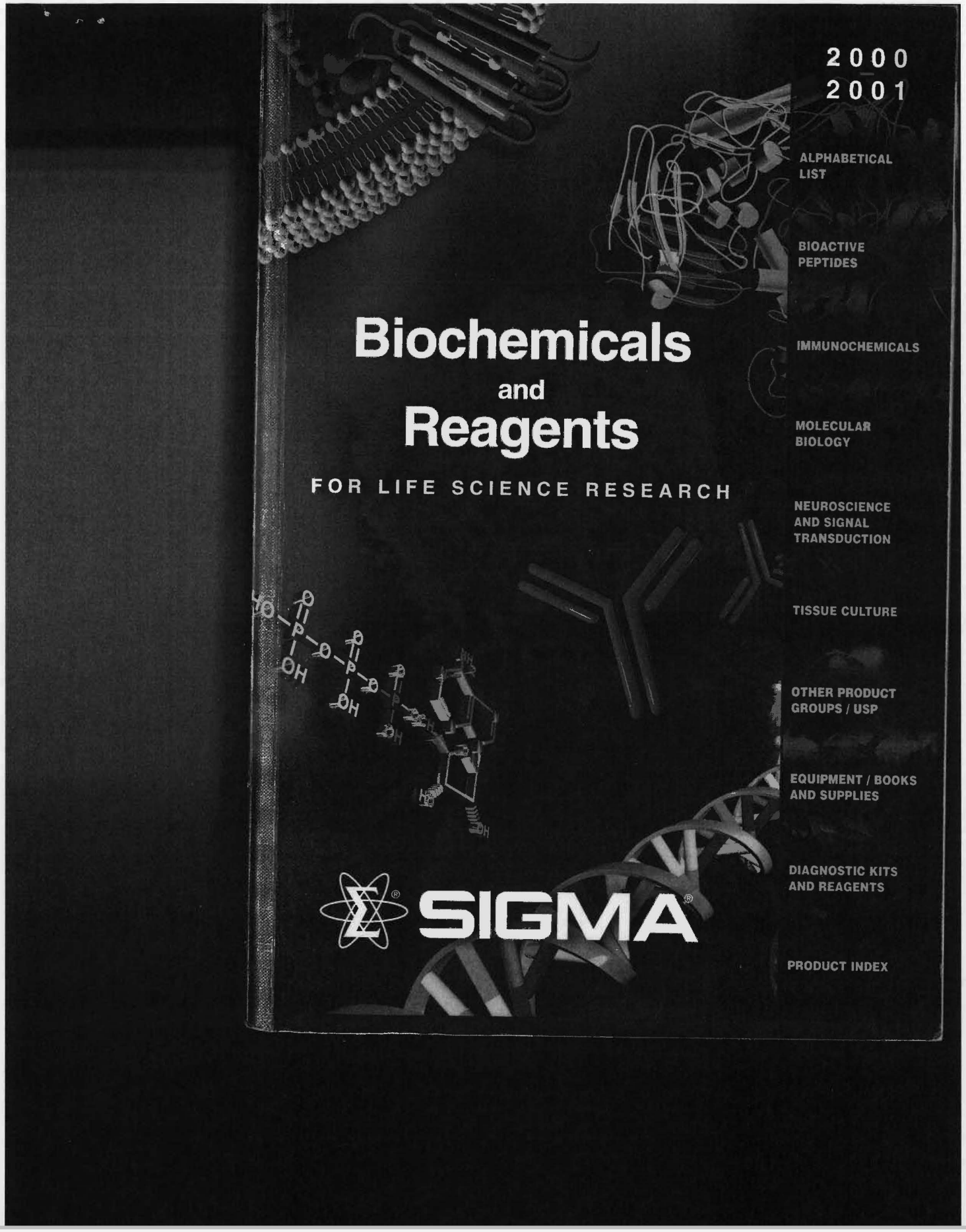

Sigma-Aldrich Ordering and Customer Service

To place an order or to inquire about an existing order:

Telephone	**800-325-3010**
Internet	**www.sigma-aldrich.com/order**
FAX	**800-325-5052**

For instructions on opening a new account, see *page 4*

Technical Service

To discuss applications or product-specific questions:

Telephone	**800-325-5832**
Internet	**www.sigma-aldrich.com/techinfo**

Sigma Diagnostics Technical Services

Telephone	**800-325-0250**
Internet	**www.sigma-aldrich.com/diagnostics**

Development and Manufacturing Scale Inquiries

Contact Sigma-Aldrich Fine Chemicals for your large scale needs:

Telephone	**800-336-9719**
Internet	**www.sigma-aldrich.com/safc**
FAX	**800-368-4661**

Bid Requests/Quotation

FAX	**800-554-6541**

The Sigma Creed

- Let No Non-Profit research organization anywhere in the world, suffer for lack of Sigma Reagents.
- Let No One have cause to say a Sigma Product was misrepresented.
- Let No One have cause to say that Sigma was not More Than fair, friendly, reasonable, and cooperative in every way.
- Let No One have cause to say that a Sigma Product was not absolutely the finest available anywhere.
- Make Everyone feel that doing business with Sigma is a revelation and a pleasure! Even if you can't pay.
- As Long as we have the funds, no legitimate call for help will be disregarded.

THE ABOVE CREED WAS PUBLISHED MANY YEARS AGO WHEN RESEARCH WAS GENERALLY CARRIED OUT IN "RESEARCH ORGANIZATIONS." THE CURRENT TREND WITHIN PREPARATORY SCHOOLS, HOSPITALS, AND CLINICS TO DO "RESEARCH" AS A TEACHING FUNCTION OR AS A PART-TIME EXERCISE, HAS CREATED A DEMAND FOR SIGMA-FINANCING NOT INTENDED TO BE COVERED BY THIS CREED. HOWEVER, SPECIFIC INQUIRIES ARE INVITED.

Sigma-Aldrich Service in:

Argentina
Australia
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Belgium
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Czech Republik
Denmark
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Hungary
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Japan
Korea
Malaysia
Mexico
The Netherlands
Norway
Poland
Portugal
Russia
Singapore
South Africa
Spain
Sweden
Switzerland
United Kingdom
USA

SIGMA

t-BOC-Nγ-XANTHYL-
-ASPARAGINE 5 g 47.40
55420-40-8] $C_{22}H_{24}N_2O_6$ FW 412.4

t-BOC-Nδ-XANTHYL-
-GLUTAMINE 5 g 41.40
55260-24-7] $C_{23}H_{26}N_2O_6$ FW 426.5

LDINE 1 g 10.90
Contains ≤1% isopropanol 5 g 42.10
476-70-0] $C_{19}H_{21}NO_4$ FW 327.4
R: 22-36/37/38 S: 26-36

ILTON-HUNTER REAGENT
See: 3-(p-Hydroxyphenyl)propionic Acid N-Hydroxysuccinimide Ester Page 546

OMBESIN
See: Bioactive Peptides Page 1050

ONE MARROW MEDIA
See: Tissue Culture Media and Reagents Page 1778

BOOKS

Over 400 technical reference works on a wide range of topics:

Amino Acids/Peptides
Biotechnology/Molecular Biology
Cell/Tissue Culture
Chromatography
Clinical Chemistry
Computer Techniques
Dyes and Stains
Electrophoresis
Enzymology
General References
Immunochemistry/Immunology
Lipid Chemistry
Microbiology
Microscopy
Neurobiology/Neurochemistry
Organic Chemistry
Pesticides
Pharmacology/Toxicology
Protein Chemistry/Isolation
Safety & Hazard
Selected Techniques
Selected Topics
Spectra

See the Techware Section Page 2182

BOP REAGENT
See: Benzotriazolyl-N-oxy-tris(dimethylamino)-phosphonium Hexafluorophosphate Page 154

9-BORABICYCLO[3.3.1]NONANE
See: 9-BBN Dimer Page 156

BORAGE OIL 100 g 46.70
9 From Borago officianalis seeds
Contains 20-25% γ-linolenic acid (as triglycerides).
See also: Evening Primrose Oil Page 413
Fungal Lipid Page 443
[84012-16-8]

PRODUCT NUMBER | US $

BORAX
(Sodium tetraborate)

B 3545 RT	**Decahydrate SigmaUltra 99.5-105.0%**	500 g	26.30
		1 kg	34.60

Solubility (0.1 M in water, 20°C): complete, colorless
Insoluble matter: <0.1%
Cl: <0.05%; SO_4: <0.05%; Al: <0.0005%; Ca: <0.0005%; Cu: <0.0005%; Fe: <0.001%; K: <0.005%; Mg: <0.0005%; NH_4^+: <0.05%; P: <0.001%; Pb: <0.001%; Zn: <0.0005%
[1303-96-4] $Na_2B_4O_7 \cdot 10H_2O$ FW 381.4
R: 63-62-36/37/38 S: 45-26-36/37/39-22

B 9876 RT	**Decahydrate 99.5-105.0%**	500 g	12.80
		1 kg	16.80
		5 kg	46.40

Widely used as a buffer. pH of a solution is approx. 9.3 over a wide range of concentrations.
[1303-96-4] $Na_2B_4O_7 \cdot 10H_2O$ FW 381.4
R: 63-62-36/37/38 S: 45-26-36/37/39-22

B 0127 RT	**Anhydrous Minimum 99.0%**	100 g	13.80
		500 g	29.50
		1 kg	50.00

[1330-43-4] $Na_2B_4O_7$ FW 201.2
R: 63-62-36/37/38 S: 45-26-36/37/39-22

BORDET GENGOU AGAR BASE
See: Microbiological Media and Components Page 2070

BORDET GENGOU AGAR BASE WITH 1.6% AGAR
See: Microbiological Media and Components Page 2070

BORDET GENGOU AGAR BASE WITHOUT PEPTONE
See: Microbiological Media and Components Page 2070

BORIC ACID
[10043-35-3] H_3BO_3 FW 61.83
R: 63-62-36/37/38 S: 45-26-36/37/39-22

B 7660 RT	**SigmaUltra Minimum 99.5%**	100 g	18.70
		500 g	33.40
		1 kg	50.50

pH (1 M in water, 20°C): 3.5-6.0
Solubility (1 M in water, 20°C): complete, colorless
Insoluble matter: <0.1%
Chloride (Cl): <0.05%; Sulfate (SO_4): <0.05%; Al: <0.0005%; Ca: <0.005%; Cu: <0.0005%; Fe: <0.0005%; K: <0.005%; Mg: <0.005%; Na: <0.005%; NH_4^+: <0.05%; P: <0.005%; Pb: <0.001%; Zn: <0.0005%
A_{260} <0.05; A_{280} <0.05 (1 M in water)

B 0252 RT	**Minimum 99.5%**	100 g	9.40
	See also: Plant Cell Culture Reagents Page 1866	500 g	16.70
		1 kg	25.20
		2.5 kg	47.70
		5 kg	85.90
		10 kg	134.10

B 0394 RT	**ACS Reagent**	500 g	27.10
	Assay: ≥99.5%	1 kg	48.80
	Insoluble in methanol: ≤0.005%	5 kg	159.40
	Nonvolatile with methanol: ≤0.05%		
	Chloride (Cl): ≤0.001%		
	Phosphate (PO_4): ≤0.001%		
	Sulfate (SO_4): ≤0.01%		
	Calcium (Ca): ≤0.005%		
	Heavy metals (as Pb): ≤0.001%		
	Iron (Fe): ≤0.001%		

PRODUCT NUMBER | US $

BORIC ACID, Electrophoresis Reagent
See: Electrophoresis Reagents Page 1967

BORIC ACID GEL
See under: Affinity Chromatography Media Page 1950

BORIC ACID, Molecular Biology Reagent
See: Molecular Biology Products Page 1624

	BORIC ACID TABLETS	100 tablets	26.90
B 2645 RT	**Contains 1 g boric acid per tablet.**	1,000 tablets	149.30

H_3BO_3 FW 61.83
R: 63-62-36/37/38 S: 45-26-36/37/39-22

BORIC ACID TRIMETHYL ESTER
See: Trimethyl Borate Page 980

d-2,3-BORNANEDIONE
See: (1S)-(+)-Camphorquinone Page 200

	BORNEOL	100 g	36.00
B 7888 RT	**Approx. 85%**	500 g	133.60

[507-70-0] $C_{10}H_{18}O$ FW 154.3
R: 11-20/21/22-43 S: 16-36

	( )-BORNYL ACETATE	100 g	19.20
B5,520-3 2-8°C	**Approx. 97% (capillary GC)**		

d = 0.98 g/ml
Pheromone for Periplaneta americana.
Aldrich Brand. Formerly Sigma Product B 6759.
[5655-61-8]

	BORON	100 g	97.50
B 3135 RT	**Practical Grade Amorphous powder**		

[7440-42-8] B FW 10.81
R: 11-20/21/22-37 S: 16-36-3/7/9

BORONIC ACID-AGAROSE
See: m-Aminophenylboronic Acid-Agarose under Affinity Chromatography Media Page 1949

	BORON TRICHLORIDE-METHANOL	5 ml	18.30
B 0877 2-8°C	10% boron trichloride in methanol for preparing methyl esters of fatty acids and for transesterification of triglycerides.	10 ml	24.70
		25 ml	38.20

Sealed ampules.
Shelf life is extended considerably in sealed ampules.
[10294-34-5]
R: 11-23/25-34 S: 7-16-24-45

BORON TRIFLUORIDE DIETHYL ETHERATE
d = 1.15 g/ml
[109-63-7] $C_4H_{10}BF_3O$ FW 141.9
R: 10-34-23/24/25-14 S: 16-45-26-36/37/39

B 6261 2-8°C	Brown liquid	100 ml	17.50
		250 ml	21.20
21,660-7 2-8°C	Redistilled	100 ml	36.20

Light yellow liquid.
Aldrich Brand. Formerly Sigma Product B 8764.

BORON TRIFLUORIDE-METHANOL
14% boron trifluoride in methanol is useful for preparing methyl esters of fatty acids and for transesterification of triglycerides.

B 1127 2-8°C	14% solution in sealed ampule. Shelf life is extended considerably in sealed ampules.	5 ml	16.30
		25 ml	29.80
		10 × 5 ml	106.10

[373-57-9]
R: 11-23/25-34 S: 7-16-24-45

B 1252 2-8°C	14% solution in bottle with screw-cap closure.	5 ml	15.40
		100 ml	20.80
		250 ml	28.40
		500 ml	48.20
		1 liter	79.70

(Continued)