kinase Inhibitor I				
	R 59949 See: Diacylglycerol Kinase Inhibitor II				
153563	RANITIDINE [66357-35-5] (N-[2-[[[5-[(Dimethylamino)methyl]-2-furanyl]methyl]thio]-ethyl]-N-methyl-2-nitro-1,1-ethenediamine) Hydrochloride H ₂ Histamine receptor antagonist C ₁₃ H ₂₂ N ₄ O ₃ • HCl MW 350.9	1 g 65.10 5 g 130.15	195490	RIFAMPIN [13294-46-1] (Rifampicin) A rifamycin which specifically inhibits DNA-dependent bacterial RNA Polymerase. Mammalian RNA polymerase is not affected. Ref.: Wehrli, et al., Proc. Natl. Acad. Sci., 61, 667 (1968). C ₄₃ H ₅₈ N ₄ O ₁₂ MW 823	100 mg 5.80 250 mg 11.40 1 g 31.80 5 g 122.90 25 g 493.60
159346	RAPAMYCIN [53123-88-9] Purity: >98% by TLC Yellowish solid Soluble in DMSO. Has been shown to selectively block signaling, leading to the activation of P70 S6 kinase. Ref.: Terada, N., et al., J. Biol. Chem., 268, 12062 (1993). Price, D.J., et al., Science, 257, 973 (1992). C ₅₁ H ₇₃ N ₃ O ₁₃ MW 914.2	100 µg 55.60 1 mg 171.20	193712	RILMENIDINE Hemifumarate An 1 <i>l</i> -imidazoline binding site ligand and α ₂ -adrenoceptor agonist. Exhibits higher 1 <i>l</i> vs. α ₂ selectivity than clonidine. C ₁₀ H ₁₃ N ₂ O • 1/2C ₄ H ₄ O ₄ MW 238.3	5 mg 62.85 25 mg 251.35
153772	RAUWOLSCINE [6211-32-1] (α-Yohimbine; 17α-Hydroxy-20α-yohimban-16β-carboxylic acid methyl ester) Hydrochloride An α ₂ -adrenergic antagonist. C ₂₁ H ₂₃ N ₂ O ₃ • HCl MW 390.9	25 mg 21.75 50 mg 36.15 100 mg 65.10	193713	RILUZOLE [1744-22-5] (2-Amino-6-trifluoromethoxybenzothiazole) A glutamate release inhibitor which also blocks voltage-dependent Na ⁺ channels and inhibits GABA uptake. Ref.: Mantz, et al., Eur. J. Pharmacol., 257, R7 (1994). C ₉ H ₅ N ₂ OSF ₃ MW 234.2	10 mg 24.25 50 mg 97.00
152015	REACTIVE BLUE 2 [12236-82-7] (Procion Blue HB) C.I. 61211 Dye Content: Approx. 60% An inhibitor of ATP-activated channels. C ₂₈ H ₁₇ ClN ₇ O ₁₁ S ₃ Na ₃ MW 840.1	25 g 17.50 100 g 47.70 500 g 181.00	193714	RISPERIDONE [106266-06-2] Both a D ₂ dopamine and 5-HT ₂ serotonin receptor antagonist. C ₂₃ H ₂₇ N ₄ O ₂ F MW 410.5	5 mg 77.15 10 mg 138.90
193711	REMOXIPRIDE [73220-03-8] Hydrochloride A dopamine D ₂ receptor antagonist. C ₁₆ H ₂₃ N ₂ O ₃ Br • HCl MW 407.8	5 mg 62.85 25 mg 251.35	153769	RITANSERIN [87051-43-2] (6-[2-[4-[bis(4-Fluorophenyl)-methylene]-1-piperidinyl]-ethyl]-5H-thiazolo[3,2-a]pyrimidin-5-one) 5-HT ₂ /5-HT _{1C} serotonin antagonist C ₂₇ H ₂₅ F ₂ N ₃ O ₃ MW 477.6	25 mg 85.30 50 mg 120.15 100 mg 227.65

Neuroscience

One call. One source.
A world of biomedical products.

1217

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872

CATALOG
NUMBER

Neuroscience Products

U.S. \$

CATALOG
NUMBER

U.S. \$

Ro 13-5057
See: Aniracetam

Ro 16-6491
See: N-(2-Aminoethyl)-4-chlorobenzamide

159810 **ROLIPRAM** 1 mg 18.25
[61413-54-5] 5 mg 40.50
0-5°C (4-[3-(Cyclopentyloxy)-4-methoxyphenyl]-2-pyrrolidinone) 10 mg 62.30
Purity: >98%
cAMP-specific phosphodiesterase inhibitor, selective for phosphodiesterase IV.
Ref.: Imanishi, T., et al., Eur. Jour. of Pharmacol., **321(3)**, 273-278 (1997).
C₁₈H₂₁NO₃ MW 275.4

159792 **ROSMARINIC ACID** 5 mg 20.65
C₁₈H₁₆O₈ MW 360.3 10 mg 35.80
RT 50 mg 143.30

156565 **RUTHENIUM RED** 250 mg 32.75
[11103-72-3] 1 g 130.00
RT (Ruthenium oxychloride ammoniated) 5 g 648.00
Tetrahydrate
Dye Content: Approx. 20%
A Ca²⁺-antagonist
R₅C₈H₈N₄O₂ • 4H₂O MW 858.4

159710 **RYANODINE** 5 mg 29.10
[15662-33-6] 25 mg 144.00
RT (Ryanadol)-3-(1H-pyrrole-2-carboxylate)
From *Ryania speciosa* vahl
A mixture of ryanodine and 9,21-dehydroyanodine (1:1).
C₂₃H₃₃NO₉ MW 493.5

153770 **RYANODINE** 1 mg 63.50
[15662-33-6] 2 mg 114.40
RT (Ryanadol)-3-(1H-pyrrole-2-carboxylate) 5 mg 270.90
From *Ryania speciosa* vahl
Inhibits calcium release from the sarcoplasmic reticulum.
C₂₃H₃₃NO₉ MW 493.5

RYANODINE, 9,21-DEHYDRO

See: 9,21-Dehydroyanodine

-S-**SACLOFEN**

See: 3-Amino-2-(4-chlorophenyl)propanesulfonic acid

156581 **SANGUINARINE CHLORIDE** 5 mg 27.90
[5578-73-4] 25 mg 92.15
RT Sodium, potassium and magnesium-ATPase inhibitor
C₂₂H₁₄NO₄Cl MW 367.8

SC-9

See: 5-Chloro-N-(6-phenylhexyl)-1-naphthalenesulfonamide

SC-10

See: 5-Chloro-N-Heptylnaphthalene-1-sulfonamide

153560 **(-)-SCOPOLAMINE** 1 g 43.35
0-5°C **Hydrobromide** 5 g 130.15
A cholinergic antagonist.
C₁₇H₂₁NO₄ • HBr MW 384.3

153561 **(-)-SCOPOLAMINE n-BUTYL** 1 g 43.35
0-5°C **BROMIDE** 5 g 130.15
[149-64-4]
A cholinergic antagonist.
C₂₂H₃₀BrNO₄ MW 440.4

153562 **(-)-SCOPOLAMINE METHYL BROMIDE** 250 mg 28.85
RT [155-41-9] 1 g 57.80
(Methscopolamine bromide)
A cholinergic antagonist.
C₁₇H₂₂BrNO₄ MW 398.3

102864 **SEMICARBAZIDE** 100 g 10.90
RT [563-41-7] 500 g 50.00
(Aminourea hydrochloride)
Hydrochloride
Crystalline, 99%
Urease substrate and MAO inhibitor
CH₅N₃O • HCl MW 111.5

159813 **L-SEPIAPTERIN** 1 mg 29.80
-20°C [17094-01-8] 5 mg 119.20
Sepiapterin is converted intracellularly into tetrahydrobiopterin, which causes stimulation of NO production.
Ref.: Gross, S.S. and Levi, R.J., J. Biol. Chem., **267**, 25722 (1992).
C₉H₁₁N₅O₃ • 2H₂O MW 273.2

SEROTONIN

See: 5-Hydroxytryptamine

193598 **SEROTONIN ELISA KIT** 1 each 558.40
0-5°C

This Serotonin ELISA kit provides materials for the quantitative determination of chemically derived serotonin in serum, plasma, urine, tissue homogenates, and cell culture supernatants. The assay procedure follows the basic principle of competitive ELISA whereby there is competition between a biotinylated and non-biotinylated antigen for a fixed number of antibody binding sites. The kit is a 12 x 8 format.

FOR RESEARCH USE ONLY!

159831 **SIN-1** 5 mg 32.05
-20°C [16142-27-1] 10 mg 57.35
(3-Morpholinolisdinonimine) 25 mg 114.65
Hydrochloride

Purity: >98%
A nitric oxide (NO) donor. SIN-1 is a metabolite of molsidomine and spontaneously decomposes to nitric oxide and superoxide anion radicals.
Ref.: 1. Hess, D.T., et al., Nature, **366**, 562 (1993).
2. Mery, P.-F., et al., J. Biol. Chem., **268**, 26286 (1993).
C₈H₁₃N₄O₂ • HCl MW 206.7

SIN-10

See: Molsidomine

159202 **SK & F 525A** 250 mg 103.20
RT [62-68-0] 1 g 366.90
(Proadifen)
Hydrochloride

Purity: 99%
Inhibits cytochrome P⁴⁵⁰
C₂₃H₃₁NO₂ • HCl MW 389.9

159775 **SK & F 91488** 1 mg 13.75
0-5°C [68643-23-2] 5 mg 42.40
(4-[N,N-Dimethyl(amino)butylisothiourea dihydrochloride]) 25 mg 169.70

A Dimaprit homologue. Strong inhibitor of histamine N-methyltransferase.
C₇H₁₇N₃S • 2HCl MW 248.2

158992 **SK & F 96365** 5 mg 109.20
RT (1-[β-(3-(4-Methoxyphenyl)propoxy)-4-methoxyphenethyl]-1H-imidazole) 10 mg 215.00
Hydrochloride 25 mg 535.00

Purity: 98%
Specifically inhibits receptor-mediated calcium entry in platelets, neutrophils, and endothelial cells.
Ref.: 1. Merrit, J.E., et al., Biochem. J., **271**, 515 (1990). 2. Fasolato, C., et al., J. Biol. Chem., **265**, 20351 (1990). 3. Blayney, L.M., et al., Biochem. J., **273**, 803 (1991). 4. Chan, J. and Greenberg, D.A., Biochem. Biophys. Res. Commun., **177**, 1141 (1991).
C₂₂H₂₈N₂O₃ • HCl MW 402.9

To place an order: (800) 854-0530, fax (800) 334-6999 1218
Outside the U.S.: (714) 545-0100, fax (714) 557-4872

www.icnbiomed.com
Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$
158830	SK & F 97541 [127729-35-5] (3-Aminopropyl-(methyl)phosphonic acid) Purity: >98% GABA _A agonist, 10 fold more potent than baclophen. Ref.: 1. Seabrook, G.R., et al., <i>Brit. Jour. of Pharmacol.</i> , 101(4) 949-957 (1990). 2. Saccomano, N.A., et al., <i>Annu. Rev. Med. Chem.</i> , 24 287 (1989). C ₁₁ H ₁₁ NO ₄ MW 137.1	5 mg 95.00 25 mg 395.00	193716	SPERMINE bis(NITRIC OXIDE)ADDUCT [136587-13-8] (Spermine NONOate; SPER/NO; (Z)-1-[N-(3-Ammoniopropyl)-N-[4-(3-aminopropylammonio)butyl]amino]-diazene-1-ium-1,2-diolate) Purity: >98% A nitric oxide donor that releases nitric oxide (NO) into aqueous solutions. Ref.: Keefer, L.K., et al., <i>Methods in Enzymol.</i> , 268 , 281-293 (1996). C ₁₀ H ₂₈ N ₆ O ₂ MW 262.4	1 mg 10.50 5 mg 26.25 25 mg 99.75
152061	SODIUM NITROPRUSSIDE [13755-38-9] (Sodium nitroferricyanide) Crystalline Reagent used for chromatographic detection of peptides containing cystine. Also liberates nitric oxide in biological systems. Na ₂ Fe(CN) ₅ NO MW 261.9	25 g 12.65 100 g 38.50 250 g 85.50 500 g 143.85	102945	SPHINGOMYELIN [85187-10-6] From Bovine Brain Purity: ~99% White powder Primarily contains stearic and nervonic acids. Used in the preparation of vesicles. Ref.: Parmar, Y.I., et al., <i>J. Am. Chem. Soc.</i> , 106 , 2434 (1984).	5 mg 8.25 10 mg 11.70 50 mg 33.30 100 mg 65.00 500 mg 320.00
159664	SODIUM ORTHOVANADATE [13721-39-6] (Decavanadate) Purity: 96% min. Powder Potent alkaline phosphate inhibitor. Na ₃ VO ₄ MW 183.9	10 g 13.20 25 g 25.25 100 g 91.70	16025	SPHINGOMYELIN [Choline Methyl-¹⁴C] From Bovine Sp. Act. 50-60 mCi/mmol 1.85-2.22 GBq/mmol Toluene:methanol (1:1) solution. <i>Please call for delivery information.</i>	10 μCi 1068.20 25 μCi 2363.65
193715	SOTALOL [3930-20-9] Hydrochloride A potent β-adrenergic antagonist. C ₁₇ H ₂₃ N ₂ O ₃ • HCl MW 272.4	5 mg 40.80 25 mg 163.15	26053	SPHINGOMYELIN [Choline Methyl-³H] From Bovine Sp. Act. 60-90 Ci/mmol 2.22-3.33 TBq/mmol Toluene:methanol (1:1) solution. <i>Please call for delivery information.</i>	50 μCi 1068.20
158736	SPANTIDE II (N-ε-Nicotinoyl-D-Lys-Pro-3-Pyridyl-Ala-Pro-D-Cl ₂ -Phe-Asn-D-Trp-Phe-D-Trp-Leu-Nle-NH ₂) Purity: >97% Potent Substance P antagonist. Ref.: Folkers, K., et al., <i>Amino Acids</i> , 5 , 233 (1993). MW 1670.2	1 mg 172.00	159665	D-erythro-SPHINGOSINE [123-78-4] (Cerebroside) Synthetic Inhibits Protein Kinase C and calmodulin-dependent enzymes. C ₁₈ H ₃₇ NO ₂ MW 299.5	1 mg 13.75 5 mg 44.65 25 mg 145.00
158993	SPECTINOMYCIN Sulfate (U 18409E, antibiotic) Purity: 98% C ₁₇ H ₂₄ N ₂ O ₇ • H ₂ SO ₄ MW 430.4	1 g 13.75 2 g 22.95 5 g 52.15	26050	D-erythro-SPHINGOSINE, [3-³H] Sp. Act. 15-30 Ci/mmol 0.555-1.11 TBq/mmol Ethanol solution Shipped with Dry Ice. <i>Please call for delivery information.</i> MW 299.5	50 μCi 726.45 250 μCi 1817.90
152068	SPERMIDINE [124-20-9] (N-[3-Aminopropyl]-1,4-butanediamine) Free Base Purity: ~99% C ₇ H ₁₉ N ₃ MW 145.2	1 g 17.20 5 g 53.75 25 g 200.75	158737	SPHINGOSINE-1-PHOSPHATE [26993-30-6] Purity: 98% A second messenger which mobilizes calcium from intracellular stores. Phospholipase D activator and inhibitor of tumor cell motility and invasiveness. Growth promoter of quiescent Swiss 3T3 fibroblasts. Ref.: 1. Mattie, M., et al., <i>J. Biol. Chem.</i> , 269 , 3181 (1994). 2. Desai, N.N., et al., <i>J. Biol. Chem.</i> , 267 , 23122 (1992). 3. Sadahira, Y., et al., <i>Proc. Natl. Acad. Sci. USA</i> , 89 , 9686 (1992). MW 379.5	1 mg 119.00
100472	SPERMIDINE Trihydrochloride Crystalline Purity: 99% Forms stable compounds with nucleic acids. C ₇ H ₁₉ N ₃ • 3HCl MW 254.6	1 g 13.20 5 g 37.00 25 g 145.00	26049	SPERMINE, [Terminal Methylene-³H] Tetrahydrochloride Sp. Act. 30-60 Ci/mmol 1.11-2.22 TBq Ethanol:water solution (9:1). <i>Please call for delivery information.</i> NH ₂ CH ₂ (CH ₂) ₂ NH(CH ₂) ₄ NH(CH ₂) ₂ CH ₂ NH MW 348.2	1 mCi 787.10 5 mCi 2666.85
100474	SPERMINE [306-67-2] Tetrahydrochloride Crystalline Purity: 96-98% C ₁₀ H ₂₃ N ₄ • 4HCl MW 348.2	1 g 18.00 5 g 175.00	158738	SPHINGOSYLPHOSPHORYLCHOLINE [1670-26-4] Purity: 98% Calcium release inducer. Ref.: Yule, D.I., et al., <i>J. Biol. Chem.</i> , 268 , 12353 (1993). C ₂₃ H ₄₃ N ₂ O ₅ P MW 464.6	10 mg 155.00

Neuroscience

One call. One source.
A world of biomedical products.

1219

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872



Neuroscience Products

CATALOG
NUMBER

U.S. \$

CATALOG
NUMBER

U.S. \$

152072 0-5°C	SPIPERONE	100 mg	32.00
	[749-02-0] (Spiropitan; 4-Phenyl-8-[3-(4-fluorobenzoyl)propyl]-1-oxo-2,4,8-triazaspiro[4,5]decane) Selective antagonist for dopamine D ₂ receptor. C ₂₃ H ₂₈ FN ₃ O ₂ MW 395.5	250 mg	62.00
153767 RT	SPIPERONE	25 mg	21.75
	[749-02-0] (Spiroperidol; 8-[4-(4-Fluorophenyl)-4-oxobutyl]-1-phenyl-1,3,8-triazaspiro[4,5]decan-4-one) Hydrochloride Selective antagonist for dopamine D ₂ receptor. C ₂₃ H ₂₈ FN ₃ O ₂ • HCl MW 431.9	50 mg 100 mg	36.15 65.10
152404 0-5°C	SPIROXATRINE	1 mg	13.90
	[1054-88-2] (±)-8-[(2,3-Dihydro-1,4-Benzodioxin-2-yl)Methyl]-1-Phenyl-1,3,8-Triazaspiro[4,5]Decan-4-one) A neuroleptic agent for receptor studies. Spiroxatrine has been shown to exhibit high affinity to 5-HT _{1A} binding receptor sites, and moderate affinity to 5-HT _{1B} and 5-HT ₂ binding receptor sites. Spiroxatrine has also been shown to exhibit high affinity to dopamine-D ₂ and μ-opiate receptors. C ₂₂ H ₂₂ N ₃ O ₃ MW 379.5	5 mg 25 mg	31.25 140.75
193717 RT	SQ 22,536	1 mg	27.55
	[17318-31-9] (9-(Tetrahydro-2-furanyl)-9H-purin-6-amine) An adenylate cyclase inhibitor. C ₈ H ₁₁ N ₅ O MW 205.2	5 mg	110.25
193718 -20°C	SQ 29,548	1 mg	66.15
	[98672-91-4] Potent, selective thromboxane A ₂ receptor antagonist. C ₂₁ H ₂₃ N ₃ O ₃ MW 387.5	5 mg	264.60
191400 0-5°C	STAUROSPORINE	100 μg	65.05
	[62996-74-1] From <i>Streptomyces</i> sp. Found to inhibit phospholipid/Ca ²⁺ dependent and cyclic nucleotide dependent protein kinases. A potent protein kinase inhibitor useful as a tool for studies on protein phosphorylation in the regulation of cellular functions. C ₂₈ H ₂₉ N ₃ O ₃ MW 466.5	500 μg 1 mg	243.05 452.90
194805 0-5°C	STAUROSPORINE	100 μg	77.70
	[62996-74-1] (Antibiotic AM-2282) From <i>Streptomyces</i> sp. Molecular Biology Reagent Purity: ≥98% Inhibitor of phospholipid/Ca ²⁺ dependent and cyclic nucleotide dependent protein kinases. A potent protein kinase C inhibitor and useful as a tool for studies on protein phosphorylation in the regulation of cellular functions. C ₂₈ H ₂₉ N ₃ O ₃ MW 466.5	500 μg 1 mg	259.10 468.55
158994 -20-0°C	1-STEAROYL-2-ARACHIDONOYL-sn-GLYCEROL	2 mg	17.50
	[65914-84-3] (C18:0/C20:4,[cis,cis,cis,cis]-5,8,11,14; 1-octadecanoyl-2-[(cis,cis,cis,cis)-5,8,11,14-eicosatetraenoyl]-sn-glycerol) Purity: 98% Protein kinase C activator Ref.: Go, M., et al., <i>ibid.</i> , 144 , 598 (1987). C ₄₁ H ₇₂ O ₅ MW 645	5 mg 10 mg 25 mg	41.00 68.00 153.00
158995 -20°C	1-STEAROYL-2-LINOLEOYL-sn-GLYCEROL	20 mg	110.10
	Purity: 98% Protein kinase C activator. Ref.: Go, M., et al., <i>ibid.</i> , 144 , 598 (1987). C ₃₉ H ₇₂ O ₅ MW 621	50 mg 100 mg	263.70 504.50

158996 0-5°C	STREPTOLYDIGIN	1 mg	13.65
	[7229-50-7] (U 5481) Purity: 98% Active against a number of gram positive bacteria. Inhibits the assembly of the RNA polymerase II transcription complex and DNA polymerase III transcription. Ref.: 1. Logan, K., et al., <i>DNA</i> , 8 , 595 (1989). 2. Logan, K. and Ackerman, S., <i>DNA</i> , 7 , 483 (1988). C ₃₂ H ₄₄ N ₂ O ₉ MW 600.7	5 mg 10 mg	43.00 81.40
100556 0-5°C	STREPTOMYCIN	5 g	5.55
	[3810-74-0] Sulfate Salt White powder Inhibits initiation and causes misreading of rRNA in protein synthesis. C ₄₂ H ₈₄ N ₁₄ O ₂₃ S ₃ MW 1457.4	25 g 50 g 100 g 1 kg	10.60 19.30 32.30 305.45
194541 0-5°C	STREPTOMYCIN SULFATE	5 g	8.25
	[3810-74-0] Cell Culture Reagent White powder Inhibits initiation and causes misreading of rRNA in protein synthesis. C ₄₂ H ₈₄ N ₁₄ O ₂₃ S ₃ MW 1457.4	25 g 50 g 100 g	16.55 28.65 39.70
100557 0-5°C	STREPTOZOTOCIN	50 mg	13.75
	[18883-66-4] (2-Deoxy-2-[(methyl-nitrosoamino)-carbonyl]-amino]-D-glucopyranose) Crystalline Mixed Anomers Potent methylating agent for DNA. Ref.: Bennett, R.A., and Pegg, A.E., <i>Cancer Res.</i> , 41 , 2786 (1981). C ₈ H ₁₃ N ₃ O ₇ MW 265.2	100 mg 500 mg 1 g 5 g	22.00 73.00 131.00 525.00
STROPHANTHIN G			
See: Ouabain			
152077 -20-0°C	SUBSTANCE P	0.5 mg	16.60
	[33507-63-0] (Arg-Pro-Lys-Pro-Gln-Gln-Phe-Phe-Gly-Leu-Met-NH ₂) Ref.: 1. Chang, M., et al., <i>Nature New Biol.</i> , 232 , 86 (1971). 2. Marx, J.L., et al., <i>Science</i> , 205 , 886 (1979). 3. Pernow, B., <i>Pharmac. Rev.</i> , 35 , 85 (1983).	1 mg 5 mg 10 mg	27.75 94.50 187.20
102975 RT	SUCCINYLCHOLINE CHLORIDE	25 g	26.25
	[71-27-2] Dihydrate Crystalline Purity: 98-100% C ₁₄ H ₃₀ Cl ₂ N ₂ O ₄ • 2H ₂ O MW 397.3	100 g 250 g 500 g	81.40 194.05 369.40
153604 RT	8-(p-SULFOPHENYL)THEOPHYLLINE	25 mg	25.35
	Adenosine antagonist C ₁₃ H ₁₄ N ₂ NaSO MW 336.5	50 mg 100 mg	43.35 79.55
195864 RT	SULINDAC	1 g	10.50
	[38194-50-2] (Z-5-Fluoro-2-methyl-1-[p-(methylsulfinyl)benzylidene]indene-3-acetic acid; MK-231; aflodac) Purity: ≥99% Non-steroidal anti-inflammatory which inhibits cyclooxygenase and prostaglandin synthesis. Causes adenoma regression by apoptotic mechanism and induces apoptosis in HT-29 cells at levels which affect cell proliferation, morphology and cell phase distribution. C ₂₀ H ₁₇ FO ₃ S MW 356.4	5 g	22.00
196029 RT	SULINDAC SULFIDE	1 mg	10.00
	[32004-67-4] Purity: ≥99% Cyclooxygenase inhibitor but not related to apoptosis induction. MW 340.4	5 mg 25 mg	40.00 120.00

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999 1220
Outside the U.S.: (714) 545-0100, fax (714) 557-4872

www.icnbiomed.com
Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$
196030	SULINDAC SULFONE [59864-04-9] Purity: ≥99% Induces apoptosis but does not inhibit cyclooxygenase activity. MW 372.4	1 mg 10.00 5 mg 40.00 25 mg 120.00			
153569	(±)-SULPIRIDE [15676-16-1] (5-(Aminosulfonyl)-N-[(1-ethyl-2-pyrrolidinyl)methyl]-2-methoxybenzamide) D ₂ Dopamine antagonist C ₁₉ H ₂₃ N ₃ O ₄ S MW 341.4	1 g 28.85 5 g 86.75			
153605	R(+)-SULPIRIDE [23756-79-8] C ₁₉ H ₂₃ N ₃ O ₄ S MW 341.4	10 mg 45.55 15 mg 65.10 25 mg 101.25			
153606	S(-)-SULPIRIDE [23672-07-3] antidepressant. (S)-5-(Aminosulfonyl)-N-[(1-ethyl-2-pyrrolidinyl)-methyl]-2-methoxybenzamide) D ₂ Dopamine antagonist C ₁₉ H ₂₃ N ₃ O ₄ S MW 341.4	10 mg 45.55 15 mg 65.10 25 mg 101.25			
159021	SURAMIN [129-46-4] Sodium Salt Purity: 98% Various growth factor inhibitor. Protein G uncoupler from receptors through interaction with intracellular domains. A strong competitive reverse transcriptase inhibitor. Also demonstrates T-lymphocyte protection against HIV infection. Strongly inhibits melanoma heparanase and tumor cell metastasis. Ref.: 1. Huang, R.-R.C., et al., Mol. Pharmacol., 37 , 304 (1990). 2. Hosang, M., J. Cell Biochem., 29 , 265 (1985). 3. Nakajima, M., et al., J. Biol. Chem., 266 , 9661 (1991). 4. Mitsuya, H., et al., Science, 226 , 172 (1984). C ₅ H ₃₄ N ₆ O ₂₃ Na ₆ MW 1429.2	50 mg 30.35 200 mg 66.00 500 mg 153.00			
154250	SWAINSONINE [72741-87-8] Purity: ≥98% α-Mannosidase inhibitor C ₈ H ₁₃ NO ₃ MW 173.1	0.5 mg 50.00 1 mg 96.00 5 mg 477.00			
152840	SYNDYPHALIN-20 [82598-04-7] (Syndyphalin SD-25; Tyr-D-Met(S=O)-Gly-Phe-ol) A highly selective ligand for the μ-opiate receptor. Ref.: Kiso, Y., et al., Naturwissenschaften, 68 , 210 (1981).	0.5 mg 39.00 1 mg 65.10 5 mg 267.60			
158740	SYNTHALIN [111-23-9] (N,N'-1,10-Decanediy-bis(guanidine) sulfate) Sulfate Salt Purity: 99% NMDA receptor polyamine site competitive antagonist. Ref.: Reynolds, I.J., et al., J. Pharmacol. Exp. Ther., 259 , 626 (1992). MW 354.5	5 mg 51.60 10 mg 82.60 25 mg 177.70			
159666	SYNTIDE 2 (Calmodulin-Dependent Protein Kinase Substrate) Pro-Leu-Ala-Arg-Thr-Leu-Ser-Val-Ala-Gly-Leu-Pro-Gly-Lys-Lys A selective substrate for calmodulin-dependent protein kinase II. MW 1507.8	1 mg 128.40			
				-T-	
156738	TAMOXIFEN [10540-29-1] [(Z)-1-[p-Dimethylaminoethoxyphenyl]-1,2-diphenyl-1-butene] Free Base C ₂₈ H ₂₉ NO MW 371.5	100 mg 14.00 250 mg 29.00 1 g 110.00			
156739	TAMOXIFEN [54965-24-1] [(Z)-1-[p-Dimethylaminoethoxyphenyl]-1,2-diphenyl-1-butene] Citrate Salt Protein Kinase C inhibitor C ₂₈ H ₂₉ NO • C ₆ H ₈ O ₇ MW 563.6	100 mg 19.00 250 mg 36.00 1 g 95.00			
638032	TAU MONOCLONAL ANTIBODY Anti-Bovine Clone: TAU-2 Isotype: mouse IgG ₁ Conc/Titer: 1:1,000 Applications: Immunoblotting This product reacts exclusively with the chemically heterogeneous Tau in both the phosphorylated and non-phosphorylated form. It does not react with MAP's or tubulin, and it localizes Tau along microtubules found in axons, somata, dendrites, astocytes, as well as, along ribosomes. It will stain Tau in the Alzheimer neurofibrillary tangles on formalin fixed paraffin embedded sections of human brain tissue. It demonstrates reactivity with human, bovine, monkey and chicken cells or tissues.	0.1 ml 225.00			
657842	TAU POLYCLONAL ANTIBODY Anti-Chicken Host: rabbit Form: pooled delipidized antiserum Conc/Titer: 1:100 Applications: Western blots; dot immunobinding This antibody is produced by repeated injections of tau proteins from chick embryo brain. The antiserum is evaluated for specificity and potency by immunoenzymatic labeling procedures. It will not stain MAP1, MAP2, or tubulin.	0.5 ml 330.00			
				TAXOL A Registered Trademark for Paclitaxel	
159667	γ-TECTORIGENIN [13111-57-4] Inhibits EGF-receptor Tyrosine Kinase, which in turn blocks phosphatidylinositol turnover. Ref.: Imoto, M., et al., J. Antibiotics, 44 , 915 (1991). C ₁₈ H ₁₂ O ₆ MW 300.3	250 μg 137.60			
193719	R(+)-TERGURIDE [37686-84-3] (trans-Dihydroisuride) The dehydrogenated analog of lisuride. A partial dopamine receptor agonist. C ₂₂ H ₂₈ N ₂ O MW 340.5	5 mg 22.05 25 mg 88.20			
193720	S(-)-TERGURIDE [37686-85-4] Maleate Salt Acts as both a dopamine receptor agonist and antagonist. C ₂₂ H ₂₈ N ₂ O • C ₄ H ₄ O ₄ MW 456.5	5 mg 22.05 25 mg 88.20			

Neuroscience

One call. One source.
A world of biomedical products.

1221

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872



Neuroscience Products

CATALOG
NUMBER

U.S. \$

CATALOG
NUMBER

U.S. \$

193963 -20°C	TETANUS TOXIN From <i>Clostridium tetani</i> A potent inhibitor of neurotransmitter release with relative selectivity for GABA and Glycine. It also specifically cleaves synaptobrevin 2 which causes inhibition of neurotransmitter release. Ref.: Matsuda and Yoneeda, Infection and Immunity, 12 , 1147 (1975). MW 150 kDa	10 µg	496.10
153542 RT	TETRAETHYLAMMONIUM CHLORIDE [56-34-8] A potassium channel blocker C ₈ H ₂₀ ClN MW 165.7	25 g 100 g	14.75 40.00
158741 RT	6,7,8,9-TETRAHYDRO-5[H]-BENZOCYCLOHEPTENE-5-OL-4-YLIDENE ACETIC ACID [131733-92-1] (NCS 382) Sodium Salt Purity: 98% Antagonist for γ-hydroxybutyrate (GHB) which blocks sedative and catalytic effects. Ref.: 1. Hechler, V.D., et al., <i>J. Neurochem.</i> , 49 , 1025 (1991). 2. Schmidt, C., et al., <i>Eur. J. Pharmacol.</i> , 203 , 393 (1991).	5 mg 10 mg 50 mg	24.10 38.45 154.75
153622 -20°C	(6R)-5,6,7,8-TETRAHYDRO-L-BIOPTERIN [17528-72-2] Dihydrochloride A co-factor for nitric oxide synthase C ₈ H ₁₃ N ₃ O ₃ • 2HCl MW 314.2	25 mg 50 mg 100 mg	101.25 187.95 361.50
159199 0°C	TETRAHYDROCANNABINOL-7-OIC ACID [39690-06-7] (11-nor-8-Tetrahydrocannabinol-9-carboxylic acid) Purity: 98% A tetrahydrocannabinol metabolite with bronchodilatory, anti-inflammatory and analgesic properties. Acts as a platelet activating factor antagonist and blocks leukocyte adhesion. Ref.: 1. Burstein, S., et al., <i>FASEB J.</i> , 2 , 3024 (1988). 2. Burstein, S., et al., <i>J. Pharmacol. Exp. Ther.</i> , 251 , 531 (1989). 3. Burstein, S., et al., <i>Biochem. Pharmacol.</i> , 35 , 2553 (1986). MW 344.4	1 mg 5 mg	200.65 888.60
	9-(TETRAHYDRO-2-FURANYL)-9H-PURIN-6-AMINE See: SQ 22.536		
159668 0°C	THAPSIGARGICIN [67526-94-7] Purity: 99% Less potent analog of Thapsigargin. It has an n-hexanoate ester rather than n-octanoate on the 2-OH. C ₃₃ H ₄₅ O ₁₂ MW 622.70	1 mg 5 mg	149.00 596.00
158999 -20°C	THAPSIGARGIN [67526-95-8] Purity: 99% Cell permeable sesquiterpene lactone tumor promoter. Inhibits endoplasmic reticulum Ca ²⁺ -ATPase which induces the release of independent intracellular Ca ²⁺ . Ref.: 1. Fujiki, H., et al., <i>Carcinogenesis</i> , 7 , 707 (1986). 2. Takemura, H., et al., <i>J. Biol. Chem.</i> , 264 , 12266 (1989). 3. Thastrup, O., et al., <i>Proc. Natl. Acad. Sci. USA</i> , 87 , 2466 (1990). C ₃₄ H ₅₀ O ₁₂ MW 650.8	1 mg 5 mg	69.50 236.50
103024 RT	THEOPHYLLINE [58-55-9] (1,3-Dimethylxanthine) Crystalline Anhydrous C ₇ H ₈ N ₄ O ₂ MW 180.2	100 g 250 g 500 g 1 kg	15.50 34.00 61.70 92.45

16026 0-5°C	THEOPHYLLINE [8-¹⁴C] Sp. Act. 40-60 mCi/mmol 1.48-2.22 GBq/mmol Ethanol solution. <i>Please call for delivery information.</i> MW 180.17	250 µCi 1 mCi	969.00 1937.00
26051 0-5°C	THEOPHYLLINE [8-³H] Sp. Act. 10-20 Ci/mmol 370-740 GBq/mmol Ethanol solution. <i>Please call for delivery information.</i> MW 180.17	1 mCi	1068.20
159669 0°C	2-(1-THIENYL)ETHYL-3,4-DIHYDROXYBENZYLIDENE-CYANOACETATE [132465-10-2] Purity: 99% Inhibits 12-lipoxygenase. C ₁₈ H ₁₃ NO ₃ S MW 315.3	1 mg 5 mg 25 mg	13.75 41.25 188.00
195065 -20°C	L-THIOCITRULLINE [156719-37-8] Purity: ≥97% Potent and stereo-specific heme-binding inhibitor of brain, endothelial, and inducible smooth muscle isoforms of nitric oxide synthase. Ref.: Narayanan, K. and Griffith, O.W., <i>J. Med. Chem.</i> , 37 , 855 (1994). C ₆ H ₁₁ N ₃ O ₂ S MW 191.3	1 mg 5 mg 25 mg	12.10 38.60 148.85
152129 0-5°C	THIOMUSCIMOL Free base GABA _A receptor agonist Ref.: Krosgarrd-Larsen, et al., <i>J. Neurochem.</i> , 32 , 1717 (1978)	10 mg 25 mg	306.35 425.45
158754 RT	THIOPERAMIDE [106243-16-7] (N-Cyclohexyl-4-(imidazol-4-yl)-1-piperidinecarbothioamide) Maleate Salt Purity: ≥98% Selective and potent antagonist of histamine H ₃ . Ref.: 1. Arrang, J.M., et al., <i>Nature</i> , 327 , 117 (1987). 2. LaBelle, F.S., et al., <i>Brit. J. Pharmacol.</i> , 107 , 161 (1992). C ₁₉ H ₂₆ N ₄ SC ₂ H ₂ O ₂ MW 408.5	5 mg 10 mg 25 mg	53.90 89.40 195.50
156891 RT	THIORIDAZINE [130-61-0] (10-[2-(1-Methyl-2-piperidyl)-ethyl]-2-[methylthio]-phenothiazine) Hydrochloride Purity: 98% Calcium channel antagonist. Also a dopamine antagonist. C ₂₁ H ₂₈ N ₂ S ₂ • HCl MW 407	1 g 5 g 25 g	18.35 40.00 170.00
152841 -20-0°C	DL-THIORPHAN [76721-89-6] [(DL-3-Mercapto-2-benzylpropanoyl)-glycine] A potent and specific enkephalinase inhibitor with antioceptive activity. Ref.: 1. Roques, B.P., et al., <i>Nature</i> , 288 , 286 (1980). 2. Roques, B.P., et al <i>Life Sci.</i> , 31 , 1749 (1982). 3. Evans, D.A., et al., <i>J. Org. Chem.</i> , 50 , 1830 (1985). C ₁₂ H ₁₅ NO ₃ S MW 253.3	1 mg 5 mg 25 mg	21.00 72.10 337.50
153603 RT	THIOTHIXENE [5591-45-7] (N,N-Dimethyl-9-[3-(4-methyl-1-piper-aziny) propylidene]-thioxanthene-2-sulfonamide) Hydrochloride D ₁ /D ₂ Dopamine antagonist. C ₂₃ H ₂₃ N ₃ O ₂ S ₂ • HCl MW 480.1	25 mg 50 mg 100 mg	18.05 28.85 52.00

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999 1222
Outside the U.S.: (714) 545-0100, fax (714) 557-4872

www.icnbiomed.com
Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$
153602	THIP [64603-91-4] (Gaboxadol: 4,5,6,7-Tetra-hydroisoxazolo[5,4-c]pyridin-3-ol) Hydrochloride Post synaptic GABA receptor agonist $C_8H_9N_2O_2 \cdot HCl$ MW 176.5	10 mg 31.80 15 mg 45.55 25 mg 72.25	195851	TRIACSIN C [76896-80-5] Purity: -90% Selectively inhibits arachidonoyl-CoA synthetase in intact cells and the non-specific acyl-CoA synthetase in cell sonicates. MW 207.3	100 µg 262.50 1 mg 1044.75
159000	THYMELEATOXIN [94402-56-1] Purity: 99% Diterpene isolated from <i>Thymelea hirsuta</i> L. which specifically activates α , β , γ -PKC isozymes over δ and ϵ isozymes. $C_{38}H_{56}O_{10}$ MW 628.7	1 mg 310.00	156960	TRIAMTERENE [396-01-0] Purity: 98% Sodium channel blocker $C_{12}H_{11}N_7$ MW 253.3	10 g 24.00 25 g 48.00
156923	TIMOLOL [26921-17-5] ([S]-1-[t-Butylamino]-3-(4-morpholino-1,2,5-t-hiadiazol-3-yl)oxy]-2-propanol) Maleate Salt A β -adrenergic antagonist. $C_{13}H_{24}N_2O_5S \cdot C_4H_4O_4$ MW 432.5	100 mg 35.00 250 mg 77.00 1 g 300.00	195683	TRICYCLODECAN-9-YL XANTHOGENATE [83373-60-8] (D609) Purity: 98% Potassium Salt A selective inhibitor of phosphatidylcholine-specific PLC. Possesses antitumor and antiviral activity. MW 266.5	1 mg 22.00 5 mg 104.00
159670	TINYATOXIN [58821-95-7] Purity: 99% Analog of resinerifatoxin $C_{38}H_{56}O_8$ MW 598.7	500 µg 73.00	190089	TRIFLUOPERAZINE [440-17-5] (10-[3-(4-Methyl-1-piperazinyl)propyl]-2-trifluo-romethylphenothiazine) Dihydrochloride Calmodulin antagonist Ref.: R.M. Levin B. Weiss, J. P. Pharmacol. Exp. Ther., 208, 454 (1978). $C_{21}H_{24}F_3N_3S \cdot 2HCl$ MW 480.4	5 g 23.95 10 g 43.70 25 g 78.65
	TMB-8 See: 3,4,5-Trimethoxybenzoic acid 8-(diethylamino)-octylester		193722	1-(2-TRIFLUOROMETHYL-PHENYL)JIMDAZOLE (TRIM) A potent inhibitor of neuronal and inducible nitric oxide synthase. Ref.: Handy, et al., Br. J. Pharmacol., 116, 2349 (1995). $C_{11}H_{11}N_2F_3$ MW 212.2	10 mg 13.65 50 mg 52.50
159001	TOLAZAMIDE [1156-19-0] (U 17835; 1-[Hexahydro-1H-azepin-1-yl]-3-[p-toluenesulfonyl]urea) Purity: 98% Antidiabetic sulfonylurea that blocks ATP-sensitive potassium ion channels. Ref.: Schmid-Adomarch, H., et al., J. Biol. Chem., 262, 15840 (1987). $C_{12}H_{21}N_3O_3S$ MW 311.4	1 g 7.45 5 g 35.55 25 g 125.00	193723	N-(3-TRIFLUOROMETHYL-PHENYL)PIPERAZINE [16015-69-3] (TFMPP) Hydrochloride A serotonin receptor agonist. $C_{11}H_{13}N_2F_3 \cdot HCl$ MW 266.7	1 g 17.65 5 g 52.90
190274	TOLBUTAMIDE [64-77-7] (3-[p-Tolyl-4-sulfonyl]-1-butylurea) Crystalline $C_{12}H_{19}N_2O_3S$ MW 270.3	25 g 12.50 100 g 34.00 500 g 112.00	153595	TRIFLUPERIDOL [2062-77-3] (R 2498) 4'-Fluoro-4-[4-hydroxy-4(α,α,α-trifluoro-m-to-lyl)piperidino]butyrophenone) Hydrochloride Neuroleptic dopamine antagonist $C_{22}H_{23}FN_2O_2 \cdot HCl$ MW 445.9	25 mg 36.15 50 mg 69.40 100 mg 130.15
16027	TOLBUTAMIDE, [Carbonyl-¹⁴C] Sp. Act. 50-60 mCi/mmol 1.85-2.22 GBq/mmol Ethanol solution. Please call for delivery information. $CH_3C_6H_4SO_2NHCONH(CH_2)_3CH_3$ MW 270.3	10 µCi 192.85 50 µCi 459.65	157047	DL-TRIHEXYPHENIDYL [58947-95-8] Hydrochloride Muscarinic receptor antagonist $C_{23}H_{31}NO \cdot HCl$ MW 337.9	5 g 46.10 10 g 87.20
153594	TRACAZOLATE [41094-88-6] (4-(Butylamino)-1-ethyl-6-methyl-1H-pyrazolo[3,4-b]pyridine-5-carboxylic acid ethyl ester) $C_{18}H_{24}N_4O_2$ MW 304.4	2 mg 21.75 5 mg 43.35 10 mg 79.55	153596	R(-)-2,10,11-TRIHYDROXYAPORPHINE [77630-01-4] (R(-)-2-Hydroxyapomorphine) Hydrobromide Dopamine agonist $C_{17}H_{17}NO_3 \cdot HBr$ MW 364.2	15 mg 57.80 25 mg 94.00 50 mg 173.50
	TRANLYCYPROMINE See: trans-2-Phenylcyclopropylamine			4',5,7-TRIHYDROXYISOFLAVONE See: Genistein	
191518	TRAZODONE [25332-39-2] Hydrochloride A serotonin uptake inhibitor. $C_{19}H_{22}ClN_2O$ MW 408.3	1 g 13.00 5 g 42.65	153597	R(-)-2,10,11-TRIHYDROXY-N-PROPYLNORAPORPHINE [77630-02-5] (TPNA) Hydrobromide 2-OH-NPA D ₂ Dopamine agonist $C_{19}H_{21}NO_3 \cdot HBr$ MW 392.3	2 mg 25.35 5 mg 50.60 10 mg 94.00
159002	TREQUINSIN [78416-81-6] (HL 725) Purity: 98% Specific and extremely potent cGMP-inhibited phosphodiesterase inhibitor. Ref.: Rupert, D. and Weithmann, K.U., Life Sci., 31, 2037 (1982). MW 442	5 mg 84.85 10 mg 146.70			

Neuroscience

One call. One source.
A world of biomedical products.

1223

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872



Neuroscience Products

CATALOG
NUMBER

U.S. \$

CATALOG
NUMBER

U.S. \$

CATALOG NUMBER	U.S. \$	CATALOG NUMBER	U.S. \$
TRIM			
See: 1-(2-Trifluoromethylphenyl)imidazole			
157064 RT	3,4,5-TRIMETHOXYBENZOIC ACID 8-(DIETHYLAMINO) OCTYL ESTER [53464-72-5] (TMB-8; 8-(Diethylamino)octyl-3,4,5-trimethoxybenzoate) Hydrochloride Purity: 98% Inhibits intracellular calcium mobilization Ref.: 1. Chiu, C.Y., et al., Br. J. Pharmacol., 553 , 279 (1985). 2. Donowitz, M., et al., Am. J. Physiol., 250 , G691 (1986). $C_{22}H_{37}NO_5 \bullet HCl$ MW 432	10 mg 20.00 50 mg 86.30	
193724 0-5°C	TRIMETHYL SEROTONIN IODIDE (5-HTQ) A quaternary analog of serotonin, which acts as a 5-HT ₃ serotonin receptor agonist. $C_{13}H_{19}N_2OI$ MW 346.2	1 mg 16.55 5 mg 43.00 10 mg 77.15	
157097 0-5°C	3-(TRIMETHYLSILYL)-1-PROPANESULFONIC ACID [2039-96-5] (DSS; 2,2-Dimethyl-2-silapentane-5-sulfonate) Sodium Salt Purity: 99% Crystalline $C_8H_{19}O_3SSiNa$ MW 218.3	500 mg 15.85 1 g 25.40 5 g 117.40	
153591 RT	1,3,9-TRIMETHYLXANTHINE [519-32-4] (Isocaffeine; 2,6-Dihydroxy-1,3,9-trimethylpurine) $C_8H_{10}N_4O_2$ MW 194.2	25 mg 17.35 50 mg 28.85 100 mg 50.60	
157112 RT	TRIPLENNAMINE [154-69-8] (2-[Benzyl(2-dimethylaminoethyl)amino]pyridine) Hydrochloride Crystalline An H ₁ histamine receptor antagonist. $C_{16}H_{21}N_3 \bullet HCl$ MW 291.8	25 g 36.00 100 g 126.00	
157116 0-5°C	TRIPROLIDINE [6138-79-0] (trans-2-[3-(1-Pyrrolidinyl)-1-p-tolylpropenyl]pyridine) Hydrochloride H ₁ Histamine antagonist $C_{19}H_{23}N_2 \bullet HCl$ MW 314.9	5 g 33.45 25 g 137.20	
157143 RT	TROLEANDOMYCIN [2751-09-9] (Oleandomycin triacetate) Purity: 98% Inhibits cytochrome P-450 mediated nitric oxide release from N ^G -hydroxy-L-arginine. $C_{41}H_{67}NO_{15}$ MW 814	1 g 18.20 5 g 77.00 25 g 380.00	
153592 0-5°C	3-TROPANYL-3,5-DICHLOROBENZOATE [40796-97-2] (MDL 72222) 5-HT ₃ serotonin antagonist $C_{13}H_{17}Cl_2NO_2$ MW 314.2	25 mg 17.35 50 mg 28.85 100 mg 50.60	
193725 0-5°C	3-TROPANYL INDOLE-3-CARBOXYLATE [89565-68-4] Hydrochloride A selective 5-HT ₃ serotonin receptor antagonist. $C_{17}H_{23}N_2O_2 \bullet HCl$ MW 320.8	10 mg 27.55 50 mg 110.25	
153185 -20-0°C	TRP-NLE-ARG-PHE AMIDE [83903-33-7] A molluscan cardioexcitatory neuropeptide analog.	1 mg 30.80 5 mg 135.00 10 mg 260.00	
100612 0-5°C	TRYPSIN INHIBITOR [9035-81-8] From Chicken Eggwhites Essentially Salt-free Lyophilized 1 mg inhibits 1.0-3.0 mg of trypsin.	250 mg 16.70 500 mg 27.85 1 g 46.50 5 g 220.00	
100798 0-5°C	TRYPSIN INHIBITOR [9035-81-8] From Lima Beans Salt-free Lyophilized 1 mg inhibits 2.3-3.0 mg. of trypsin. Stable: 1-2 years Ref.: Fraction III: Arch. Biochem. Biophys. 37 ; 393 (1952).	25 mg 19.80 100 mg 60.50 500 mg 180.00 1 g 350.00	
101113 0°C	TRYPSIN INHIBITOR [9035-81-8] From Soybean Chromatographically prepared, lyophilized, salt free Activity: >10,000 BAEE units of inhibition/mg material Unit Definition: One unit will inhibit one unit of Trypsin activity (BAEE).	25 mg 18.00 100 mg 45.00 250 mg 85.00 500 mg 135.00 1 g 240.00 5 g 950.00	
159003 RT	TUBULOZOLE C [84697-22-3] (R 46846) Hydrochloride Purity: 99% Blocks tubulin polymerization. Ref.: 1. Van Ginckel, R., et al., Eur. J. Cancer Clin. Oncol., 20 , 99 (1984). 2. Geuens, G.M.A., et al., Cancer Res., 45 , 733 (1985). $C_{23}H_{23}N_3O_4SCl_2 \bullet HCl$ MW 544.9	5 mg 37.00 25 mg 130.00	
159004 RT	TUBULOZOLE T (R 64181) Purity: 99% An inactive trans-isomer of Tubulozole C. $C_{23}H_{23}N_3O_4SCl_2 \bullet HCl$ MW 544.9	5 mg 35.00 25 mg 118.00	
150028 0-5°C	TUNICAMYCIN [11089-65-9] From <i>Streptomyces</i> sp. Antibiotic Inhibits many biochemical functions such as synthesis of glycoproteins, procollagen and peptidoglycans; and IgA and IgE secretion by plasma cells. Also affects the fibroblast interferon-cell system. MW 840.0	1 mg 17.10 5 mg 56.90 10 mg 95.15	
193727 0-5°C	TYROSINE PHOSPHORYLATION SITE INHIBITOR PEPTIDE Gly-Ser-Phe-Leu-Val-Arg-Glu-Ser Blocks binding at phosphorylated tyrosine sites. MW 894.0	1 mg 82.70 5 mg 330.75	
159556 0-5°C	bis-TYRPHOSTIN Purity: 99% Inhibitor of protein tyrosine kinases. $C_{23}H_{29}N_7O_6$ MW 448.4	1 mg 13.75 5 mg 41.25 25 mg 151.35	
158818 RT	TYRPHOSTIN A1 [2826-26-8] Purity: >99% An inactive tyrosinostin which may be used as a negative control in tyrosine kinase inhibition assays. Ref: 1. Gazit, A., et al., (1989), <i>J. Med. Chem.</i> , 32 , 2344. $C_{11}H_{12}N_2O$ MW 184.2	20 mg 62.65 100 mg 250.40	

Neuroscience

To place an order: (800) 854-0530, fax (800) 334-6999 1224
Outside the U.S.: (714) 545-0100, fax (714) 557-4872

www.icnbiomed.com
Email: sales@icnbiomed.com

Neuroscience Products



CATALOG NUMBER		U.S. \$	CATALOG NUMBER		U.S. \$		
158819 RT	TYRPHOSTIN A9 [10537-47-0] (RG-50872)	50 mg 250 mg	71.40 284.25	159679 0-5°C	TYRPHOSTIN A48 (3-Amino-2,4-dicyano-5-[4'-hydroxyphenyl]penta-2,4-dienitrile) Purity: 99% C ₁₃ H ₈ N ₄ O MW 236.2	5 mg 25 mg 100 mg	13.75 51.60 183.45
	Purity: >99% Tyrphostin 9 is a selective inhibitor of the PDGF receptor tyrosine kinase (IC ₅₀ =1.2 μM) ^{1,2} . It is also a potent (10 nM) uncoupler of oxidative phosphorylation ³ . Ref: 1. Levitzki, A. and Gilon, (1991), <i>Trends Pharmacol. Sci.</i> , 12 , 171. 2. Bilder, G.E., et al., (1991), <i>Am. J. Physiol.</i> , 260 , C721. 3. Terada, H., (1981), <i>Biochem. Biophys. Acta</i> , 639 , 225. C ₁₆ H ₁₂ N ₂ O MW 282.4						
193728 RT	TYRPHOSTIN A10 (AG-126)	5 mg 25 mg	86.00 328.55	159680 0-5°C	TYRPHOSTIN A63 [5553-97-9] ([4-Hydroxybenzyl]malonanitrile) Purity: 99% Useful as a negative control. C ₁₀ H ₈ N ₂ O MW 172.2	1 mg 5 mg 25 mg	13.75 42.40 169.70
	Purity: >99% Inhibits tyrosine kinase-dependent B-cell receptor signalling. Also reported to prevent septic shock in mice. Ref.: 1. Sarmay, G., et al., <i>Proc. Natl. Acad. Sci. USA</i> , 91 , 4140 (1994). 2. Roifman, C.M. and Wong, G., <i>J. Immunol.</i> , 149 , 1179 (1992). C ₁₇ H ₁₃ N ₃ O ₃ MW 215.3						
158820 RT	TYRPHOSTIN A23 [118409-57-7] (RG-50810)	10 mg 50 mg	73.80 300.55	158816 0°C	TYRPHOSTIN B7 (AG-370) AG-370 is a member of the tyrphostin family of tyrosine kinase inhibitors and is a selective inhibitor of the PDGF receptor kinase (IC ₅₀ =20 μM) versus the EGF receptor kinase. Ref: 1. Levitzki, A. and Gilon C. (1991) <i>Trends Pharmacol. Sci.</i> , 12 : 171. 2. Levitzki, A. et al. (1991) <i>Methods Enzymol.</i> , 201 : 370.	2 mg	106.70
	Purity: >99% A potent inhibitor of EGF receptor kinase activity ^{1,2,3} . Ref: 1. Gazit, A., et al., (1989), <i>J. Med. Chem.</i> , 32 , 2344. 2. Lyall, R.M., et al., (1989), <i>J. Biol. Chem.</i> , 264 , 14503. 3. Yaish, P., et al., (1988), <i>Science</i> , 242 , 933. C ₁₀ H ₈ N ₂ O ₂ MW 186.1						
158821 RT	TYRPHOSTIN A25 [118409-58-8] (RG-50875)	5 mg 25 mg	75.05 300.55	193729 0-5°C	TYRPHOSTIN B42 (AG-490) N-Benzyl-3,4-dihydroxy-α-cyanocinnamide) Purity: >99% A protein tyrosine kinase inhibitor. C ₁₇ H ₁₄ N ₂ O ₃ MW 294.3	5 mg 10 mg 25 mg	44.10 82.70 165.35
	Purity: >99% A potent inhibitor of EGF receptor kinase activity ^{1,2,3} . Ref: 1. Gazit, A., et al., (1989), <i>J. Med. Chem.</i> , 32 , 2344. 2. Bilder, G.E., et al., (1991), <i>Am. J. Physiol.</i> , 260 , C721. 3. Yaish, P., et al., (1988), <i>Science</i> , 242 , 933. C ₁₀ H ₈ N ₂ O ₃ MW 202.1						
159678 0-5°C	TYRPHOSTIN A46 [122520-85-8] (3,4-Dihydroxy-α-cyanocinnamide)	5 mg 25 mg 100 mg	17.20 57.35 194.95	193731 0-5°C	TYRPHOSTIN B46 (AG-555) N-(3-Phenylpropyl)-3,4-dihydroxy-α-cyanocinnamide) Purity: >99% A protein tyrosine kinase inhibitor. C ₁₉ H ₁₈ N ₂ O ₃ MW 322.4	5 mg 10 mg 25 mg	44.10 82.70 165.35
	Purity: 99% Inhibitor of EGF receptor tyrosine kinase activity. C ₁₀ H ₈ N ₂ O ₃ MW 204.2						
158822 RT	TYRPHOSTIN A47 [122520-86-9] (RG-50864)	5 mg 25 mg	86.35 340.60	158817 RT	TYRPHOSTIN B48 (AG-494) Purity >99% AG-494 is a member of the tyrphostin family of tyrosine kinase inhibitors and is a potent inhibitor of EGF receptor auto-phosphorylation (IC ₅₀ =1.2 μM) and EGF-dependent cell growth (IC ₅₀ =6 μM) ¹ . MW 280.3 Ref: 1. Levitzki, A. et al. (1991) <i>Methods Enzymol.</i> , 201 : 370.	10 mg 50 mg	62.65 250.40
	Purity: >99% A potent inhibitor of EGF receptor kinase activity ^{1,2,3} . Ref: 1. Gazit, A., et al., (1989), <i>J. Med. Chem.</i> , 32 , 2344. 2. Lyall, R.M., et al., (1989), <i>J. Biol. Chem.</i> , 264 , 14503. 3. Yaish, P., et al., (1988), <i>Science</i> , 242 , 933. C ₁₀ H ₈ N ₂ O ₂ S MW 220.2						
152960 -20-0°C	TYR-PRO-LEU-GLY AMIDE (Tyr ¹ -Oxytocin, Fragment 6-9; Tyr-MIF-1; Tyr-Melanocyte-stimulating Hormone-Release Inhibiting Factor) This C-terminal tripeptide of oxytocin, has activity in numerous behavioral tests and clinical situations. This compound has antiopiate activity. Ref: 1. Zadina, J.E., et al, <i>Pharmacol. Biochem. Behav.</i> , 17 , 1193 (1982). 2. Kasin, A.J., et al., <i>Pharmacol. Biochem. Behav.</i> , 23 , 1045 (1985).	5 mg 25 mg	10.30 46.00				

One call. One source.
A world of biomedical products.

1225

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872

-U-

158833 RT	U-0521 [5466-89-7] (3',4'-Dihydroxy-2-methylpropionophenone) Purity: > 98% Catechol-O-methyltransferase (COMT) inhibitor. Ref: 1. Bryan, L.J., et al., (1983), <i>Naunyn Schmiedeberg's Arch. Pharmacol.</i> , 322 , 6. 2. Reches, A. & Fahn, S., (1984), <i>Adv. Neural.</i> , 40 , 1716. 3. Duncan, P.G., et al., (1985), <i>Eur. J. Pharmacol.</i> , 108 , 39. MW 180.2	20 mg 100 mg	57.60 227.90
	U-10858 See: Minoxidil		
	U-17835 See: Tolazamide		
159005 RT	U-73122 [112648-68-7] (1-[6-[(17β-3-Methoxyestra-1,3,5-(10)-trien-1-7-yl)amino]hexyl]-1H-pyrrole-2,5-dione) Purity: 98% Inhibitor of phospholipase C activation in human platelets and neutrophils. Inhibits down regulation of muscarinic receptors. Ref.: 1. Smith, R.J., et al., <i>J. Pharmacol. Exp. Ther.</i> , 253 , 688 (1990), 2. Bleasdale, J.E., et al., <i>ibid.</i> , 255 , 756 (1990), 3. Thompson, A.K., et al., <i>J. Biol. Chem.</i> , 266 , 23856 (1991). C ₂₃ H ₄₀ N ₂ O ₃ MW 464.7	5 mg 10 mg	65.00 125.00
	U-73343 [142878-12-4] (1-[6-[(17β-3-Methoxyestra-1,3,5-(10)-trien-17-yl)amino]hexyl]-2,5-pyrrolidone-dione) Inactive analog of U73122 which is used as a negative control. Ref.: 1. Smith, R.J., et al., <i>J. Pharmacol. Exp. Ther.</i> , 253 , 688 (1990), 2. Bleasdale, J.E., et al., <i>ibid.</i> , 255 , 756 (1990). C ₂₃ H ₄₂ N ₂ O ₃ MW 466.7	1 mg 5 mg	58.00 190.00
	U-7984 See: Decoyinine		
193736 RT	URAPIDIL [64887-14-5] Hydrochloride An α ₁ -adrenoceptor antagonist and partial 5-HT _{1A} serotonin receptor agonist. C ₂₀ H ₂₃ N ₃ O ₃ • HCl MW 423.9	25 mg 100 mg 250 mg	18.00 70.00 150.00
	-V-		
105010 0-5°C	VALINOMYCIN [2001-95-8] Purity: ≥93% Crystalline A metabolite with a broad antibiotic spectrum. Inhibitor of mitochondrial action. C ₅₂ H ₉₃ N ₆ O ₁₈ MW 1111.4	5 mg 10 mg 25 mg 100 mg	17.80 29.70 52.40 177.85
	VANCOMYCIN [123409-00-7] Hydrochloride Potency approx. 1000 µg/mg Inhibits bacterial mucopeptide biosynthesis.	100 mg 250 mg 1 g 5 g	16.35 30.65 97.85 384.35
152962 -20-0°C	[Arg⁸]-VASOPRESSIN [113-79-1] (AVP; Arginine Vasopressin; Antidiuretic Hormone; β-Hypophamine; Cys-Tyr-Phe-Gln-Asn-Cys-Pro-Arg-Gly-NH ₂) Contains disulfide bond between Cys ¹ and Cys ⁵ .	0.5 mg 1 mg 5 mg	15.20 25.20 80.70

152964 -20-0°C	[Asu^{1,6},Arg⁸]-VASOPRESSIN [40944-53-4] (Tyr-Phe-Gln-Asn-Asu-Pro-Arg-Gly-NH ₂) Contains bond between Tyr and Asu. An analog of arginine vasopressin. Ref: Hase, S., et al., <i>J. Am. Chem. Soc.</i> , 94 , 3590 (1972).	0.5 mg 1 mg	41.45 80.00
	[D-amino-Pen¹,O-Me-Tyr²,Arg⁸]-VASOPRESSIN [67269-08-3] (3-Mercapto-3-methylbutyryl-Tyr[O-Methyl]-Phe-Gln-Asn-Cys-Pro-Arg-Gly-NH ₂) Contains disulfide bond between 3-mercapto group and Cys.	0.5 mg 1 mg	39.85 54.55
152969 -20-0°C	[β-Mercapto-β,β-cyclopentamethylenepropionyl¹,O-Me-Tyr²,Arg⁸]-VASOPRESSIN [73168-24-8] (Manning Compound; [1-Mercapto-cyclohexyl]acetyl-Tyr[O-Methyl]-Phe-Gln-Asn-Cys-Pro-Arg-Gly-NH ₂) Contains disulfide bond between mercapto-cyclohexyl group and Cys. An antagonist of arginine vasopressin. Ref: Kruszyn i, M., et al., <i>J. Med. Chem.</i> , 23 , 364 (1980).	0.5 mg 1 mg	45.00 74.80
	S(-)-VERAPAMIL [36822-28-3] C ₂₇ H ₃₈ N ₂ O ₄ • HCl MW 491.0	2 mg 5 mg 10 mg	144.60 216.95 426.65
195545 RT	(±)-VERAPAMIL [52-53-9] Hydrochloride α ₁ -Antagonist and calcium channel modulator Ref.: Atlas, D. and Adler, M., <i>Proc. Nat. Acad. Sci. U.S.A.</i> , 78 , 1237 (1981). C ₂₇ H ₃₈ N ₂ O ₄ • HCl MW 491.1	1 g 5 g 10 g	29.95 94.85 170.95
	R(+)-VERAPAMIL [38176-10-2] Hydrochloride C ₂₇ H ₃₈ N ₂ O ₄ • HCl MW 491.0	2 mg 5 mg 10 mg	72.25 144.60 282.05
159007 -20°C	VERATRIDINE [71-62-5] Free Base Purity: 98% Activates sodium ion channels. It also prevents inactivation of sodium channels. Results in larger negative activation potentials. Ref.: 1. Ielbowitz, M.D., et al., <i>J. Gen. Physiol.</i> , 87 , 25 (1986), 2. Sutro, J. B., <i>ibid.</i> , 87 , 1 (1986), 3. Rando, T.A., et al., <i>J. Pharmacol. Exp. Ther.</i> , 29 , 467 (1986), 4. Rando, T.A., <i>J. Gen. Physiol.</i> , 93 , 43 (1989). C ₃₈ H ₅₁ NO ₁₁ MW 673.8	10 mg 5x10 mg	76.95 380.00
	(±)-VESAMICOL [120447-62-3] (AH-5183) Hydrochloride C ₁₇ H ₂₅ NO • HCl MW 295.5	100 mg 150 mg 250 mg	30.30 43.40 68.80
153589 0-5°C	D-(+)-VESAMICOL [112709-60-1] Hydrochloride C ₁₇ H ₂₅ NO • HCl MW 295.5	15 mg 25 mg 50 mg	68.80 110.20 206.60
	L-(-)-VESAMICOL [112709-59-8] Hydrochloride C ₁₇ H ₂₅ NO • HCl MW 295.5	10 mg 15 mg 25 mg	62.00 89.55 137.70
190687 0-5°C	VINCISTINE SULFATE [2068-78-2] Purity: -9% An anti-tumor alkaloid used in cancer research. Ref.: <i>Cancer Res.</i> , 38 , 4722 (1978). C ₄₈ H ₅₈ N ₈ O ₁₇ S MW 923	1 mg 5 mg 25 mg	34.10 111.05 496.80

Neuroscience Products



CATALOG NUMBER		U.S. \$
159008 RT	VINPOCETINE	20 mg 64.20
	[42971-09-5]	50 mg 153.10
	Purity: 98% Specific Ca ²⁺ -calmodulin-dependent phosphodiesterase inhibitor. Ref.: 1. Ahn, H.S., et al., <i>Biochem. Pharmacol.</i> , 38 , 33331 (1989). 2. Hagiwara, M., et al., <i>Biochem. Pharmacol.</i> , 33 , 453 (1984). C ₂₂ H ₂₈ N ₂ O ₂ MW 350.5	100 mg 292.35

-W-

W-5	See: N-(6-Aminohexyl)-1-naphthalenesulfonamide
W-7	See: N-(6-Aminohexyl)-5-chloro-1-naphthalenesulfonamide
W-12	See: N-(4-Aminobutyl)-2-naphthalenesulfonamide
W-13	See: N-(4-Aminobutyl)-5-chloro-2-naphthalenesulfonamide

195720 RT	WATER, For PCR Applications	1 vial 11.50
	[7732-18-5] 18 Megohm, Sterile Filtered DNase, RNase - None detected Ideal for use in polymerase chain reactions (PCR). Each vial = 1.5 ml water. H ₂ O MW 18.02	5 vials 42.50

WB-4101

See: 2-(2,6-Dimethoxyphenoxyethyl)aminomethyl-1,4-benzodioxane

195690 0°C	WORTMANNIN	1 mg 30.50
	[19545-26-7] A fungal metabolite which potently and selectively inhibits phosphatidylinositol 3-kinase. It also inhibits fMLP induced PIP ₃ and superoxide anion production in guinea pig neutrophils. It blocks insulin metabolic effects in rat adipocytes without affecting the insulin receptor tyrosine kinase activity. C ₂₃ H ₂₆ O ₈ MW 428.4	5 mg 120.65

-X-

153585 RT	XANTHINE AMINE CONGENER	2 mg 25.35
	[96865-92-8] (XAC)	5 mg 50.60
	(8-[4-[[[(2-Aminoethyl)amino]carbonyl]methyl]oxy]phenyl]-1,3-dipropylxanthine) A ₁ Adenosine receptor antagonist C ₂₁ H ₂₈ N ₆ O ₄ MW 428.5	10 mg 94.00
153581 RT	XYLAMINE	10 mg 39.00
	[57913-68-5]	15 mg 54.70
	(N-(2-Chloroethyl)-N-ethyl-2-methylbenzylamine) Xylamine is a selectively irreversible inhibitor of norepinephrine uptake into central and peripheral noradrenergic neurons. Hydrochloride C ₁₃ H ₁₈ ClN MW 248.2	25 mg 86.75

-Y-

195546 RT	YOHIMBINE	1 g 12.30
	[65-19-0]	5 g 35.85
	Hydrochloride	10 g 64.60
	Crystalline	25 g 128.65
	α ₂ -Adrenergic antagonist C ₂₁ H ₂₈ N ₂ O ₃ • HCl MW 390.9	100 g 355.80

YS-035

See: N,N-bis(3,4-Dimethoxyphenylethyl)-N-methylamine

CATALOG NUMBER		U.S. \$
----------------	--	---------

-Z-

158829 RT	ZAPA	10 mg 119.05
	[92138-10-8] (Z-3-(Amidinothio)propenoic acid) Purity: >98% More potent than either GABA or muscimol as an agonist at low affinity GABA _A receptors. MW 146.2 Ref: 1. Allan, R.D. et al. (1986) <i>Br. J. Pharmacol.</i> 88 : 379.	25 mg 261.95
156931 RT	ZAPRINAST	20 mg 49.90
	[37762-06-4] (1,4-Dihydro-5-[2-propoxyphenyl]-7H-1,2,3-triazolo[4,5-d]pyrimidine-7-one; M & B 22948) Purity: 98% Selective cGMP specific phosphodiesterase inhibitor. Ref.: 1. Gillespie, P.G., et al., <i>Mol. Pharmacol.</i> , 36 , 773 (1989). 2. Burns, F., et al., <i>Biochem. J.</i> , 238 , 487 (1992). C ₁₃ H ₁₃ N ₃ O ₂ MW 271.3	50 mg 123.00
		100 mg 244.00
153582 RT	ZIMELIDINE	10 mg 39.00
	Dihydrochloride	15 mg 54.70
	Monohydrate Serotonin uptake inhibitor C ₁₈ H ₁₇ N ₂ Br • 2HCl • H ₂ O MW 408.2	25 mg 86.75

One call. One source.
A world of biomedical products.

1227

To place an order: (800) 854-0530, fax (800) 334-6999
Outside the U.S.: (714) 545-0100, fax (714) 557-4872