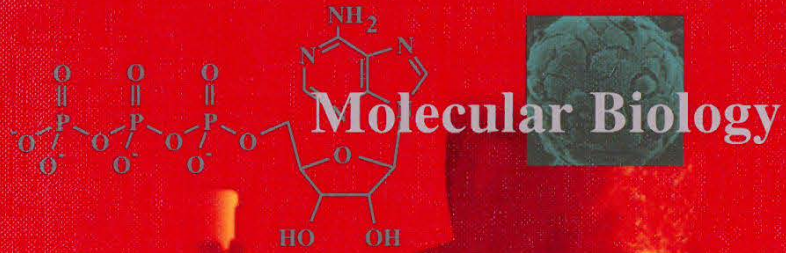
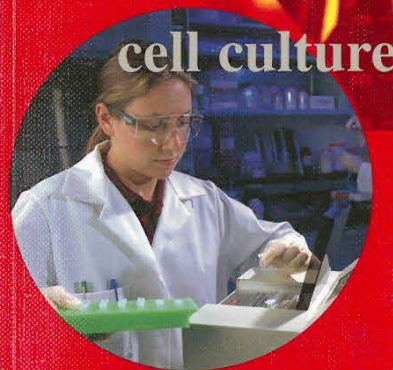


BIOCHEMICALS AND REAGENTS FOR LIFE SCIENCE RESEARCH

1998



SIGNAL TRANSDUCTION



IMMUNOCHEMICALS



NEW
PRODUCTS

ALPHABETICAL
LIST

BIOACTIVE
PEPTIDES

IMMUNO-
CHEMICALS

MOLECULAR
BIOLOGY

TISSUE
CULTURE

OTHER
PRODUCT
GROUPS/
USP

EQUIPMENT
BOOKS AND
SUPPLIES

DIAGNOSTIC
KITS AND
REAGENTS

PRODUCT
INDEX

COMPOUNDS

ALPHABETICAL LIST OF COMPOUNDS

US \$	PRODUCT NUMBER	US \$
88.85	C 7788 [2-8°C]	CARBOXYETHYLTHIOETHYL 2-ACETAMIDO-4-O-[2-ACETAMIDO-2-DEOXY-β-D-GLUCOPYRANOSYL-6-O-[α-L-FUCOPYRANOSYL]-2-DEOXY-β-D-GLUCOPYRANOSIDE-BSA CONJUGATE ((β-D-GlcNAc-[1→4]-[α-L-Fuc-[1→6]]-β-D-GlcNAc-1→O-CETE) _n -BSA) Approx. 10-30 moles trisaccharide per mole BSA Ref.: Montreuil, J., Adv. Carbohydr. Chem. Biochem., 37 , 157 (1980).
289,		
67.95		
289,		
	C 7913 [2-8°C]	CARBOXYETHYLTHIOETHYL 2-ACETAMIDO-2-DEOXY-4-O-β-D-GALACTOPYRANOSYL-β-D-GLUCOPYRANOSIDE-BSA CONJUGATE ((β-D-Gal-[1→4]-β-D-GlcNAc-1→O-CETE) _n -BSA) Approx. 15-25 moles disaccharide per mole BSA Ref.: Lis, H., et al., Phytochemistry, 24 , 2803 (1985).
42.80		
97.20		
171.30		
	C 7538 [2-8°C]	CARBOXYETHYLTHIOETHYL 4-O-α-D-GALACTOPYRANOSYL-β-D-GALACTOPYRANOSIDE-BSA CONJUGATE ((α-D-Gal-[1→4]-β-D-Gal-1→O-CETE) _n -BSA) 15-30 moles disaccharide per mole BSA Ref.: Leffler, H. and Svanborg-Eden, C., FEMS Microbiol. Lett., 8 , 127 (1980).
229		
	C 0539 [2-8°C]	CARBOXYETHYLTHIOETHYL 4-O-(4-O-[6-O-α-D-GLUCOPYRANOSYL-α-D-GLUCOPYRANOSYL]-α-D-GLUCOPYRANOSYL)-β-D-GLUCOPYRANOSIDE-BSA CONJUGATE ((α-D-Glc-[1→6]-[α-D-Glc-[1→4]-α-D-Glc-[1→4]-β-D-Glc-1→O-CETE) _n -BSA) Approx. 10-20 moles tetrasaccharide per mole BSA.
66.15		
264.60	C 0537 [2-8°C]	5-CARBOXYFLUORESCIN 99% (HPLC) [76823-03-5] C ₂₁ H ₁₂ O ₇ FW 376.3
classmic	C 0662 [2-8°C]	6-CARBOXYFLUORESCIN Approx. 97% (HPLC) [3301-79-9] C ₂₁ H ₁₂ O ₇ FW 376.3
982).		
38.20		
63.65	C 7153 [2-8°C]	5(6)-CARBOXYFLUORESCIN Mixed isomers Approx. 99% (HPLC) A probe for liposome-cell interactions. Ref.: Ralston, E., et al., Biochim. Biophys. Acta, 649 , 133 (1981). C ₂₁ H ₁₂ O ₇ FW 376.3
46.65	C 4916 [2-8°C]	5-CARBOXYFLUORESCIN DIACETATE (5-CFDA) Approx. 95% (HPLC) Ref.: Bruning, J.W., et al., J. Immunol. Methods., 73 , 33 (1980). [79955-27-4] C ₂₃ H ₁₆ O ₉ FW 460.4 R: 45-46-23/24/25-36/37/38 S: 45-26-36/37/39-22
37.30		
17.30		
57.50	C 5041 [2-8°C]	6-CARBOXYFLUORESCIN DIACETATE (6-CFDA) Approx. 95% (HPLC) Ref.: Goodall, H., et al., Nature, 295 , 524 (1982). [3348-03-6] C ₂₃ H ₁₆ O ₉ FW 460.4 R: 23/24/25-36/37/38 S: 45-26-36/37/39
191.55		
43.30		
122.60	C 8166 [2-8°C]	5(6)-CARBOXYFLUORESCIN DIACETATE Mixed isomers Approx. 95% (HPLC) C ₂₃ H ₁₆ O ₉ FW 460.4

page 5. How to use catalog - page 2.

PRODUCT NUMBER	US \$	PRODUCT NUMBER	US \$
C 4272 [2-8°C]	D-γ-CARBOXYGLUTAMIC ACID [64153-47-5] C ₆ H ₉ NO ₆ FW 191.1	1 mg 31.75 5 mg 122.85 10 mg 220.70	
C 3767 [2-8°C]	DL-γ-CARBOXYGLUTAMIC ACID Free Acid Crystalline [56271-99-9] C ₆ H ₉ NO ₆ FW 191.1	1 mg 15.75 5 mg 52.50 25 mg 207.90	
C 4147 [2-8°C]	L-γ-CARBOXYGLUTAMIC ACID [53861-57-7] C ₆ H ₉ NO ₆ FW 191.1	500 μg 14.50 1 mg 24.15 5 mg 76.60	
C 3586 [2-8°C]	(S)-4-CARBOXY-3-HYDROXY-L-PHENYLGLYCINE (RS-3C4H-PG) Metabotropic GluR ₂ agonist and GluR ₁ antagonist Ref.: 1. Birse, E.F., et al., Neuroscience, 52 , 481 (1993). 2. Orlando, L.R., et al., Neurosci. Lett., 202 , 109 (1995). [53148-82-9] C ₉ H ₉ NO ₅ FW 211.2 R: 36/37/38 S: 26-36	1 mg 31.35 5 mg 125.40	
C 5511 [2-8°C]	N-(4-CARBOXY-3-HYDROXY-PHENYL)MALEIMIDE Irreversible inhibitor of LDH isoenzyme M. Ref.: Carvajal, G., et al., National Cancer Institute Monograph No. 27, 111 (1967). [19232-43-0] C ₁₁ H ₉ NO ₅ FW 233.2	250 mg 18.40	
	5-CARBOXY-4-HYDROXY-2-THIOPYRIMIDINE See: 5-Carboxy-2-thiouracil Page 239		
	2-CARBOXY-3-CARBOXYMETHYL-4-ISOPROPENYLPYRROLIDINE See: Kainic Acid Page 650		
	CARBOXYLESTERASE See: Esterase Page 447		
C 6046 [2-8°C]	20-CARBOXY-LEUKOTRIENE B₄ Minimum 90% (HPLC) Approx. 1 mg per ml in ethanol [80434-82-8] C ₂₀ H ₃₀ O ₆ FW 366.5 R: 11-36/37/38 S: 16-26-36	25 μg 137.20 Shipped in dry ice	
C 8783 [2-8°C]	7-CARBOXYMETHOXY-4-METHYL-COUMARIN [64700-15-8] C ₁₂ H ₁₀ O ₅ FW 234.2 R: 36/37/38 S: 26-36	1 g 39.10	
	N,N-bis(2-[bis(CARBOXYMETHYL)AMINO]ETHYL)-GLYCINE See: Diethylenetriaminepentaacetic Acid Page 385		
	2-[(2-bis(CARBOXYMETHYL)AMINO-5-METHYL-PHENOXY)METHYL]-6-METHOXY-8-BIS(CARBOXYMETHYL)AMINOQUINOLINE See: Quin 2 Page 965		
	2-[(2-bis(CARBOXYMETHYL)AMINO-5-METHYL-PHENOXY)METHYL]-6-METHOXY-8-bis-(CARBOXYMETHYL)AMINOQUINOLINE-tetrakis-(ACETOXYMETHYL) ESTER See: Quin 2-AM Page 965		
	3,3'-bis[N,N-di(CARBOXYMETHYL)AMINOMETHYL]-THYMOLPHTHALEIN See: Thymolphthalein Complexone Page 1065		
C 4947 [2-8°C]	CARBOXYMETHYLAMYLOSE Sodium Salt Contains up to 4% ethanol [12768-31-9] R: 36/37/38 S: 26-36	1 g 14.00 5 g 52.55 25 g 204.90	

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PRODUCT NUMBER	US \$	PRODUCT NUMBER	US \$
C 5678 [2-8°C]	CARBOXYMETHYLCELLULOSE Sodium Salt A completely water-soluble polymer; not an ion exchanger. CM-Cellulose cation exchanger is listed in the Chromatography Section Page 1893 USP Grade See: Page 2158 [9004-32-4]	500 g 31.00 1 kg 41.95 2.5 kg 93.35	
C 4888 [2-8°C]	Low viscosity Viscosity of 4% aqueous solution at 25°C: 50-200 cps		
C 5013 [2-8°C]	Medium Viscosity Viscosity of 2% aqueous solution at 25°C: 400-800 cps		
C 6206 [2-8°C]	High Viscosity Viscosity of 1% aqueous solution at 25°C: 1500-3000 cps		
	CARBOXYMETHYL-CELLULOSE HYDRAZIDE See under: Affinity Chromatography Media Page 1925		
C 7757 [2-8°C]	S-CARBOXYMETHYL-L-CYSTEINE Crystalline [638-23-3] C ₅ H ₉ NO ₃ S FW 179.2	1 g 6.05 5 g 10.70 25 g 23.00 100 g 83.10	
C 6206 [2-8°C]	N-CARBOXYMETHYL-6-(2,2-DICYANOVINYLL)-1,2,3,4-TETRAHYDROQUINOLINE (CDCQ) Minimum 98% (HPLC) Fluorescent molecular rotor Ref.: 1. Ito, T., et al., J. Biochem., 113 , 196 (1993). 2. Iwaki, T., et al., Biochemistry, 32 , 7589 (1993). [47072-52-6] C ₁₂ H ₁₃ N ₃ O ₂ FW 267.3 R: 36/37/38 S: 26-36	25 mg 235.95	
	tris(CARBOXYMETHYL)ETHYLENEDIAMINE-AGAROSE See under: Affinity Chromatography Media Page 1953		
C 3205 [2-8°C]	Nα,Nβ-bis(CARBOXYMETHYL)-L-LYSINE (N-[5-Amino-1-carboxypentyl]-iminodiacetic acid) Trifluoroacetate Salt Approx. 95% (TLC) Ref.: Hochuli, E., et al., J. Chrom., 411 , 177 (1987). [160369-83-5] C ₁₀ H ₁₈ N ₂ O ₆ • C ₂ F ₃ O ₂ H FW 376.3	50 mg 37.50 250 mg 125.00	
	CARBOXYMETHYL SEPHADEX See: Ion Exchangers and Gel Filtration Media Page 1892		
	N-CARBOXYMETHYL-L-PHENYLALANYL-L-LEUCINE See: Bioactive Peptides Page 1164		
C 6513 [2-8°C]	1-(CARBOXYMETHYL)PYRIDINIUM CHLORIDE HYDRAZIDE (Girard's Reagent P) Crystalline [1126-58-5] C ₇ H ₁₀ ClN ₃ O FW 187.6	25 g 14.60	
C 1757 [2-8°C]	(CARBOXYMETHYL)TRIMETHYL-AMMONIUM CHLORIDE HYDRAZIDE (Girard's Reagent T) Crystalline [123-46-6] C ₅ H ₁₄ N ₃ OCl FW 167.6	100 g 26.20	
	6-CARBOXYMETHYLURACIL See: Uracil-4-acetic Acid Page 1114		
	6-CARBOXY-5-NITRO-2,4-DIOXYPYRIMIDINE See: 5-Nitrouracil Page 799		
	3-CARBOXY-4-NITROPHENYL DISULFIDE See: 5,5'-Dithiobis(2-nitrobenzoic acid) Page 423		

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USP PRODUCTS

PRODUCT NUMBER	US S	US S
C 8231 [299-28-5] RT	CALCIUM GLUCONATE, USP Anhydrous $C_{12}H_{22}CaO_{14}$ FW 430.4	100 g 17.05 500 g 56.75 1 kg 102.25
C 8356 [5743-47-5] 2-8°C	CALCIUM LACTATE, USP Pentahydrate $C_8H_{10}CaO_5 \cdot 5H_2O$ FW 308.3	250 g 32.95 500 g 54.90 1 kg 98.90
C 8731 [137-08-6] 2-8°C	CALCIUM PANTOTHENATE, USP $C_{18}H_{32}CaN_2O_{10}$ FW 476.5	25 g 42.45 100 g 137.75 1 kg 1179.40
C 8606 [7757-93-9] RT	CALCIUM PHOSPHATE, Dibasic, USP $CaHPO_4$ FW 136.1 R: 36/37/38 S: 26-36	100 g 10.75 500 g 35.75 2.5 kg 135.45
C 8856 [62571-86-2] RT	CAPTROPIL, USP [(2S)-1-[3-Mercapto-2-methyl-propionyl]-L-proline] $C_9H_{13}NO_3S$ FW 217.3 R: 62-43 S: 36-22	1 g 28.80 5 g 95.30 25 g 316.85
C 8981 [298-46-4] 2-8°C	CARBAMAZEPINE, USP $C_{15}H_{12}N_2O$ FW 236.3 R: 22-42/43 S: 36/37/39-22	5 g 36.55 25 g 114.90
C 9231 [4800-94-6] 2-8°C	CARBENICILLIN, USP Disodium Salt $C_{17}H_{16}N_2O_6SNa_2$ FW 422.4 R: 42/43 S: 36	1 g 93.80 5 g 321.90 10 g 608.90
C 9481 [9004-32-4] RT	CARBOXYMETHYLCELLULOSE, USP Sodium Salt Medium Viscosity [9004-32-4]	500 g 50.20 1 kg 68.00 2.5 kg 150.95
C 9606 [8001-79-4] RT	CASTOR OIL, USP R: 36/38 S: 26-36	500 ml 39.20 1 liter 70.65
C 0732 [6004-24-6] RT	CETYLPIRIDINIUM CHLORIDE, USP (1-Hexadecylpyridinium chloride) Monohydrate $C_{21}H_{36}ClN \cdot H_2O$ FW 358.0 S: 26-36	100 g 26.40 1 kg 187.70 5 kg 595.25
C 7606 [56-75-7] RT	CHARCOAL, ACTIVATED, USP R: 20-36/37/38 S: 22-26-36	125 g 26.65 500 g 75.75 2.5 kg 171.40
C 0857 [56-75-7] RT	CHLORAMPHENICOL, USP (Chloromycetin; D-[1-threo-2-Dichloroacetamido-1- β -nitrophenyl]-1,3-propanediol) $C_{11}H_{12}Cl_2N_2O_5$ FW 323.1 R: 45-46-63-42/43 S: 45-36/37/39	25 g 49.05 100 g 158.40 500 g 615.40
C 0982 [69-09-0] RT	CHLORPROMAZINE, USP Hydrochloride $C_{17}H_{19}ClN_2S \cdot HCl$ FW 355.3 R: 26-25-36/37/38 S: 45-26-36/37/39-22	5 g 18.55 25 g 47.35 100 g 126.45
C 1357 [67-97-0] 2-8°C	CHOLECALCIFEROL, USP (Activated 7-dehydrocholesterol; Vitamin D ₃) $C_{27}H_{44}O$ FW 384.6 R: 60-64-63-25 S: 45-36/37/39	250 mg 17.65 1 g 29.05 25 g 371.25
C 1857 [77-92-9] RT	CITRIC ACID, USP Anhydrous $C_6H_8O_7$ FW 192.1 R: 41-37/38 S: 26-36	100 g 13.00 1 kg 92.85 25 kg 1750.00

(Continued)

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Shipping information - page 5.

PRODUCT NUMBER	US S	US S
C 1732 [5949-29-1] RT	(Continuation of) CITRIC ACID, USP Monohydrate $C_6H_8O_7 \cdot H_2O$ FW 210.1 R: 41-37/38 S: 26-36	100 g 15.65 1 kg 111.80 25 kg 2000.00
C 2857 [7758-99-8] RT	CUPRIC SULFATE, USP Pentahydrate $CuSO_4 \cdot 5H_2O$ FW 249.7 R: 60-63-22-41-37/38-43 S: 45-26-36/37/39-22	250 g 38.60 500 g 64.30 2.5 kg 254.55
C 3607 [68-19-9] 2-8°C	CYANOCOBALAMIN, USP (Vitamin B ₁₂) FW 1355.4 S: 36	500 mg 38.70 5 g 223.80 25 g 1040.20
C 3482 [52-89-1] RT	CYSTEINE, Hydrochloride, USP Anhydrous $C_3H_7NO_2S \cdot HCl$ FW 157.6 R: 36/37/38 S: 26-36	10 g 24.20 100 g 110.30 250 g 235.25
C 3357 [7048-04-6] RT	C 3357 Monohydrate $C_3H_7NO_2S \cdot HCl$ • H ₂ O FW 175.6 R: 36/37/38 S: 26-36	100 g 49.05 1 kg 276.05 5 kg 1116.55
D 8809 [23541-50-6] 2-8°C	DAUNORUBICIN, Hydrochloride, USP (Daunomycin) $C_{27}H_{29}NO_{10}$ • HCl FW 564.0 R: 45-46-61-22-36/37/38-42/43 S: 53-45-36/37/39-22	1 mg 22.40 10 mg 111.30 50 mg 440.00
D 9184 [9α-Fluoro-16α-methyl-prednisolone; 9α-Fluoro-16α-methyl-11β,17α,21-trihydroxy-1,4-pregnadiene-3,20-dione; Prednisolone F] [50-02-2] 2-8°C	DEXAMETHASONE, USP $C_{22}H_{26}FO_5$ FW 392.5 R: 63-36/37/38-43 S: 26-36-22	100 mg 35.50 1 g 155.10 5 g 553.80
D 9684 [6700-34-1] RT	DEXTROMETHORPHAN, USP Hydrobromide; Monohydrate $C_{18}H_{25}NO \cdot HBr$ • H ₂ O FW 370.3 R: 22 S: 36	5 g 33.00 10 g 58.80 50 g 231.40
D 9434 [50-99-7] RT	DEXTRROSE, USP (Glucose) Anhydrous $C_6H_{12}O_6$ FW 180.2	250 g 23.45 500 g 39.00 2.5 kg 110.00
D 9559 [5996-10-1] RT	D 9559 Monohydrate $C_6H_{12}O_6 \cdot H_2O$ FW 198.2	100 g 11.10 1 kg 61.80 25 kg 1000.00
D 9809 [50978-11-5] RT	DIATRIZOIC ACID, USP $C_{11}H_{13}N_3O_4$ FW 613.9	10 g 15.65 100 g 110.15
D 0185 [85-79-0] RT	DIBUCAINE, USP Free Base $C_{20}H_{28}N_2O_2$ FW 343.5 R: 41-37 S: 26-36	5 g 28.55 25 g 90.40
D 0310 [61-12-1] RT	D 0310 Hydrochloride $C_{20}H_{29}N_3O_2 \cdot HCl$ FW 379.9 R: 41-37 S: 26-36	5 g 49.90 25 g 161.80
D 1435 [67-68-5] RT	DIMETHYL SULFOXIDE, USP C_2H_6SO FW 78.14 R: 36/37/38 S: 26-36-23	500 ml 37.45 1 liter 62.50 4 liter 159.10

How to use catalog - page 2.

D 1685 [577-11-7] RT	DOCUSATE, USP (Sulfolbutanedioic acid bis[2-ethylhexyl ester]; Dioctyl sulfosuccinate Sodium Salt) $C_{20}H_{32}NaO_4S$ FW 4 R: 22-36/37/38-41 S: 26-36
E 0399 [5028-2] RT	EDETATE, USP (EDTA; Ethylenediaminetetraacetic acid) Disodium Salt: Dihydrate $C_{10}H_{14}N_2O_8Na_2 \cdot 2H_2O$ FW 372.2 R: 22-36/37/38 S: 26-36
E 0774 [114-07-8] RT	ERYTHROMYCIN, USP $C_{37}H_{67}NO_{13}$ FW 733.9 R: 42/43 S: 36
E 1024 [17β-Estradiol; 1,3,5[10]-Estratriene-3,17β-diol; 3,17β-Dihydroxy-1,3,5[10]-estratriene] [5028-2] RT	ESTRADIOL, USP $C_{18}H_{26}O_2$ FW 272.4 R: 60-61 S: 53-45-36/37/39
E 1149 [1,3,5[10]-Estratriene-3,16α,17β-triol; 16α-Hydroxyestradiol; 3,16α,17β-Trihydroxy-1,3,5[10]-estratriene] [5027-1] RT	ESTRIOL, USP $C_{18}H_{26}O_3$ FW 288.0 R: 60-61 S: 53-45-36/37/39
E 1274 [53-16-7] RT	ESTRONE, USP (1,3,5[10]-Estratrien-3-ol-17- α -3-Hydroxy-1,3,5[10]-estratrien one) $C_{18}H_{26}O_2$ FW 270.0 R: 60-61 S: 53-45-36/37/39
E 1649 [107-15-3] RT	ETHYLENEDIAMINE, USP $C_2H_8N_2$ FW 60.1 R: 10-21/22-34-43 S: 9-26-36/37/39-45
F 7923 [141-01-5] RT	FERROUS FUMARATE, USP Heptahydrate $C_4H_2FeO_4 \cdot 7H_2O$ FW 278.0 R: 22-36/37/38 S: 26-36
F 8048 [7782-63-0] RT	FERROUS SULFATE, USP Heptahydrate $FeSO_4 \cdot 7H_2O$ FW 278.0 R: 22-36/37/38 S: 26-36
F 8423 [51-21-8] RT	FLUOROURACIL, USP $C_4H_4FN_2O_2$ FW 156.0 R: 46-60-61-22-36/37/38 S: 26-27-36/37/39
F 8548 [146-56-5] RT	FLUPHENAZINE, USP Hydrochloride $C_{22}H_{26}F_3N_3O_3 \cdot HCl$ FW 510.4 R: 20/21/22 S: 36
F 8798 [141-01-5] RT	FOLIC ACID, USP (Pteroylglutamic acid; Vitamin C ₉) $C_{19}H_{19}N_7O_6$ FW 441.4
F 8923 [50-00-0] RT	FORMALDEHYDE SOLUTION, USP (Formalin) CH_2O FW 30.03 R: 23/24/25-34-40-43 S: 26-36
F 9048 [57-48-7] RT	FRUCTOSE, USP $C_6H_{12}O_6$ FW 180.0

To place an or