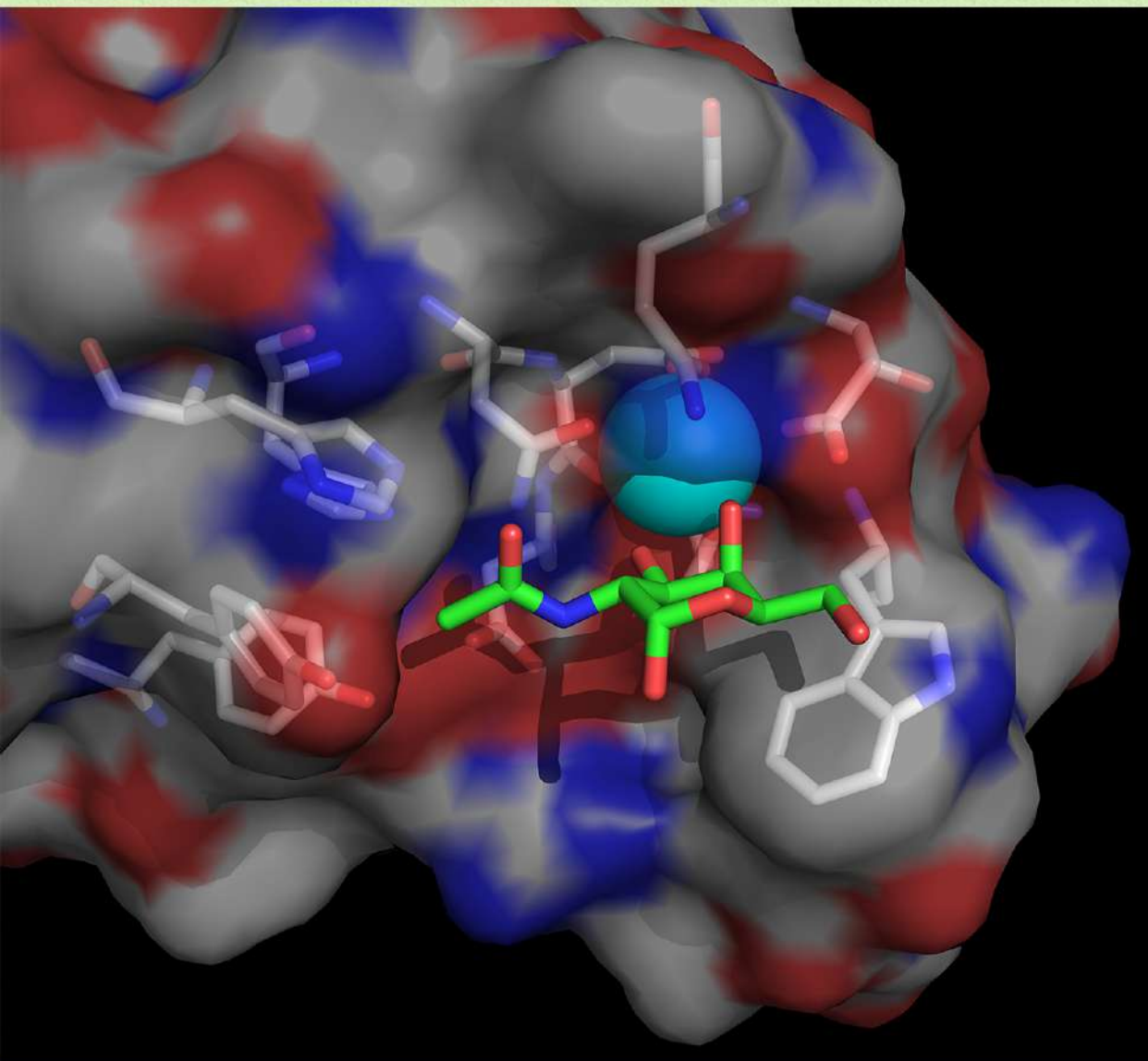


Omicron

Biochemicals, Inc.

Stable Isotopically Labeled Saccharides, Nucleosides,
and Their Derivatives



Products
Catalog
January 2026

Up to 99 atom-%
 ^{13}C , ^{15}N ,
 ^2H , ^{18}O
Labeling

*More Than
1000
Products*

Stable Isotopes since 1982
www.omicronbio.com

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OMICRON BIOCHEMICALS, INC. develops new and improved methods to introduce stable isotopes, primarily ^{13}C , ^2H , ^{15}N and ^{18}O , into biologically important compounds. We specialize in the synthesis of labeled carbohydrates, nucleosides, and their derivatives, and undertake the synthesis of other classes of compounds on a custom basis. Our particular strengths lie in the preparation of site-specifically labeled compounds, but uniformly labeled products are also available.

Over the past few years, Omicron has devoted increased effort to the preparation of unlabeled and stable isotopically labeled oligosaccharides, including high-mannose *N*-glycans and human milk oligosaccharides (HMOs). The laboratory can prepare virtually any sub-fragment of the high-mannose *N*-glycan precursor 14-mer, $\text{Glc}_3\text{Man}_9\text{GlcNAc}_2$. These oligosaccharides are prepared via chemical methods and are available in high purity (typically >98%) and in amounts ranging from 1–50 milligrams. Oligosaccharide fragments of complex-type and hybrid *N*-glycans of human glycoproteins are also available via chemical or chemo-enzymatic synthesis. We have emerging capabilities in the preparation of human milk oligosaccharides (HMOs) on large scales (1–100 g), which have garnered increased attention as beneficial dietary supplements for newborn infants.

Our products are all prepared in-house, and are prepared by chemical, chemo-enzymatic, enzymatic and biological methods. We collaborate with academic and commercial laboratories to develop and distribute our products, and engage in collaborative research projects with interested parties as opportunities arise.

Omicron remains faithful to its corporate mission established in 1982: to supply customers worldwide with high quality stable isotopically labeled carbohydrates, nucleosides, and their derivatives at competitive prices in a timely fashion, to offer exceptional personalized customer service, to provide continued opportunities for the professional growth of our employees, and to follow a sustainable business model having minimal environmental impacts.



COVER IMAGE

The crystal structure of the carbohydrate recognition domain (CRD) of human macrophage galactose C-type lectin bound to αGalNAc (taken from: A. Gabba, A. Bogucka, J. L. Luz, A. Diniz, H. Coelho, F. Corzana, F. J. Cañada, F. Marcelo, P. V. Murphy and G. Birrane, *Biochemistry* **2021**, *60*, 1327–1336). The graphic was prepared by Dr. Allen G. Oliver, Molecular Structure Facility, Department of Chemistry and Biochemistry, University of Notre Dame.



The Omicron R&D Facility in South Bend, Indiana

CONTACT INFORMATION

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115 South Hill Street
South Bend, IN 46617-2701 USA

Phone: 574-287-6910

Fax: 574-287-7165

E-mail: omicron@omicronbio.com

Web: omicronbio.com

An electronic (pdf) copy of this catalog is available for downloading on the Omicron web site. The web site also contains company and product information not found in this catalog.

ORDERS

Orders may be placed by phone, fax, e-mail, or through the Omicron web site. To place an order, the following information is must be provided:

- ◆ Institution or company name
- ◆ Contact name
- ◆ Email address (for notification of shipment)
- ◆ Catalog number & product name
- ◆ Quantity
- ◆ Shipping address
- ◆ Billing address
- ◆ Phone number
- ◆ Purchase order number (if available)
- ◆ Visa or Mastercard information (if desired)
- ◆ FedEx® account number (if available)
- ◆ For USA orders, indicate one or two day shipping preference

A standard order form is provided on page 9 of this catalog and is also available for downloading on our web site at www.omicronbio.com/orderform.pdf.

PRODUCT GUARANTEE

All products listed in this catalog are prepared in our facility to meet high standards of chemical purity and isotopic enrichment. Customer needs and concerns are addressed fully and promptly via phone, fax or e-mail. All products sold by Omicron are unconditionally guaranteed. Should a product be found unsatisfactory, we will accept its return and reimburse the buyer for its full cost.

ENRICHMENT LEVELS

- ◆ ¹³C 99 atom-% unless otherwise stated
- ◆ ²H 98 atom-% unless otherwise stated
- ◆ ¹⁵N 98 atom-%
- ◆ ¹⁸O 50-95 atom-%, depending on customer requirement

QUALITY ASSURANCE

Products are assayed for chemical purity and percent isotopic enrichment by:

Routine Assays:

- ◆ NMR spectroscopy (300–600 MHz)
- ◆ HPLC
- ◆ melting point (when appropriate)

Additional Assays:

- ◆ 800 MHz NMR
- ◆ cyanide assay
- ◆ elemental analysis
- ◆ gas-liquid chromatography
- ◆ heavy metals assay
- ◆ IR spectrophotometry
- ◆ mass spectrometry
- ◆ optical rotation
- ◆ pyrogenicity
- ◆ sterility
- ◆ UV-VIS spectrophotometry
- ◆ water analysis

Additional assays can be requested by the customer. Costs associated with customer requested assays are billed to the customer.

Additional QA information is available on the Omicron web site.

CUSTOM SYNTHESIS

Omicron welcomes inquiries regarding custom synthesis of unlabeled and stable isotopically labeled compounds, especially those containing carbohydrate constituents. We can prepare singly labeled, multiply labeled, and mixed labeled carbohydrates, nucleosides, and their derivatives. Many D-sugars can also be supplied in the L-configuration.

Examples of custom syntheses Omicron has completed over the past few years include:

- ◆ D-[1,5,6-¹³C₃]glucose
- ◆ 3-O-methyl-D-[UL-¹³C₆]glucose
- ◆ D-[UL-²H₁₂]glucose
- ◆ cytidine 5'-monophospho-β-N-acetyl-D-[1,2,3-¹³C₃]neuraminic acid (disodium salt)
- ◆ uridine diphosphate-α-D-[UL-¹³C₆]galactose (disodium salt)
- ◆ 2'-fucosyl-lactose
- ◆ N-acetyl-D-lactosamine
- ◆ [1,2,3-¹³C₃]3'-sialyl[UL-¹³C₁₂]lactose sodium salt

The following information should be provided when requesting a quotation for a custom synthesis:

- ◆ Chemical structure, name, and position(s) of label(s)
- ◆ Literature references for synthesis (if available)
- ◆ Preferred method of synthesis (if available)
- ◆ Desired quantity
- ◆ Desired delivery time

Technical responses to these requests are normally provided within five (5) working days. For those syntheses we undertake, a quotation and delivery time will be provided within two (2) weeks of the initial inquiry.

APPLICATIONS FOR HUMAN USE

All of our standard (non-cGMP) products are intended for investigational use only. Persons intending to use standard Omicron products in applications involving human subjects assume the responsibility for these applications, and are required to comply with appropriate regulations, guidelines and procedures. Appropriate regulatory agencies or governing bodies should be consulted for pertinent information before conducting studies of this type. In some instances, approval may need to be obtained from the U.S. Food and Drug Administration (U.S.-based studies) or from similar agencies in the country where the studies are to be conducted. Omicron will supply supporting information (general details of synthesis, analytical tests, etc.) to assist groups in obtaining formal approval of their studies by these agencies. Upon request, Omicron will ultrafilter, crystallize and package standard products that are to be tested by clients for sterility and/or pyrogenicity for an extra fee. Persons intending to use our products for *in vivo* applications, especially in humans, are advised to have appropriate independent tests of the formulated and/or repackaged product conducted by a qualified agent prior to usage. Omicron will work on a confidential basis with groups conducting these tests.

CGMP SYNTHESIS FOR HUMAN CLINICAL STUDIES

Omicron Biochemicals has significant experience in the preparation of its labeled products that meet cGMP standards for use in human clinical studies. Because the details of these syntheses depend on the specific project, Omicron works closely with clients to develop final product specifications, and a plan for routine review and inspection of our processes by clients and other responsible parties as the work progresses. The latter would include client inspection of the cGMP documents pertinent to the project, including the Master Batch Record. We will also file DMF documents with the FDA if appropriate. Please inquire for more detailed information on Omicron cGMP capabilities.

PRICING AND QUOTATIONS

- ◆ All prices are in U.S. dollars and are subject to change without notice. The Omicron web site may reflect price changes more quickly than the catalog. Omicron is not liable for typographical errors in pricing in its catalog or on its web site.
- ◆ Omicron often sells quantities smaller than those listed in this catalog. Please request a quotation.
- ◆ Discounts are usually given for quantities larger than those listed in this catalog. Please request a quotation.
- ◆ Quotations are valid for ninety (90) days unless otherwise stated. If requested, longer periods of validity can be quoted.
- ◆ Quotations and listed prices do not include shipping and handling charges, shipping insurance, SED (EEI) fees, and duties/taxes.

PAYMENT OPTIONS

Payments are to be made in U.S. dollars by one of the following methods:

- ◆ Check (USA) or international draft (draft fees are paid by the customer)
- ◆ Wire transfer (wire fees are paid by the customer)
- ◆ MasterCard, VISA, American Express, and Discover

All payments are due within thirty (30) days of the invoice date.

Credit card payments are processed when the order is shipped. To make a payment by using credit-cards, please email us for a payment link. Credit-card processing fees will be applied for credit-card orders.

- ◆ 3% credit-card processing fee for US customers.
- ◆ 5% credit-card processing fee for international customers.

RESEARCH COLLABORATIONS AND AGREEMENTS

Omicron participates in confidential collaborations and agreements with research groups in academia, industry and government under various circumstances. These circumstances include:

- ◆ Involvement over an extended period of time in the synthesis of uniquely labeled compounds for use in specialized research applications
- ◆ Conversion of labeled precursors to other labeled products
- ◆ Involvement as a co-principal investigator, collaborator or consultant on research grants or projects.

Collaborations are conducted under strict client confidentiality. More information about these opportunities will be provided upon request.

SHIPPING INFORMATION

United States

Products are shipped and insured by FedEx®. If the customer has a FedEx account, the account number should be provided with the purchase order. If the customer does not provide a FedEx account number, shipping and insurance fees will be added to the product invoice.

Two-day shipping is routinely used unless one-day delivery is requested by the customer.

International

Omicron prefers to ship international orders by FedEx®. If the customer has a FedEx account, the account number should be provided with the purchase order. If a FedEx account number is provided, then FedEx will bill the account for shipping, insurance, and import duties and taxes. If a FedEx account is not provided, we will bill you for shipping and insurance when the order is shipped. FedEx will collect the duties and taxes directly from your institution.

Omicron will only ship Free on Board (FOB).

Delivery times for international shipments vary per country and customs procedures.

An Electronic Export Information (EEI) fee, formerly known as the Shipper's Export Declaration (SED), may be added to international orders greater than \$2,500 USD.

HANDLING

We may add handling charges to orders that request special bottling and/or packaging. An example would be an order that requests a product to be split between multiple vials.

DELIVERY TIMES

Products in Stock

Products in stock are typically shipped within two (2) business days of receipt of the order.

Non-Stock Products

In response to a request for a product that is not in stock, the customer will be informed of the expected shipping date.

ORDER FORM

Phone: 574-287-6910

Fax: 574-287-7165

Contact Name: _____

Company: _____

Email: _____

Shipping Address: _____

FedEx Account Number: _____

If not provided, shipping and insurance fees will be added to the product invoice.

USA orders please indicate one or two day shipping preference: _____

Payment Options:

Please enter Purchase Order Number or Credit Card Information.

Purchase Order: _____

OMICRON BIOCHEMICALS, INC.

115 South Hill Street

South Bend, IN 46617-2701 USA

Date: _____

Phone: _____

Fax: _____

Billing Address (N/A for credit cards): _____

Visa Mastercard

Card Number: _____

Exp. Date: _____

Security Code (last 3 digits on card back): _____

Name on Card: _____

Address to which card statement is mailed: _____

Catalog Number	Compound Name	Unit Size	Unit Price *	Qty	Total Price

* Shipping, insurance, import duties/taxes, and export fees are not included in our listed prices. These will be determined and added when your order is shipped. We will only ship international orders Free on Board (FOB).

If you have specific packaging or testing requirements, you may provide them here. Additional charges may be applied.

Aldaric Acids	Sodium rhamnate (see rhammonic acid).....	100
arabinaric acid.....	talonic acid.....	106
dipotassium arabinarate (see arabinaric acid).....	xylonic acid.....	113
disodium ribarate (see ribaric acid).....	Aldoses, 2 Carbon (Aldodioses)	
disodium xylarate (see xylaric acid).....	glycolaldehyde.....	71
ribaric acid.....	Aldoses, 3 Carbon (Aldotrioses)	
xylaric acid.....	2,3-dihydroxypropanal (see glyceraldehyde).....	69
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<i>N</i> -Acetyl-D-glucosaminitol.....	Aldoses, 4 Carbon (Aldotetroses)	
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allitol.....	threose.....	10
arabinitol.....	Aldoses, 5-carbon (Aldopentoses)	
arabite (see arabinitol).....	arabinose.....	34
arabitol (see arabinitol).....	lyxose.....	77
dulcitol (see galactitol).....	ribose.....	101
dulcitol (see galactitol).....	xylose.....	114
erythritol.....	Aldoses, 6-carbon (Aldohexoses)	
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glucitol.....	altrose.....	30
glycerol.....	galactopyranose.....	51
iditol.....	galactose.....	52
inositol.....	glucose.....	62
lyxitol (see arabinitol).....	gulose.....	72
mannitol.....	idose.....	73
ribitol.....	mannose.....	81
sorbitol (see glucitol).....	3-O-methyl-D-glucose.....	98
talitol.....	3-O-methyl-D-mannose.....	99
xylitol.....	talose.....	106
Aldonic Acids	Aldoses, 7-carbon (Aldoheptoses)	
arabinonic acid.....	D-glycero-D-galactoheptose (see mannoheptose).....	80
6-deoxy-galactonic acid (see fuconic acid).....	mannoheptose.....	80
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gulonic acid.....	mannopyranosyl-serine.....	80
idonic acid.....	mannopyranosyl-threonine.....	81
lyxonic acid.....	Aminosugars	
Potassium arabinonate (see arabinonic acid).....	2-acetamido-2-deoxy-galactose (see <i>N</i> -acetylgalactos-	
Potassium fuconate (see fuconic acid).....	amine).....	19
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Potassium lyxonate (see lyxonic acid).....	amine).....	20
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Sodium gluconate (see gluconic acid).....		
Sodium gulonate (see gulonic acid).....		
Sodium idonate (see idonic acid).....		

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Oligosaccharides

Page	Catalog #	Product Name	Structure*
73	TET-015	Man α -3[Man α -4][Man α -6]Man	
73	PEN-007	Man α -2Man α -2Man α -3[Man α -6]Man	
74	PEN-003	Man α -2Man α -3Man α -6[Man α -3]Man	
74	PEN-015	Man α -2Man α -6Man α -6[Man α -3]Man	
74	PEN-008	Man α -2Man α -3[Man α -6]Man α -6Man	
74	PEN-002	Man α -2Man α -6[Man α -3]Man α -6Man	
74	PEN-005	Man α -2Man α -3[Man α -2Man α -6]Man	
74	PEN-006	Man α -2Man α -3[Man α -3Man α -6]Man	
74	PEN-004	Man α -2Man α -3[Man α -6Man α -6]Man	
75	PEN-012	Man α -6Man α -4[Man α -6Man α -6]Man	
75	PEN-001	Man α -3[Man α -6]Man α -6[Man α -3]Man	
75	HEX-003	Man α -2Man α -2Man α -3[Man α -3Man α -6]Man	
75	HEX-004	Man α -2Man α -2Man α -3[Man α -6Man α -6]Man	
75	HEX-011	Man α -2Man α -3Man α -6[Man α -2Man α -3]Man	
75	HEX-010	Man α -2Man α -6Man α -6[Man α -2Man α -3]Man	
75	HEX-001	Man α -2Man α -3[Man α -2Man α -6]Man α -6Man	
76	HEX-012	Man α -2Man α -3[Man α -6]Man α -6[Man α -3]Man	
76	HEX-014	Man α -2Man α -6[Man α -3]Man α -6[Man α -3]Man	
76	HEX-002	Man α -3[Man α -6]Man α -6[Man α -2Man α -3]Man	
76	OLI-005	Man α -2Man α -2Man α -3[Man α -2Man α -3Man α -6]Man	
76	OLI-006	Man α -2Man α -2Man α -3[Man α -2Man α -6Man α -6]Man	
76	OLI-010	Man α -2Man α -2Man α -3[Man α -3[Man α -6]Man α -6]Man	
76	OLI-012	Man α -2Man α -3[Man α -2Man α -6]Man α -6[Man α -3]Man	
76	OLI-007	Man α -2Man α -3[Man α -6]Man α -6[Man α -2Man α -3]Man	
77	OLI-013	Man α -2Man α -6[Man α -3]Man α -6[Man α -2Man α -3]Man	

* See Product Name for linkage and isotope label information.

D-mannose

Oligosaccharides

Page	Catalog #	Product Name	Structure*
77	OLI-014	Man α -2Man α -3[Man α -2Man α -6]Man α -6[Man α -2Man α -3]Man	
77	OLI-008	Man α -2Man α -3[Man α -6]Man α -6[Man α -2Man α -2Man α -3]Man	
77	OLI-015	Man α -2Man α -6[Man α -3]Man α -6[Man α -2Man α -2Man α -3]Man	
77	OLI-009	Man α -2Man α -3[Man α -2Man α -6]Man α -6[Man α -2Man α -2Man α -3]Man	
77	TRI-015	Man α -3Man β -4GlcNAc	
77	TRI-016	Man α -6Man β -4GlcNAc	
77	TET-020	Man α -2Man α -3Man β -4GlcNAc	
77	TET-021	Man α -3Man α -6Man β -4GlcNAc	
77	TET-022	Man α -6Man α -6Man β -4GlcNAc	
77	TET-018	Man α -3[Man α -6]Man β -4GlcNAc	
78	PEN-017	Man α -2Man α -2Man α -3Man β -4GlcNAc	
78	PEN-018	Man α -2Man α -3Man α -6Man β -4GlcNAc	
78	PEN-019	Man α -2Man α -6Man α -6Man β -4GlcNAc	
78	PEN-013	Man α -3Man α -6[Man α -3]Man β -4GlcNAc	
78	PEN-014	Man α -6Man α -6[Man α -3]Man β -4GlcNAc	
78	HEX-019	Man α -2Man α -2Man α -3[Man α -6]Man β -4GlcNAc	
79	HEX-008	Man α -2Man α -3Man α -6[Man α -3]Man β -4GlcNAc	
79	HEX-009	Man α -2Man α -6Man α -6[Man α -3]Man β -4GlcNAc	
79	HEX-018	Man α -2Man α -3[Man α -3Man α -6]Man β -4GlcNAc	
79	HEX-017	Man α -2Man α -3[Man α -6Man α -6]Man β -4GlcNAc	
79	HEX-016	Man α -2Man α -3[Man α -6]Man α -6Man β -4GlcNAc	
79	HEX-020	Man α -2Man α -6[Man α -3]Man α -6Man β -4GlcNAc	
79	HEX-015	Man α -3[Man α -6]Man α -6[Man α -3]Man β -4GlcNAc	
79	OLI-019	Man α -2Man α -2Man α -3[Man α -3Man α -6]Man β -4GlcNAc	
80	OLI-020	Man α -2Man α -2Man α -3[Man α -6Man α -6]Man β -4GlcNAc	
80	OLI-021	Man α -2Man α -3[Man α -2Man α -6]Man α -6Man β -4GlcNAc	
80	OLI-026	Man α -2Man α -2Man α -3[Man α -3[Man α -6]Man α -6]Man β -4GlcNAc	
80	TRI-019	Man β -4GlcNAc β -4GlcNAc	
80	TET-032	Man α 1-3Man β -4GlcNAc β -4GlcNAc	
80	TET-031	Man α 1-6Man β -4GlcNAc β -4GlcNAc	

* See Product Name for linkage and isotope label information.

N-acetyl-D-glucosamine D-mannose

Page	Catalog #	Product Name	Structure*
80	PEN-023	Man α -2Man α -3Man β -4GlcNAc β -4GlcNAc	
80	PEN-016	Man α -3[Man α -6]Man β -4GlcNAc β -4GlcNAc	
80	HEX-013	Man α -2Man α -2Man α -3Man β -4GlcNAc β -4GlcNAc	
81	HEX-023	Man α -2Man α -3Man α -6Man β -4GlcNAc β -4GlcNAc	
81	HEX-024	Man α -2Man α -6Man α -6Man β -4GlcNAc β -4GlcNAc	
81	HEX-026	Man α -2Man α -3[Man α -6]Man β -4GlcNAc β -4GlcNAc	
81	HEX-028	Man α -3Man α -6[Man α -3]Man β -4GlcNAc β -4GlcNAc	
81	HEX-027	Man α -6Man α -6[Man α -3]Man β -4GlcNAc β -4GlcNAc	
81	HEX-025	Man α -3[Man α -6]Man α -6Man β -4GlcNAc β -4GlcNAc	
81	OLI-023	Man α -2Man α -3[Man α -3Man α -6]Man β -4GlcNAc β -4GlcNAc	
81	OLI-024	Man α -2Man α -3[Man α -6Man α -6]Man β -4GlcNAc β -4GlcNAc	
82	OLI-011	Man α -2Man α -2Man α -3[Man α -3Man α -6]Man β -4GlcNAc β -4GlcNAc	
82	OLI-018	Man α -2Man α -2Man α -3[Man α -6Man α -6]Man β -4GlcNAc β -4GlcNAc	
82	OLI-025	Man α -2Man α -3[Man α -2Man α -6]Man α -6Man β -4GlcNAc β -4GlcNAc	
82	OLI-016	Man α -2Man α -2Man α -3[Man α -2Man α -3Man α -6]Man β -4GlcNAc β -4GlcNAc	
82	OLI-017	Man α -2Man α -2Man α -3[Man α -2Man α -6Man α -6]Man β -4GlcNAc β -4GlcNAc	
82	TET-044	Man α -2Man α -3[Man4P α -6]Man disodium salt	
82	TET-043	Man α -2Man α -3[Man6P α -6]Man disodium salt	
83	TET-041	Man α -6Man α -6[Man6P α -3]Man disodium salt	
83	TET-042	Man6P α -6Man α -6[Man α -3]Man disodium salt	
83	PEN-022	Man α -2Man α -2Man α -3[Man6P α -6]Man disodium salt	
82	PEN-021	Man α -2Man α -3Man α -6[Man6P α -3]Man disodium salt	
83	PEN-020	Man α -2Man α -3[Man6P α -6Man α -6]Man disodium salt	
84	TRI-001	methyl 3,6-di-O-(α -D-mannopyranosyl)- α -D-mannopyranoside	
84	TRI-002	methyl 3,6-di-O-(α -D-mannopyranosyl)- β -D-mannopyranoside	
89	TRI-020	3'-sialyllactose sodium salt	
89	TRI-021	[1,2,3- 13 C $_3$]3'-sialyl[3- 13 C $_9$]lactose sodium salt	
89	TRI-022	[1,2,3- 13 C $_3$]3'-sialyl[UL- 13 C $_{12}$]lactose sodium salt	

* See full product details and structure on given page number. D-galactose D-glucose D-mannose
 D-mannose-4 phosphate D-mannose-6-phosphate N-acetyl-D-neuraminic acid (sodium salt)

KEY TO PRODUCT LISTING

Products are listed alphabetically by product name. To find a product by catalog number, see the Catalog Number Index in the back of the catalog. The PDF version of this catalog, available on the Omicron web site, incorporates bookmarks and hyperlinks for quick navigation.

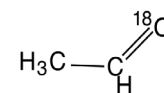
- 1 Synonym referral to product listing
- 2 Product listing
- 3 Omicron Catalog Number
- 4 Chemical Abstracts Services Registry Number®, if assigned.
UN Indicates CAS Number is for the unlabeled compound.
- 5 Price list: quantity and \$ amount (USD)

SAMPLE LISTINGS

1	Alternate Product Name	see Product Name page number
2	MAN-001 Product Name (Alternate Product Name)	4
	MW 222.20 $^{13}\text{C}_7\text{H}_{15}\text{NO}_6$ [3615-17-6] ^{UN}	
	(comments provided here)	
		5
	0.1 g \$ 810	
	0.25 g \$ 1885	

PRODUCT LIST

ALY-001 [1- 18 O]acetaldehyde
 MW 46.05 $\text{C}_2\text{H}_4^{18}\text{O}$ [75-07-0]^{UN}
 90 atom-% ^{18}O Supplied as an aqueous solution. 1234



Request Price

2-acetamido-2-deoxy-galactose
 see *N*-acetylgalactosamine page 19

2-acetamido-2-deoxy-glucose
 see *N*-acetylglucosamine page 20

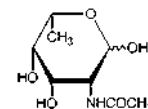
2-acetamido-2-deoxy- β -D-glucose L-asparagine
 see *N*-acetylglucosamine-(1,N)-Asn page 22

2-acetamido-2-deoxy-mannose
 see *N*-acetylmannosamine page 23

2-acetamido-2-deoxy-talose
 see *N*-acetylталosamine page 27

2-acetamido-2,6-dideoxy-galactose
 see *N*-acetyl-L-fucosamine page 19

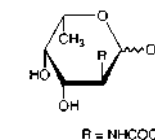
TAL-017 **2-acetamido-2,6-dideoxy-L-talose**
 (*N*-acetyl-L-pneumosamine)
 MW 205.21 $\text{C}_8\text{H}_{15}\text{NO}_5$



0.01 g \$ 1190

***N*-acetyl-6-deoxy-L-talosamine**
 see 2-acetamido-2,6-dideoxy-L-talose page 19

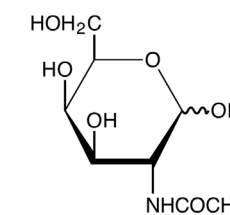
FUC-006 ***N*-acetyl-L-fucosamine**
 (2-acetamido-2,6-dideoxy-L-galactose)
 MW 205.21 $\text{C}_8\text{H}_{15}\text{NO}_5$



0.01 g \$ 600

GAL-044 ***N*-acetyl-D-galactosamine**
 (2-acetamido-2-deoxy-D-galactose)

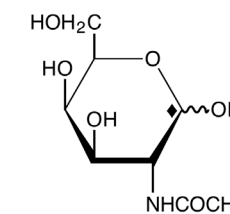
MW 221.21 $\text{C}_8\text{H}_{15}\text{NO}_6$ [1811-31-0]



1 g \$ 195

GAL-001 ***N*-acetyl-D-[1- 13 C]galactosamine**
 (2-acetamido-2-deoxy-D-[1- 13 C]galactose)

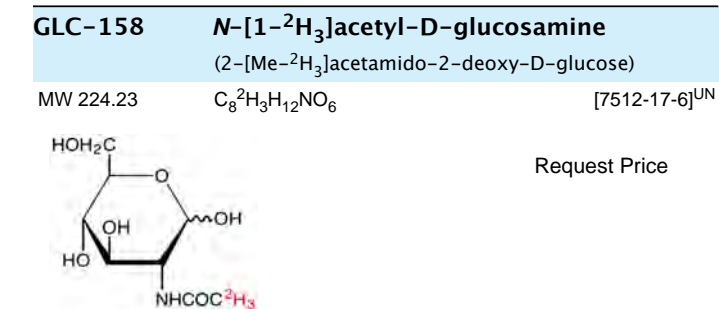
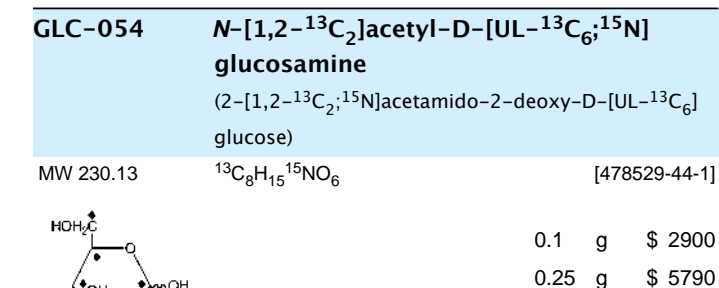
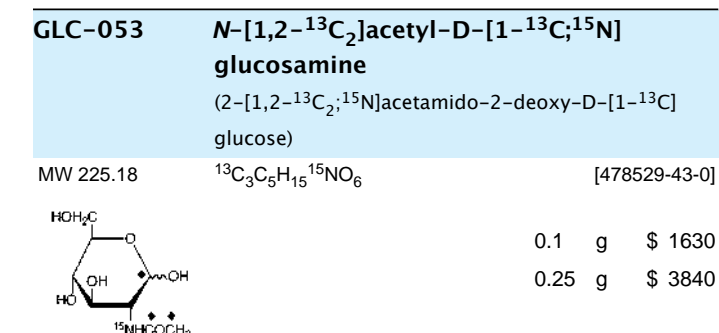
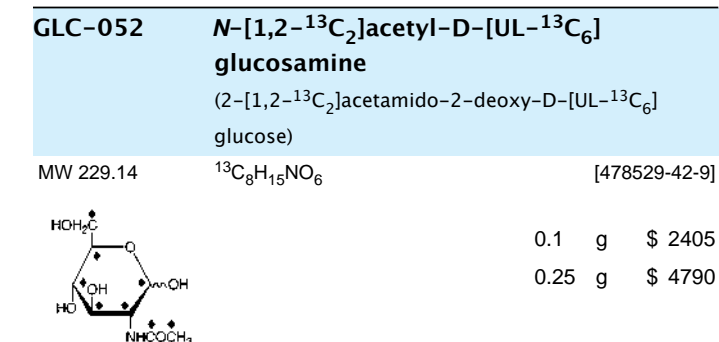
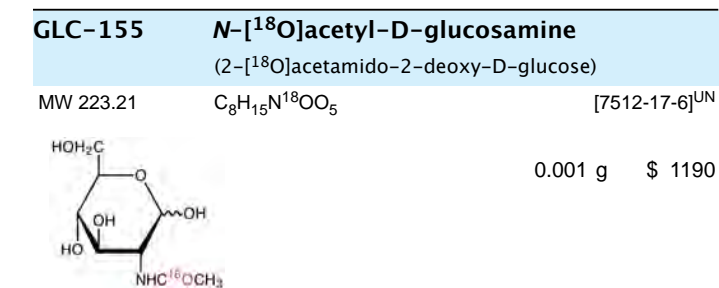
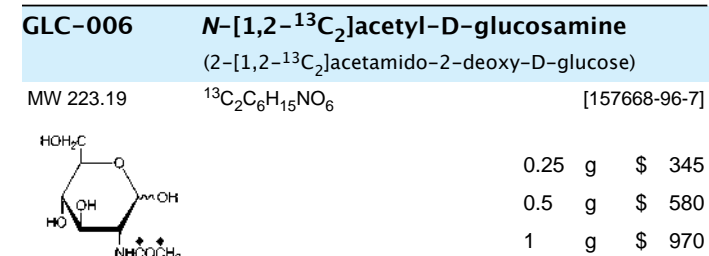
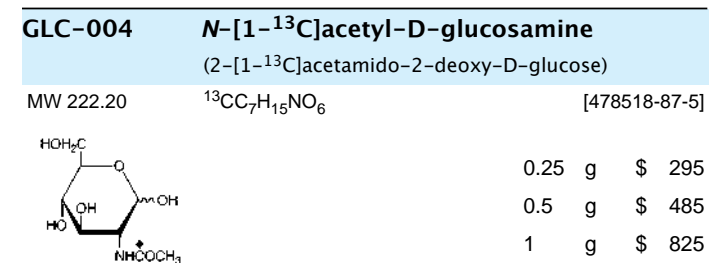
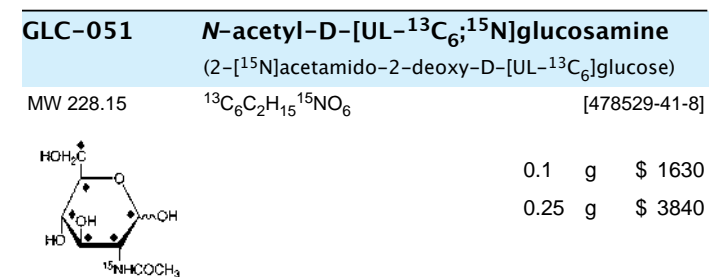
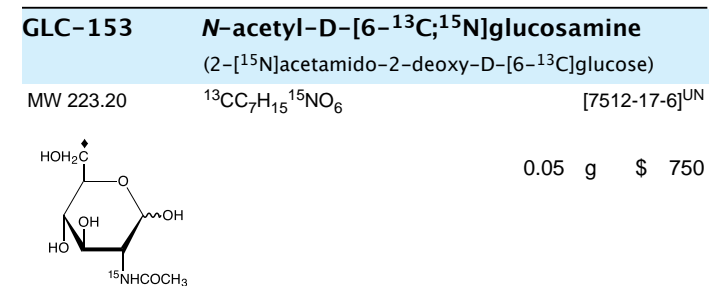
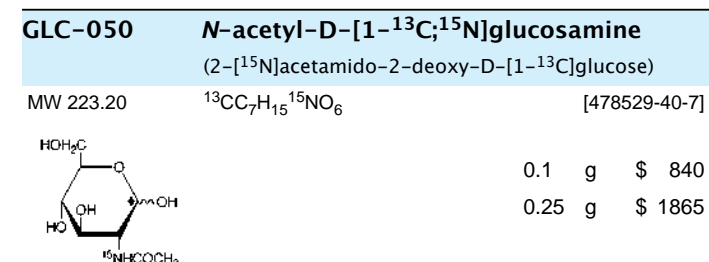
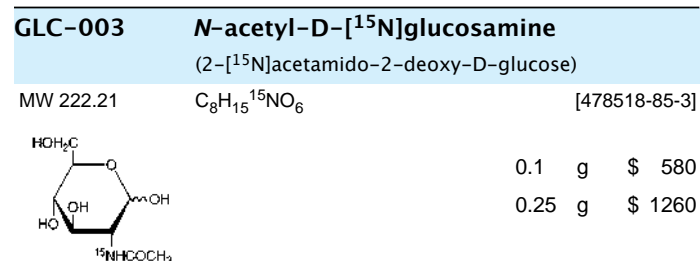
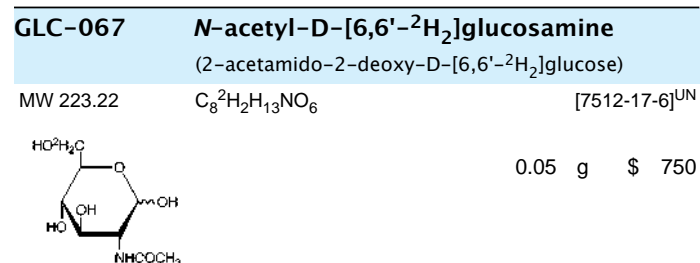
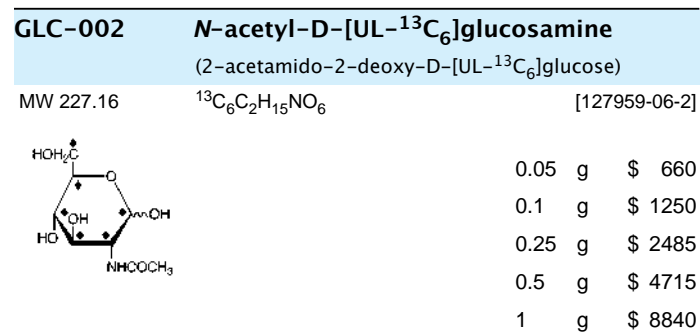
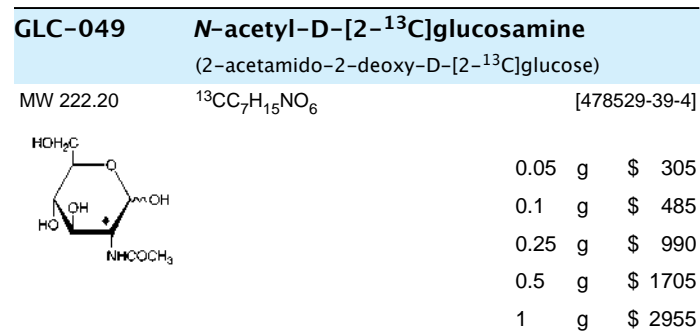
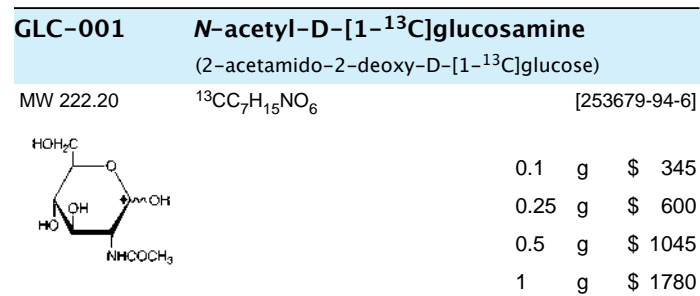
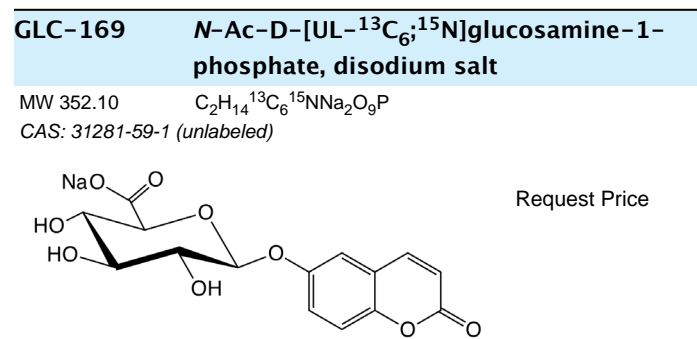
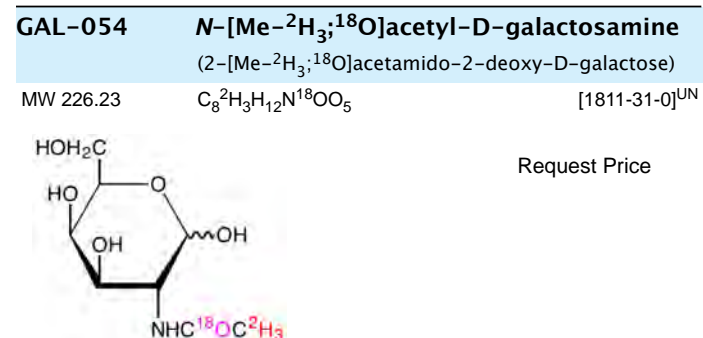
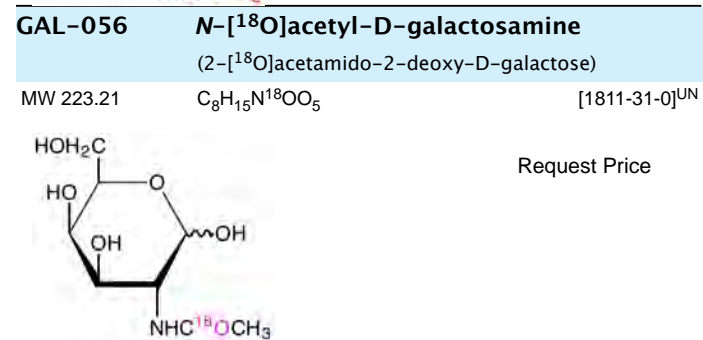
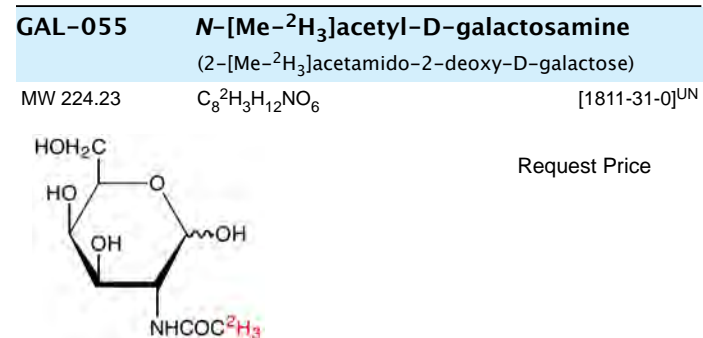
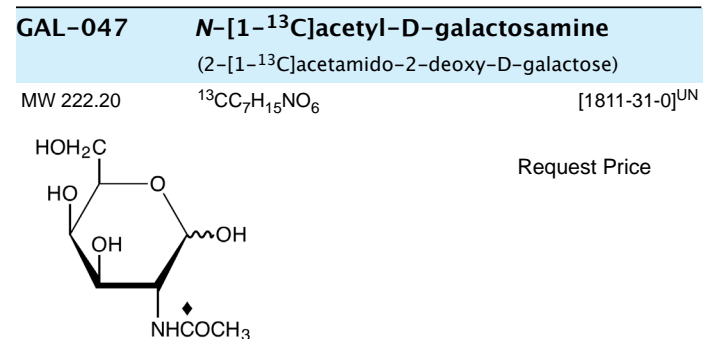
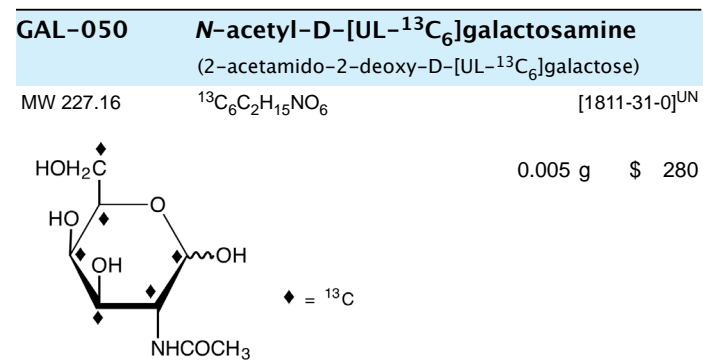
MW 222.20 $^{13}\text{C}_7\text{H}_{15}\text{NO}_6$ [478518-53-5]

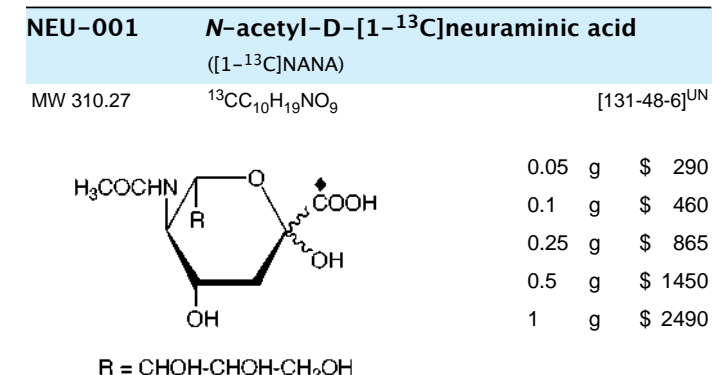
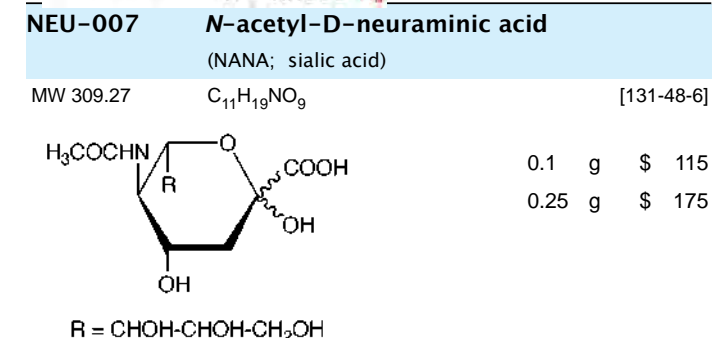
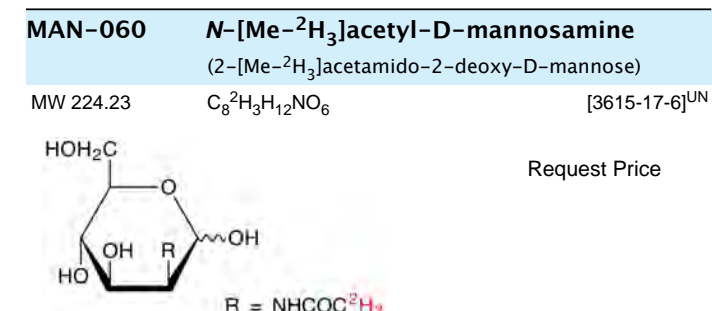
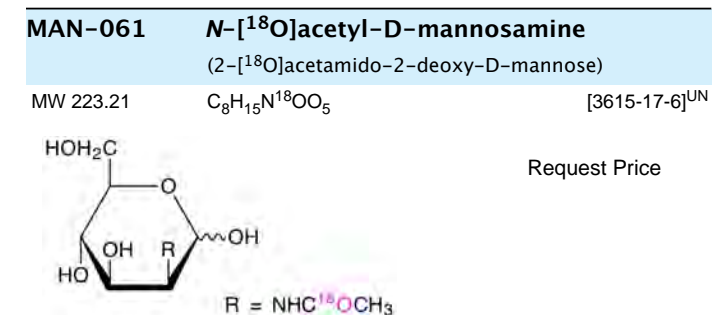
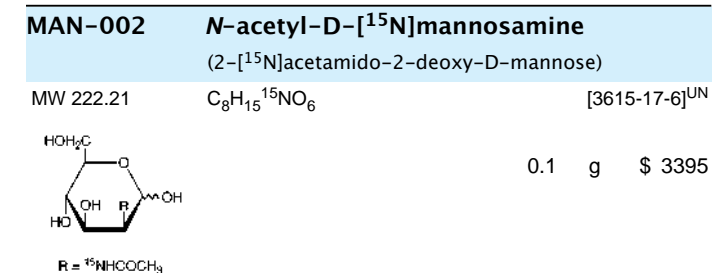
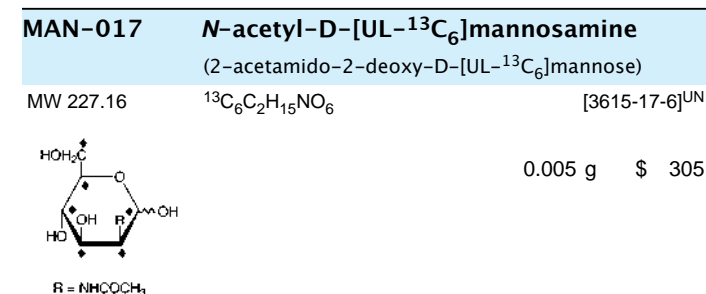
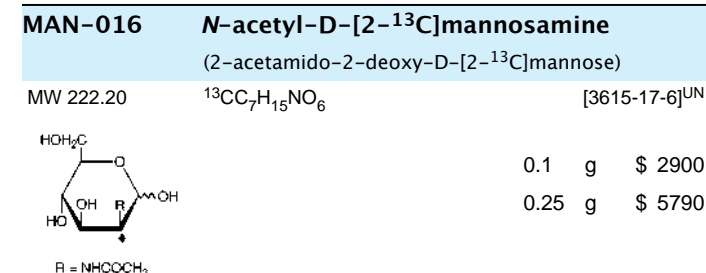
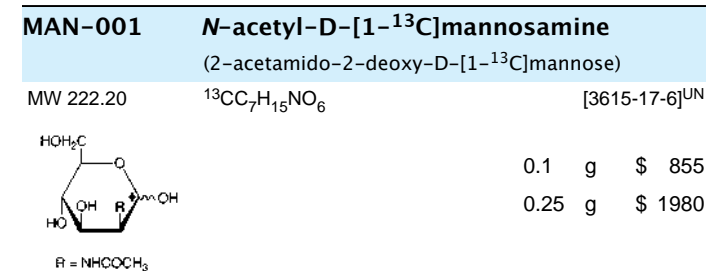
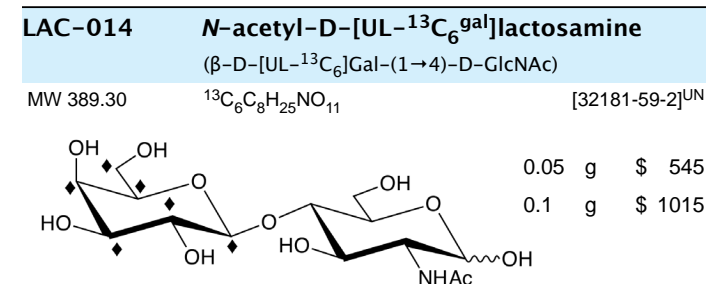
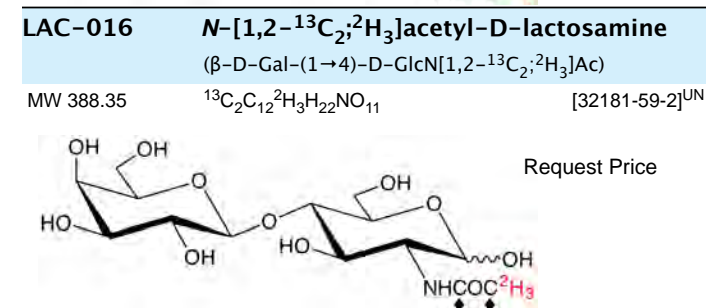
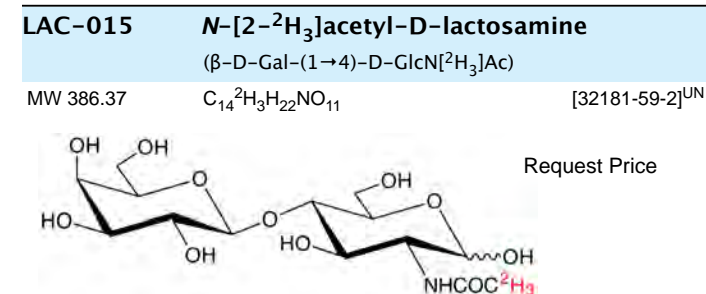
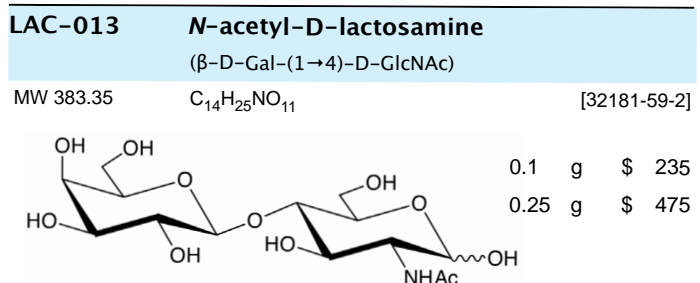
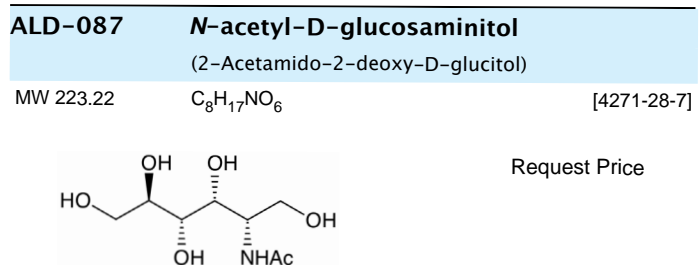
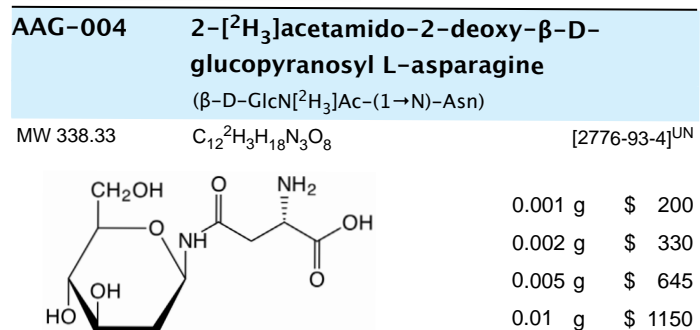
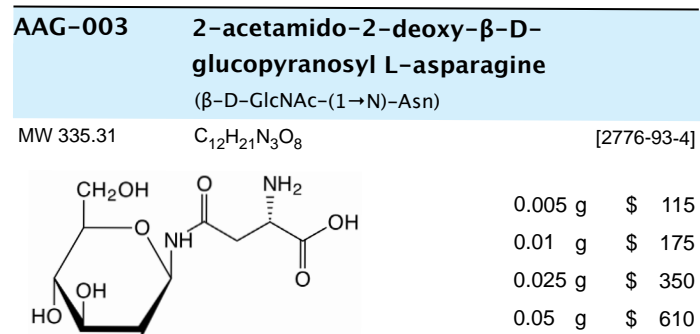
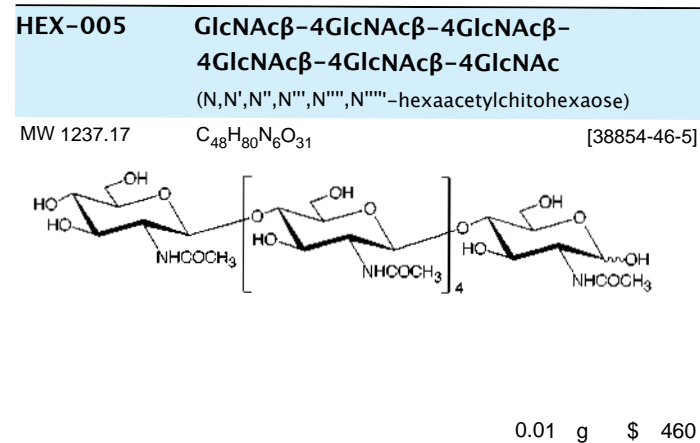
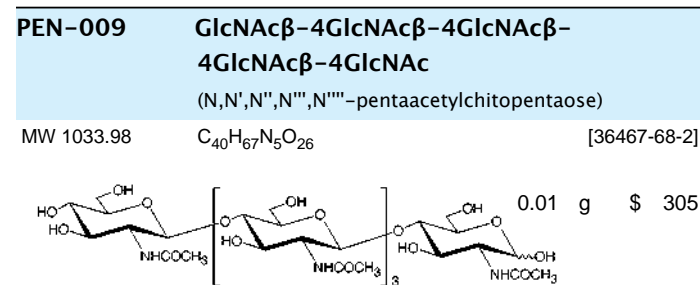
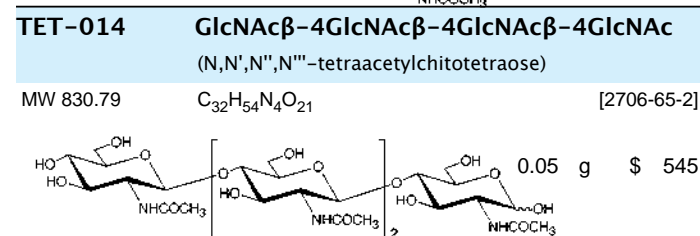
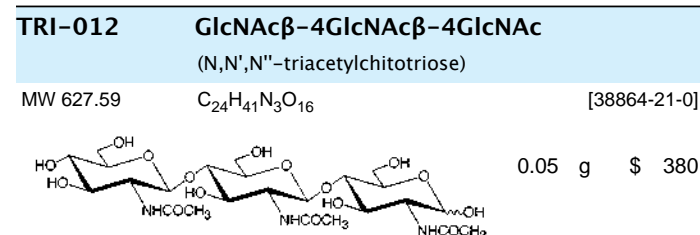
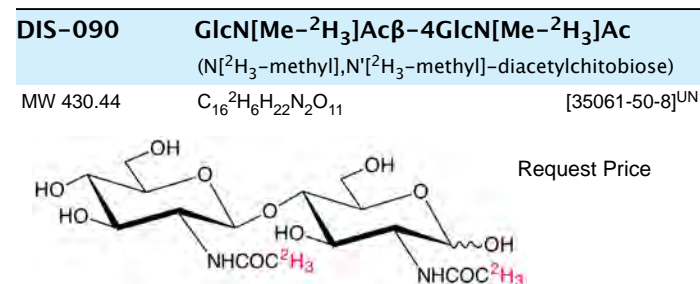
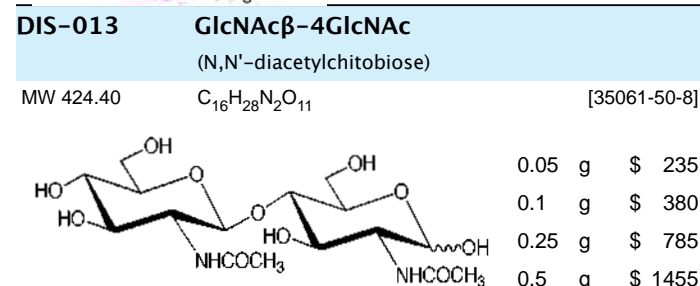
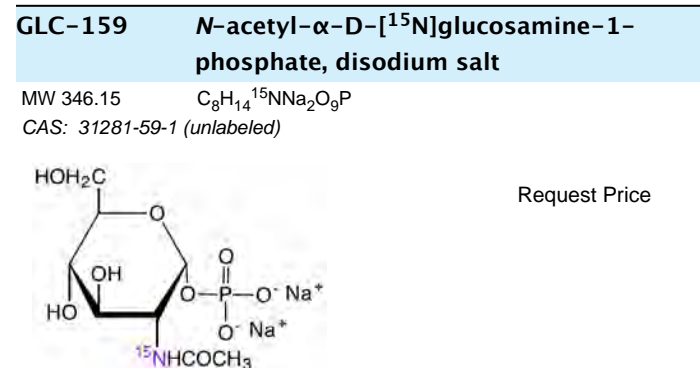


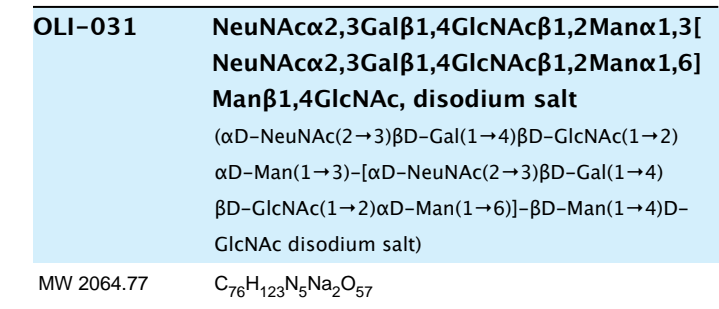
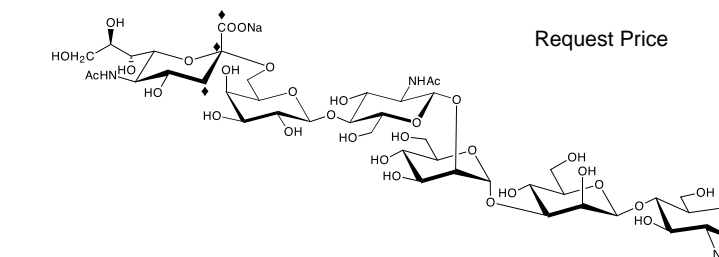
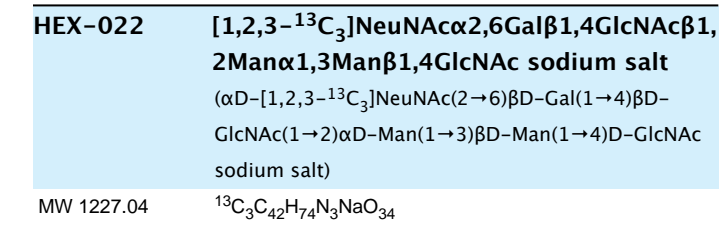
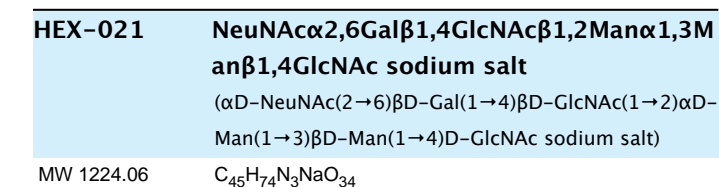
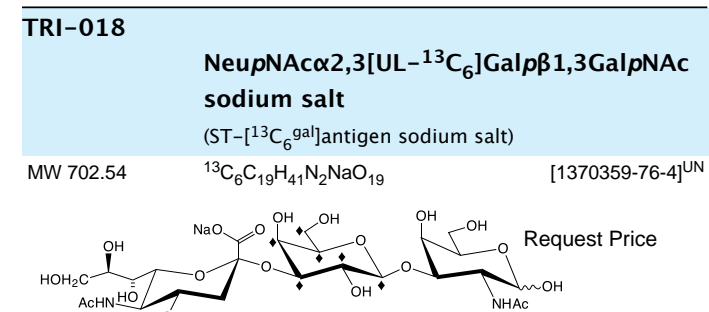
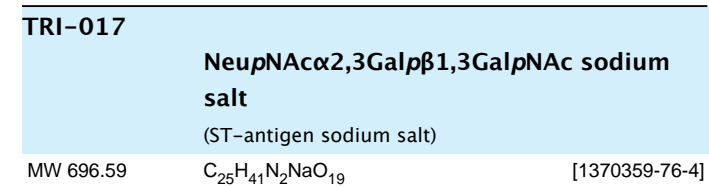
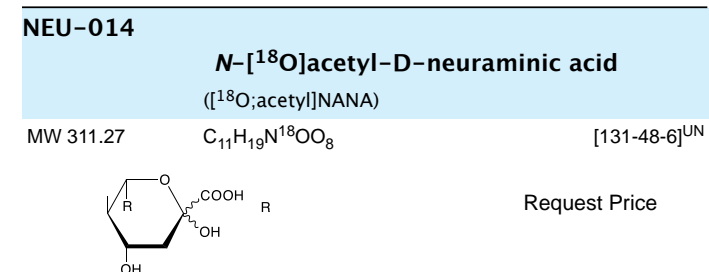
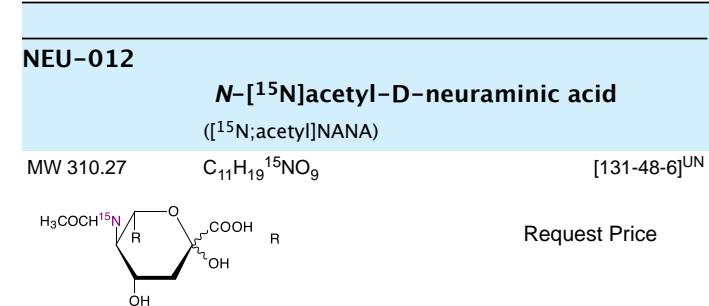
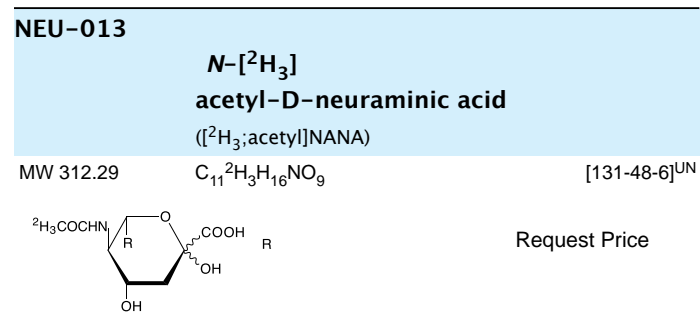
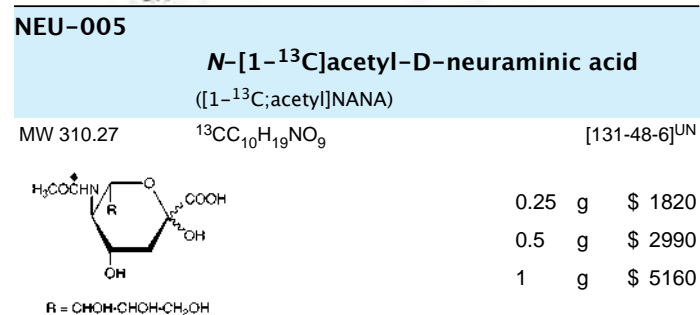
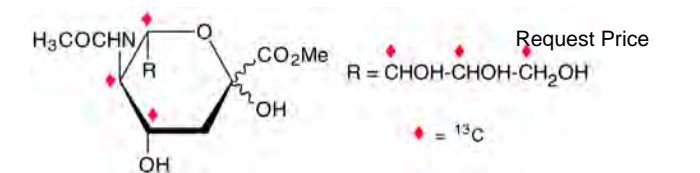
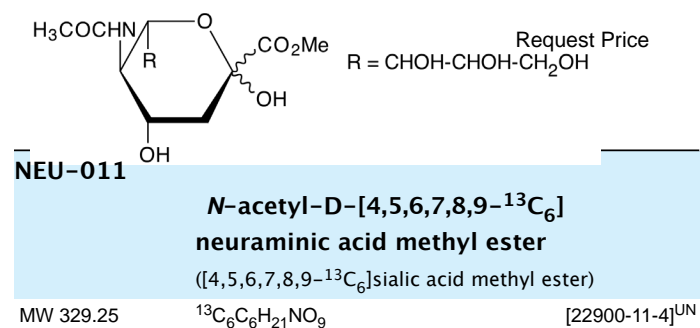
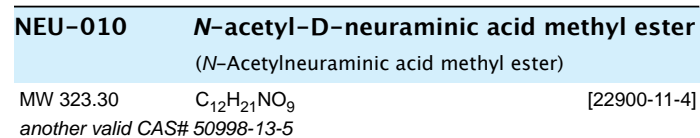
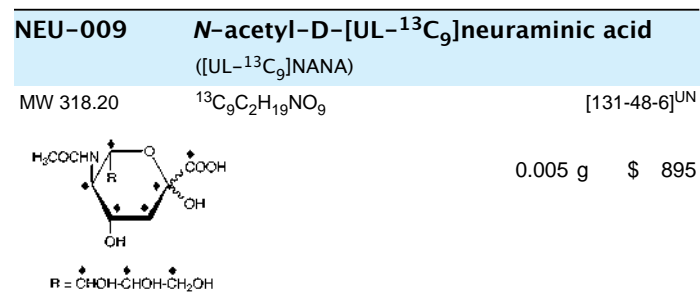
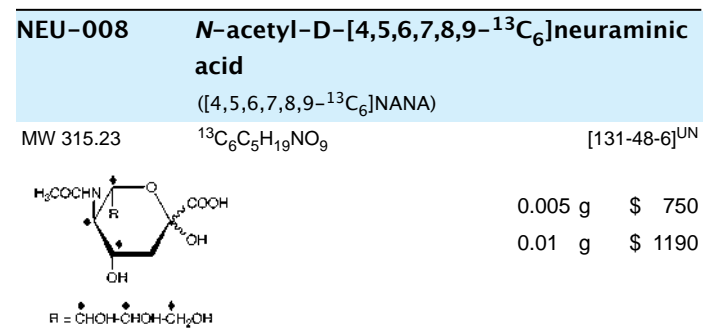
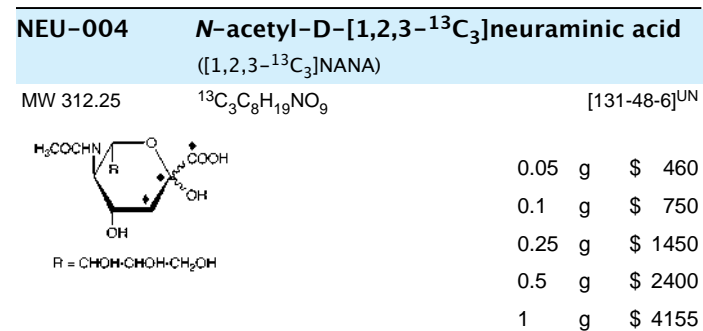
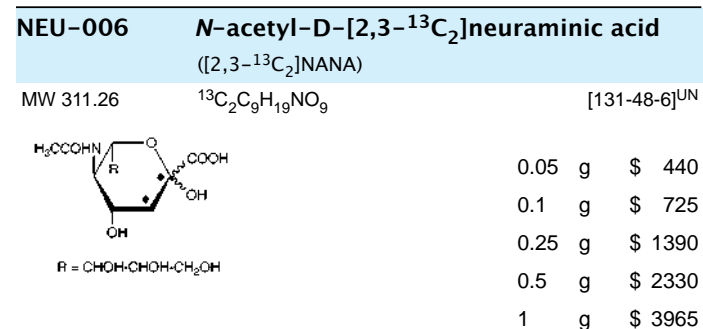
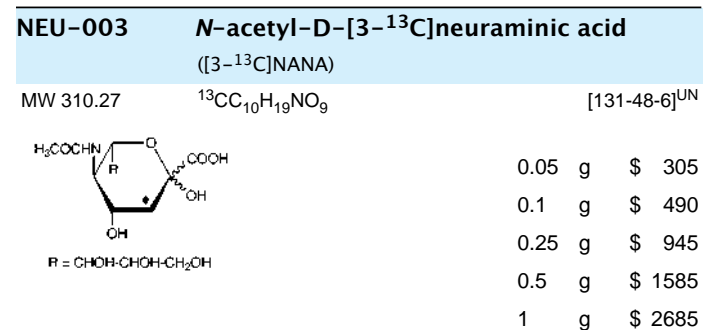
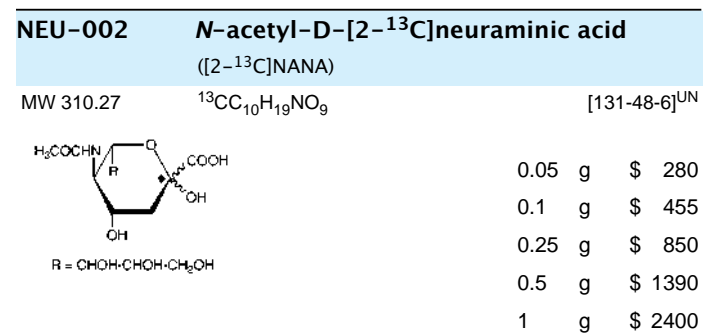
0.25 g \$ 2685

0.5 g \$ 5090

1 g \$ 9635

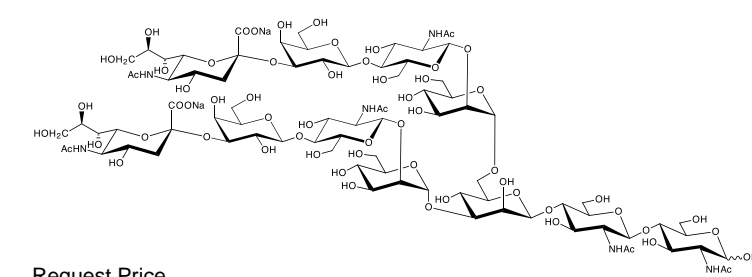






OLI-039 NeuNAc α 2,3Gal β 1,4GlcNAc β 1,2Man α 1,3[
NeuNAc α 2,3Gal β 1,4GlcNAc β 1,2Man α 1,6]
Man β 1,4GlcNAc β 1,4GlcNAc, disodium salt
(α D-NeuNAc(2 \rightarrow 3) β D-Gal(1 \rightarrow 4) β D-GlcNAc(1 \rightarrow 2)
 α D-Man(1 \rightarrow 3)-[α D-NeuNAc(2 \rightarrow 3) β D-Gal(1 \rightarrow 4)
 β D-GlcNAc(1 \rightarrow 2) α D-Man(1 \rightarrow 6)]- β D-Man(1 \rightarrow 4) β D-
GlcNAc-(1 \rightarrow 4)D-GlcNAc disodium salt)

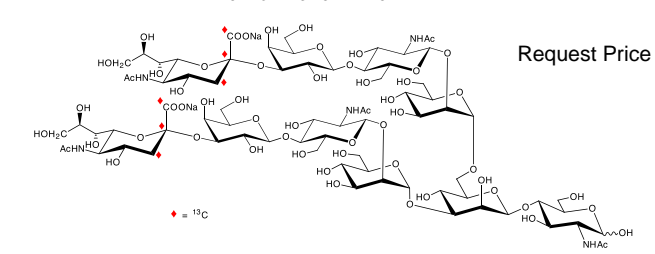
MW 2267.97 C₈₄H₁₃₆N₆Na₂O₆₂



Request Price

OLI-032 [1,2,3-¹³C₃]NeuNAc α 2,3Gal β 1,4
GlcNAc β 1,2Man α 1,3[[1,2,3-¹³C₃]
NeuNAc α 2,3Gal β 1,4GlcNAc β 1,2Man α 1
,6]
Man β 1,4GlcNAc, disodium salt

MW 2070.72 ¹³C₆C₇₀H₁₂₃N₅Na₂O₅₇

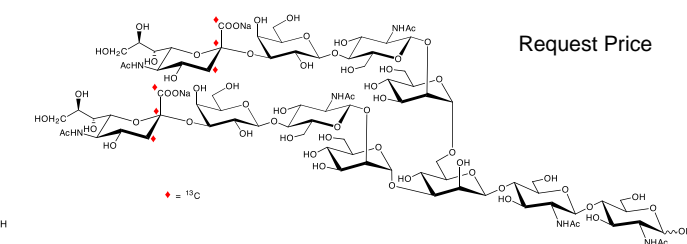


Request Price

• = ¹³C

OLI-040 [1,2,3-¹³C₃]NeuNAc α 2,3Gal β
1,4GlcNAc β 1,2Man α 1,3[[1,2,3-¹³C₃]
NeuNAc α 2,3Gal β 1,4GlcNAc β 1,2Man α 1
,6]
Man β 1,4GlcNAc β 1,4GlcNAc
, disodium salt

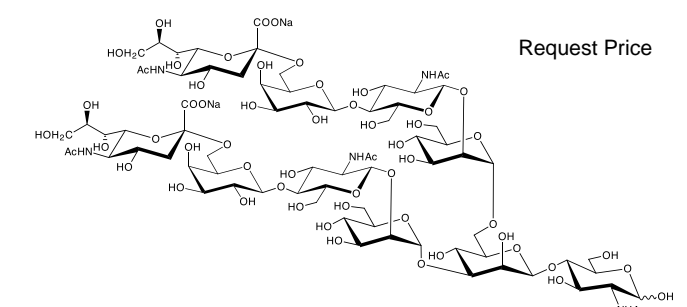
MW 2273.92 ¹³C₆C₇₈H₁₃₆N₆Na₂O₆₂



Request Price

OLI-022 NeuNAc α 2,6Gal β 1,4GlcNAc β 1,2Man α 1,3
(NeuNAc α 2,6Gal β 1,4GlcNAc β 1,2Man α 1,6)
Man β 1,4GlcNAc disodium salt

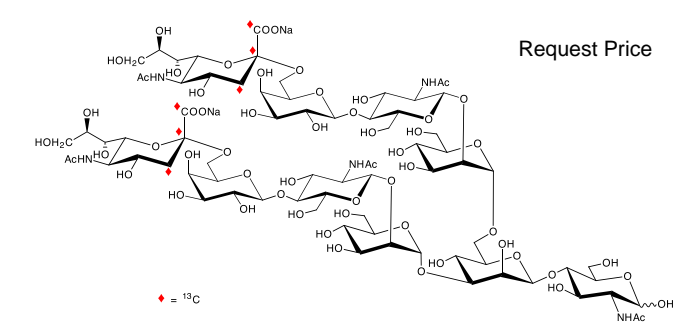
MW 2064.77 C₇₆H₁₂₃N₅Na₂O₅₇



Request Price

OLI-033 [1,2,3-¹³C₃]NeuNAc α 2,6
Gal β 1,4GlcNAc β 1,2Man α 1,3[[1,2,3-¹³C₃]
NeuNAc α 2,6Gal β 1,4GlcNAc β 1,2Man α 1,6]
Man β 1,4GlcNAc, disodium salt

MW 2070.72 ¹³C₆C₇₀H₁₂₃N₅Na₂O₅₇

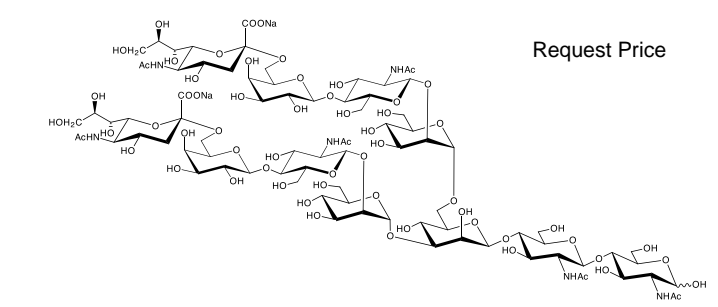


Request Price

• = ¹³C

OLI-034 NeuNAc α 2,6Gal β 1,4GlcNAc β 1,2Man α 1,3
[NeuNAc α 2,6Gal β 1,4GlcNAc β 1,2Man α 1,6]
Man β 1,4GlcNAc β 1,4GlcNAc, disodium
salt

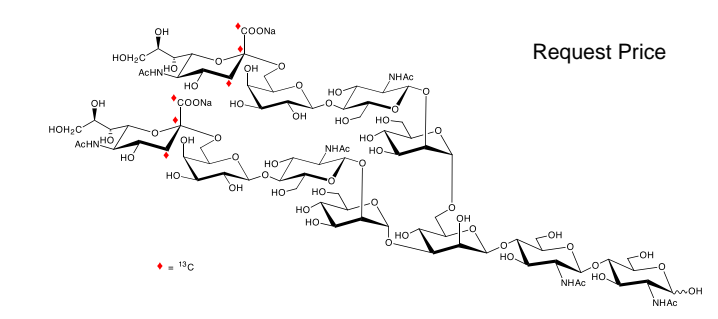
MW 2267.97 C₈₄H₁₃₆N₆Na₂O₆₂



Request Price

OLI-038 [1,2,3-¹³C₃]NeuNAc α 2,6Gal β
1,4GlcNAc β 1,2Man α 1,3[[1,2,3-¹³C₃]
NeuNAc α 2,6Gal β 1,4GlcNAc β 1,2Man α 1,6]
Man β 1,4GlcNAc β 1,4GlcNAc, disodium
salt

MW 2273.92 ¹³C₆C₇₈H₁₃₆N₆Na₂O₆₂

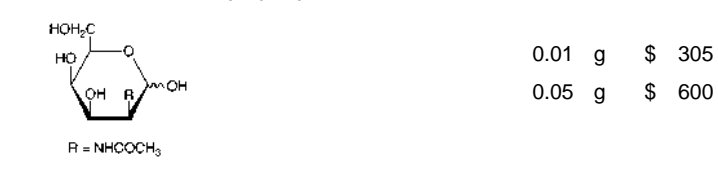


Request Price

N-acetyl-L-pneumosamine
see 2-acetamido-2,6-dideoxy-L-talose page 19

TAL-020 N-acetyl-D-talosamine
(2-acetamido-2-deoxy-D-talose)

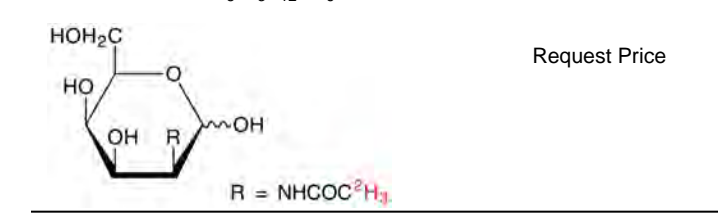
MW 221.21 C₈H₁₅NO₆ [282727-46-2]



0.01 g \$ 305
0.05 g \$ 600

TAL-028 N-[Me-²H₃]acetyl-D-talosamine
(2-[Me-²H₃]acetamido-2-deoxy-D-talose)

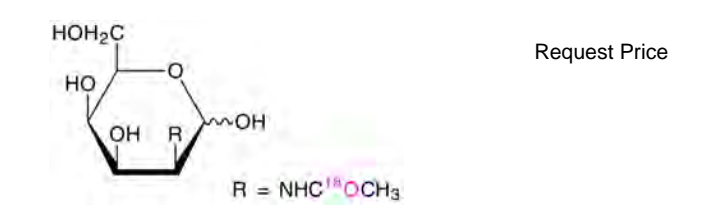
MW 224.23 C₈H₃H₁₂NO₆ [282727-46-2]^{UN}



Request Price

TAL-029 N-[¹⁸O]acetyl-D-talosamine
(2-[¹⁸O]acetamido-2-deoxy-D-talose)

MW 223.21 C₈H₁₅N¹⁸O₅ [282727-46-2]^{UN}



Request Price

TAL-021 N-acetyl-D-[1-¹³C]talosamine
(2-acetamido-2-deoxy-D-[1-¹³C]talose)

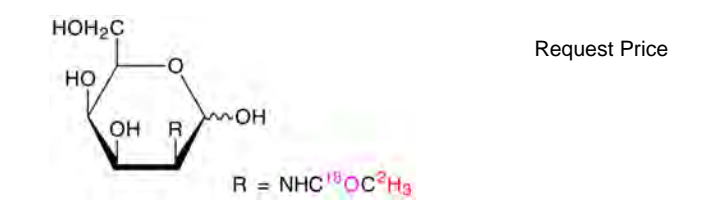
MW 222.20 ¹³CC₇H₁₅NO₆ [282727-46-2]^{UN}



0.01 g \$ 460
0.05 g \$ 750

TAL-027 N-[Me-²H₃,¹⁸O]acetyl-D-talosamine
(2-[Me-²H₃,¹⁸O]acetamido-2-deoxy-D-talose)

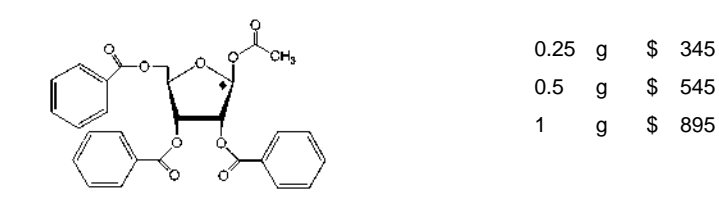
MW 226.23 C₈²H₃H₁₂N¹⁸O₅ [282727-46-2]^{UN}



Request Price

RIB-022 1-O-acetyl 2,3,5-tri-O-benzoyl-
 β -D-[1-¹³C]ribofuranoside

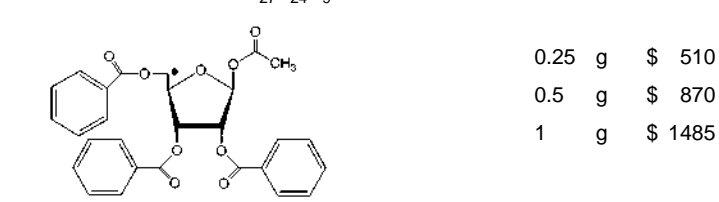
MW 505.49 ¹³CC₂₇H₂₄O₉ [6974-32-9]^{UN}



0.25 g \$ 345
0.5 g \$ 545
1 g \$ 895

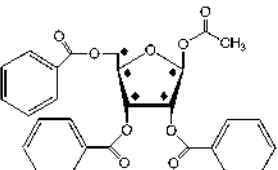
RIB-023 1-O-acetyl 2,3,5-tri-O-benzoyl-
 β -D-[5-¹³C]ribofuranoside

MW 505.49 ¹³CC₂₇H₂₄O₉ [6974-32-9]^{UN}

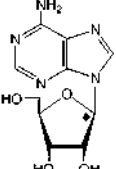


0.25 g \$ 510
0.5 g \$ 870
1 g \$ 1485

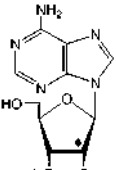
RIB-024	1-O-acetyl 2,3,5-tri-O-benzoyl-β-D-[UL- ¹³ C ₅]ribofuranoside			
MW 509.46	¹³ C ₅ C ₂₃ H ₂₄ O ₉	[6974-32-9] ^{UN}		
			0.25 g	\$ 750
			0.5 g	\$ 1280
			1 g	\$ 2225



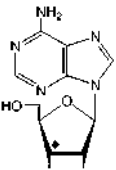
NUC-001	[1'- ¹³ C]adenosine			
MW 268.24	¹³ CC ₉ H ₁₃ N ₅ O ₄	[201996-55-6]		
			0.05 g	\$ 345
			0.1 g	\$ 580
			0.25 g	\$ 1135



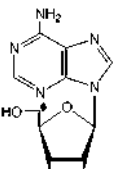
NUC-002	[2'- ¹³ C]adenosine			
MW 268.24	¹³ CC ₉ H ₁₃ N ₅ O ₄	[714950-52-4]		
			0.1 g	\$ 700
			0.25 g	\$ 1375



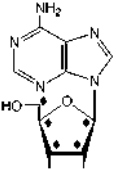
NUC-003	[3'- ¹³ C]adenosine			
MW 268.24	¹³ CC ₉ H ₁₃ N ₅ O ₄	[714950-53-5]		
			0.05 g	\$ 620
			0.1 g	\$ 1105
			0.25 g	\$ 2195



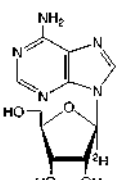
NUC-004	[5'- ¹³ C]adenosine			
MW 268.24	¹³ CC ₉ H ₁₃ N ₅ O ₄	[54447-57-3]		
			0.1 g	\$ 825
			0.25 g	\$ 1630



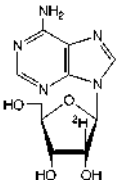
NUC-005	[1',2',3',4',5'- ¹³ C ₅]adenosine			
MW 272.21	¹³ C ₅ C ₉ H ₁₃ N ₅ O ₄	[159496-13-6]		
			0.05 g	\$ 545
			0.1 g	\$ 990
			0.25 g	\$ 1960



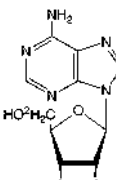
NUC-047	[1'- ² H]adenosine			
MW 268.25	C ₁₀ ² HH ₁₂ N ₅ O ₄	[58-61-7] ^{UN}		
			0.05 g	\$ 430
			0.1 g	\$ 720
			0.25 g	\$ 1430



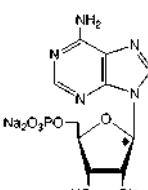
NUC-060	[2'- ² H]adenosine			
MW 268.25	C ₁₀ ² HH ₁₂ N ₅ O ₄	[58-61-7] ^{UN}		
			0.05 g	\$ 510
			0.1 g	\$ 895
			0.25 g	\$ 1780



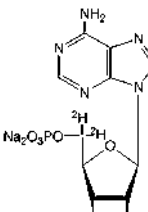
NUC-006	[5',5''- ² H ₂]adenosine			
MW 269.26	C ₁₀ ² H ₂ H ₁₁ N ₅ O ₄	[58-61-7] ^{UN}		
			0.1 g	\$ 895
			0.25 g	\$ 1780



NCT-001	[1'- ¹³ C]adenosine 5'-monophosphate, disodium salt			
	([1'- ¹³ C]5'-adenylic acid, disodium salt)			
MW 392.18	¹³ CC ₉ H ₁₂ N ₅ Na ₂ O ₇ P	[149022-20-8] ^{UN}		
			0.01 g	\$ 675
			0.025 g	\$ 1335
			0.05 g	\$ 2450
			0.1 g	\$ 4425



NCT-002	[5',5''- ² H ₂]adenosine 5'-monophosphate, disodium salt			
	([5',5''- ² H ₂]5'-adenylic acid, disodium salt)			
MW 393.20	C ₁₀ ² H ₂ H ₁₀ N ₅ Na ₂ O ₇ P	[149022-20-8] ^{UN}		
			0.01 g	\$ 895
			0.025 g	\$ 1780
			0.05 g	\$ 3250
			0.1 g	\$ 5900



5'-adenylic acid				
	see adenosine 5'-monophosphate	page 28		

adonitol				
	see ribitol	page 10		

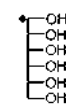
ALD-001	allitol			
MW 182.17	C ₆ H ₁₄ O ₆	[488-44-8]		

			0.25 g	\$ 260
			0.5 g	\$ 430
			1 g	\$ 720



ALD-002	D-[1- ¹³ C]allitol			
	(L-[6- ¹³ C]allitol)			
MW 183.17	¹³ CC ₅ H ₁₄ O ₆	[488-44-8] ^{UN}		

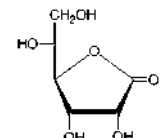
			0.25 g	\$ 400
			0.5 g	\$ 675
			1 g	\$ 1120



allonic acid lactone				
	see allono-lactone	page 29		

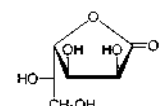
ALL-012	D-allono-1,4-lactone			
	(D-allonic acid γ-lactone)			
MW 178.14	C ₆ H ₁₀ O ₆	[29474-78-0]		

			0.25 g	\$ 280
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ALL-013	L-allono-1,4-lactone			
	(L-allonic acid γ-lactone)			
MW 178.14	C ₆ H ₁₀ O ₆	[78184-43-7]		

			0.25 g	\$ 600
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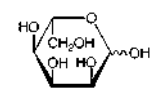


ALL-003	D-allose			
MW 180.16	C ₆ H ₁₂ O ₆	[2595-97-3]		

			1 g	\$ 195
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ALL-004	L-allose			
MW 180.16	C ₆ H ₁₂ O ₆	[7635-11-2]		
			0.25 g	\$ 360
			0.5 g	\$ 590
			1 g	\$ 1015



ALL-001	D-[1- ¹³ C]allose			
MW 181.15	¹³ CC ₅ H ₁₂ O ₆	[70849-28-4]		

			0.25 g	\$ 305
			0.5 g	\$ 525
			1 g	\$ 895



ALL-017	L-[1- ¹³ C]allose			
MW 181.15	¹³ CC ₅ H ₁₂ O ₆	[7635-11-2] ^{UN}		

			Request Price	
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ALL-002	D-[2- ¹³ C]allose			
MW 181.15	¹³ CC ₅ H ₁₂ O ₆	[2595-97-3] ^{UN}		

			0.25 g	\$ 460
			0.5 g	\$ 765
			1 g	\$ 1300



ALL-006	D-[3- ¹³ C]allose			
MW 181.15	¹³ CC ₅ H ₁₂ O ₆	[2595-97-3] ^{UN}		

			0.25 g	\$ 990
			0.5 g	\$ 1780
			1 g	\$ 3250



ALL-014	D-[UL- ¹³ C ₆]allose			
MW 186.11	¹³ C ₆ H ₁₂ O ₆	[2595-97-3] ^{UN}		

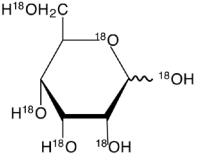
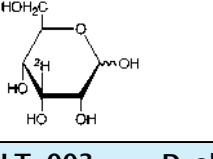
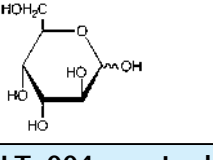
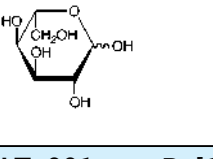
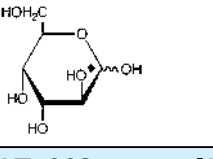
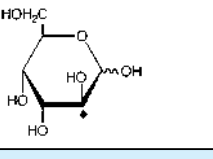
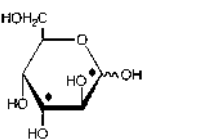
			Request Price	
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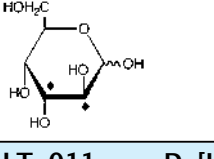
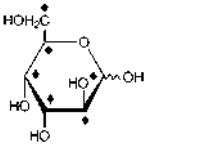
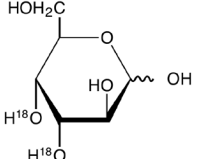
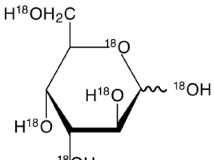
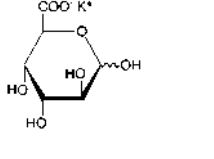
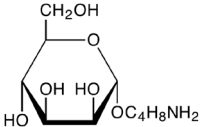


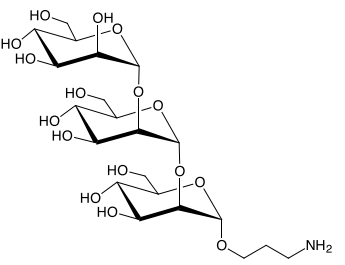
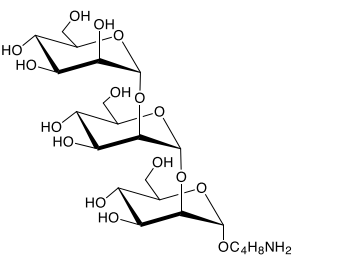
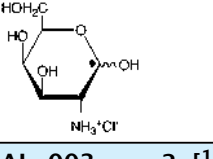
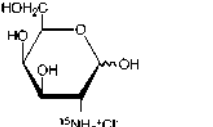
ALL-015	D-[3,4- ¹⁸ O ₂]allose			
MW 184.16	C ₆ H ₁₂ ¹⁸ O ₂ O ₄	[2595-97-3] ^{UN}		

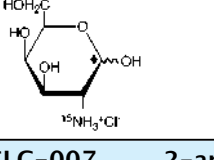
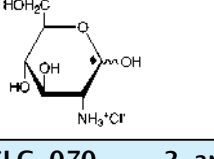
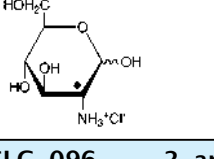
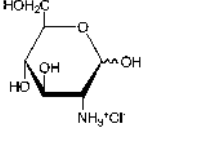
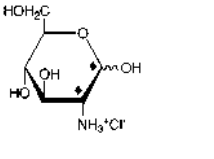
			Request Price	
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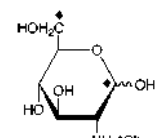
ALL-016	D-[UL-¹⁸O₆]allose		
MW 192.16	C ₆ H ₁₂ ¹⁸ O ₆	[2595-97-3] ^{UN}	
>90 atom-% ¹⁸ O			Request Price
			
ALL-005	D-[3-²H]allose		
MW 181.16	C ₆ ² H ₁₁ O ₆	[2595-97-3] ^{UN}	
			Request Price
			
ALT-003	D-altrose		
MW 180.16	C ₆ H ₁₂ O ₆	[1990-29-0]	
			0.25 g \$ 290
			0.5 g \$ 480
			1 g \$ 825
			
ALT-004	L-altrose		
MW 180.16	C ₆ H ₁₂ O ₆	[1949-88-8]	
			0.25 g \$ 430
			0.5 g \$ 720
			1 g \$ 1240
			
ALT-001	D-[1-¹³C]altrose		
MW 181.15	¹³ CC ₅ H ₁₂ O ₆	[70849-27-3]	
			0.25 g \$ 305
			0.5 g \$ 525
			1 g \$ 895
			
ALT-002	D-[2-¹³C]altrose		
MW 181.15	¹³ CC ₅ H ₁₂ O ₆	[1990-29-0] ^{UN}	
			0.25 g \$ 460
			0.5 g \$ 765
			1 g \$ 1300
			
ALT-014	D-[1,3-¹³C₂]altrose		
MW 182.14	¹³ C ₂ C ₄ H ₁₂ O ₆	[1990-29-0] ^{UN}	
			Request Price
			

ALT-010	D-[2,3-¹³C₂]altrose		
MW 182.14	¹³ C ₂ C ₄ H ₁₂ O ₆	[1990-29-0] ^{UN}	
			Request Price
			
ALT-011	D-[UL-¹³C₆]altrose		
MW 186.11	¹³ C ₆ H ₁₂ O ₆	[1990-29-0] ^{UN}	
			Request Price
			
ALT-017	D-[3,4-¹⁸O₂]altrose		
MW 184.16	C ₆ H ₁₂ ¹⁸ O ₂ O ₄	[1990-29-0] ^{UN}	
>90 atom-% ¹⁸ O			Request Price
			
ALT-018	D-[UL-¹⁸O₆]altrose		
MW 192.16	C ₆ H ₁₂ ¹⁸ O ₆	[1990-29-0] ^{UN}	
>90 atom-% ¹⁸ O			Request Price
			
ALT-008	D-altruronic acid, potassium salt (Potassium D-altruronate)		
MW 232.23	C ₆ H ₉ KO ₇		0.05 g \$ 305
			
MAN-050	4-aminobutyl α-D-mannopyranoside		
MW 251.28	C ₁₀ H ₂₁ NO ₆		Request Price
			

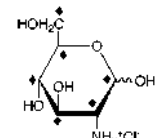
TRI-040	3-aminopropyl 2-O-(α-D-mannopyranosyl) 2-O-(α-D-mannopyranosyl) α-D-mannopyranoside		
MW 561.53	C ₂₁ H ₃₉ NO ₁₆		Request Price
			
TRI-014	4-aminobutyl α-D-Manp-(1→2)-α-D-Manp-(1→2)-α-D-Manp (4-aminobutyl 2-O-(α-D-mannopyranosyl) 2-O-(α-D-mannopyranosyl) α-D-mannopyranoside)		
MW 575.56	C ₂₂ H ₄₁ NO ₁₆		Request Price
			
GAL-002	2-amino-2-deoxy-D-[1-¹³C]galactose hydrochloride (D-[1- ¹³ C]galactosamine hydrochloride)		
MW 216.63	¹³ CC ₅ H ₁₃ NO ₅ ·HCl	[478518-54-6]	0.1 g \$ 855
			0.25 g \$ 1980
			
GAL-003	2-[¹⁵N]amino-2-deoxy-D-galactose hydrochloride (D-[¹⁵ N]galactosamine hydrochloride)		
MW 216.64	C ₆ H ₁₃ ¹⁵ NO ₅ ·HCl	[478518-55-7]	0.1 g \$ 1455
			0.25 g \$ 3430
			

GAL-032	2-[¹⁵N]amino-2-deoxy-D-[1-¹³C]galactose hydrochloride (D-[1- ¹³ C; ¹⁵ N]galactosamine hydrochloride)		
MW 217.63	¹³ CC ₅ H ₁₃ ¹⁵ NO ₅ ·HCl	[1772-03-8] ^{UN}	Request Price
			
GLC-007	2-amino-2-deoxy-D-[1-¹³C]glucose hydrochloride (D-[1- ¹³ C]glucosamine hydrochloride)		
MW 216.63	¹³ CC ₅ H ₁₃ NO ₅ ·HCl	[84247-63-2]	0.05 g \$ 485
			0.1 g \$ 855
			0.25 g \$ 1980
			
GLC-070	2-amino-2-deoxy-D-[2-¹³C]glucose hydrochloride (D-[2- ¹³ C]glucosamine hydrochloride)		
MW 216.63	¹³ CC ₅ H ₁₃ NO ₅ ·HCl	[66-84-2] ^{UN}	0.05 g \$ 630
			0.1 g \$ 1135
			0.25 g \$ 2225
			
GLC-096	2-amino-2-deoxy-D-[6-¹³C]glucose hydrochloride (D-[6- ¹³ C]glucosamine hydrochloride)		
MW 216.63	¹³ CC ₅ H ₁₃ NO ₅ ·HCl	[66-84-2] ^{UN}	0.1 g \$ 1260
			0.25 g \$ 2660
			
GLC-092	2-amino-2-deoxy-D-[1,2-¹³C₂]glucose hydrochloride (D-[1,2- ¹³ C ₂]glucosamine hydrochloride)		
MW 217.62	¹³ C ₂ C ₄ H ₁₃ NO ₅ ·HCl	[66-84-2] ^{UN}	0.025 g \$ 460
			0.05 g \$ 750
			0.1 g \$ 1260
			0.25 g \$ 2660
			

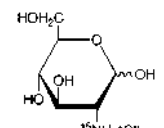
GLC-097 2-amino-2-deoxy-D-[1,6-¹³C₂]glucose hydrochloride
(D-[1,6-¹³C₂]glucosamine hydrochloride)
MW 217.62 ¹³C₂C₄H₁₃NO₅·HCl [66-84-2]^{UN}
Request Price



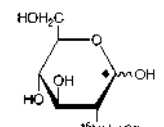
GLC-091 2-amino-2-deoxy-D-[UL-¹³C₆]glucose hydrochloride
(D-[UL-¹³C₆]glucosamine hydrochloride)
MW 221.59 ¹³C₆H₁₃NO₅·HCl [66-84-2]^{UN}
0.025 g \$ 380
0.05 g \$ 675
0.1 g \$ 1190
0.25 g \$ 2365



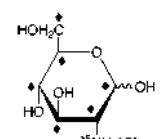
GLC-008 2-[¹⁵N]amino-2-deoxy-D-glucose hydrochloride
(D-[¹⁵N]glucosamine hydrochloride)
MW 216.64 C₆H₁₃¹⁵NO₅·HCl [42927-60-6]
0.01 g \$ 280
0.1 g \$ 970
0.25 g \$ 1930



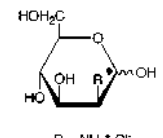
GLC-093 2-[¹⁵N]amino-2-deoxy-D-[1-¹³C]glucose hydrochloride
(D-[1-¹³C,¹⁵N]glucosamine hydrochloride)
MW 217.63 ¹³CC₅H₁₃¹⁵NO₅·HCl [66-84-2]^{UN}
Request Price



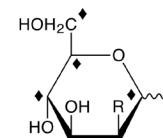
GLC-094 2-[¹⁵N]amino-2-deoxy-D-[UL-¹³C₆]glucose hydrochloride
(D-[UL-¹³C₆,¹⁵N]glucosamine hydrochloride)
MW 222.58 ¹³C₆H₁₃¹⁵NO₅·HCl [66-84-2]^{UN}
0.01 g \$ 280
0.025 g \$ 525
0.05 g \$ 895



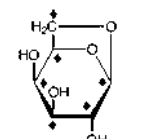
MAN-003 2-amino-2-deoxy-D-[1-¹³C]mannose hydrochloride
(D-[1-¹³C]mannosamine hydrochloride)
MW 216.63 ¹³CC₅H₁₃NO₅·HCl [5505-63-5]^{UN}
Request Price



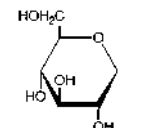
MAN-065 2-amino-2-deoxy-D-[¹³C₆]mannose hydrochloride
(D-[UL-¹³C₆]mannosamine hydrochloride)
MW 221.58 ¹³C₆H₁₃NO₅·HCl [5505-63-5]^{UN}
Request Price



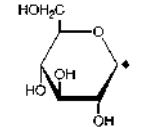
GAL-029 1,6-anhydro-β-D-[UL-¹³C₆]galactose
(1,6-anhydro-β-D-[UL-¹³C₆]galactopyranose)
MW 168.09 ¹³C₆H₁₀O₅ [644-76-8]^{UN}
0.05 g \$ 1075
0.1 g \$ 2045



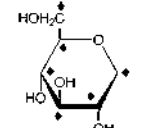
ALD-070 1,5-anhydro-D-glucitol
(1,5-anhydro-D-sorbitol)
MW 164.16 C₆H₁₂O₅ [154-58-5]
0.1 g \$ 130
1 g \$ 305



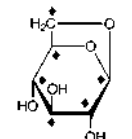
ALD-071 1,5-anhydro-D-[1-¹³C]glucitol
(1,5-anhydro-D-[1-¹³C]sorbitol)
MW 165.15 ¹³CC₅H₁₂O₅ [154-58-5]^{UN}
0.025 g \$ 280
0.05 g \$ 430
0.1 g \$ 750



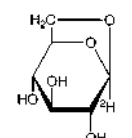
ALD-069 1,5-anhydro-D-[UL-¹³C₆]glucitol
(1,5-anhydro-D-[UL-¹³C₆]sorbitol)
MW 170.11 ¹³C₆H₁₂O₅ [154-58-5]^{UN}
0.025 g \$ 345
0.05 g \$ 525
0.1 g \$ 895



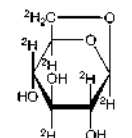
GLC-009 1,6-anhydro-β-D-[UL-¹³C₆]glucose
(1,6-anhydro-β-D-[UL-¹³C₆]glucopyranose)
MW 168.09 ¹³C₆H₁₀O₅ [478518-93-3]
0.05 g \$ 235
0.1 g \$ 430
0.25 g \$ 840
0.5 g \$ 1605
1 g \$ 2955



GLC-086 1,6-anhydro-β-D-[1-²H]glucose
(1,6-anhydro-β-D-[1-²H]glucopyranose)
MW 163.15 C₆²H₉O₅ [498-07-7]^{UN}
Request Price



GLC-071 1,6-anhydro-β-D-[UL-²H₇]glucose
(1,6-anhydro-β-D-[UL-²H₇]glucopyranose)
MW 169.19 C₆²H₇H₃O₅ [498-07-7]^{UN}
0.05 g \$ 470
0.1 g \$ 870
0.25 g \$ 1725
0.5 g \$ 3250
1 g \$ 6190

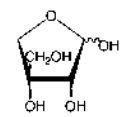


1,5-anhydro-sorbitol
see 1,5-anhydro-D-glucitol page 32

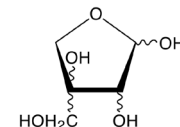
ST-antigen
see N-acetylneuraminic acid-Gal-GalNAc page 25

T-antigen
see Gal-GalNAc page 54

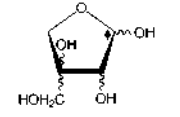
API-001 D-apiose
(3-C-(hydroxymethyl)-D-glycero-tetrose)
MW 150.13 C₅H₁₀O₅ [639-97-4]
Supplied as an aqueous solution.
0.05 g \$ 280
0.1 g \$ 410
0.25 g \$ 815
0.5 g \$ 1485
1 g \$ 2685



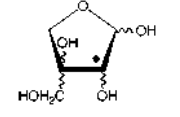
API-004 DL-apiose
MW 150.13 C₅H₁₀O₅ [42927-70-8]
Supplied as an aqueous solution.
0.1 g \$ 365
0.25 g \$ 645
0.5 g \$ 1150
1 g \$ 2150



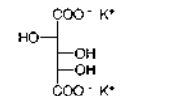
API-002 DL-[1-¹³C]apiose
MW 151.12 ¹³CC₄H₁₀O₅ [498-07-7]^{UN}
Supplied as an aqueous solution.
0.25 g \$ 675
0.5 g \$ 1135
1 g \$ 1930



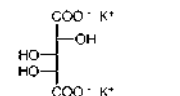
API-003 DL-[2-¹³C]apiose
MW 151.12 ¹³CC₄H₁₀O₅ [498-07-7]^{UN}
Supplied as an aqueous solution.
0.25 g \$ 720
0.5 g \$ 1190
1 g \$ 2075




ARA-026 D-arabinaric acid, dipotassium salt
(Dipotassium D-arabinate)
MW 256.30 C₅H₆K₂O₇
0.25 g \$ 720



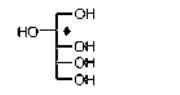
ARA-025 L-arabinaric acid, dipotassium salt
(Dipotassium L-arabinate)
MW 256.30 C₅H₆K₂O₇
0.25 g \$ 720

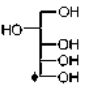


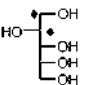
ALD-003 D-[1-¹³C]arabinitol
(D-[1-¹³C]arabitol; D-[5-¹³C]lyxitol)
MW 153.14 ¹³CC₄H₁₂O₅ [488-82-4]^{UN}
0.1 g \$ 205
0.25 g \$ 400
0.5 g \$ 675
1 g \$ 1120

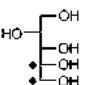


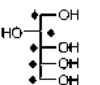
ALD-004 D-[2-¹³C]arabinitol
(D-[2-¹³C]arabitol; D-[4-¹³C]lyxitol)
MW 153.14 ¹³CC₄H₁₂O₅ [488-82-4]^{UN}
0.25 g \$ 460
0.5 g \$ 770
1 g \$ 1335



ALD-005	D-[5- ¹³ C]arabinitol	(D-[5- ¹³ C]arabitol; D-[1- ¹³ C]lyxitol)
MW 153.14	¹³ C ₄ H ₁₂ O ₅	[488-82-4] ^{UN}
	0.1 g	\$ 205
	0.25 g	\$ 400
	0.5 g	\$ 675
	1 g	\$ 1120

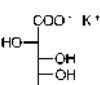
ALD-006	D-[1,2- ¹³ C ₂]arabinitol	(D-[1,2- ¹³ C ₂]arabitol; D-[4,5- ¹³ C ₂]lyxitol)
MW 154.13	¹³ C ₂ C ₃ H ₁₂ O ₅	[488-82-4] ^{UN}
	0.1 g	\$ 365
	0.25 g	\$ 710
	0.5 g	\$ 1200
	1 g	\$ 2075

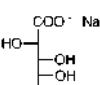
ALD-065	D-[4,5- ¹³ C ₂]arabinitol	(D-[4,5- ¹³ C ₂]arabitol; D-[1,2- ¹³ C ₂]lyxitol)
MW 154.13	¹³ C ₂ C ₃ H ₁₂ O ₅	[488-82-4] ^{UN}
	Request Price	

ALD-007	D-[UL- ¹³ C ₅]arabinitol	(D-[UL- ¹³ C ₅]arabitol; D-[UL- ¹³ C ₅]lyxitol)
MW 157.11	¹³ C ₅ H ₁₂ O ₅	[488-82-4] ^{UN}
	0.1 g	\$ 500
	0.25 g	\$ 1005
	0.5 g	\$ 1805
	1 g	\$ 3250

D-arabino-hexos-2-ulose


see glucosone page 67


ARA-028	D-arabinonic acid, potassium salt	(Potassium D-arabinonate)
MW 204.22	C ₅ H ₉ KO ₆	[36232-89-0]
	1 g	\$ 165


ARA-027	D-arabinonic acid, sodium salt	(Sodium D-arabinonate)
MW 188.11	C ₅ H ₉ NaO ₆	[109175-66-8]
	Request Price	


arabinonic acid lactone


see arabinono-lactone page 34


ARA-023	D-arabinono-1,4-lactone	(D-arabinonic acid γ-lactone)
MW 148.11	C ₅ H ₈ O ₅	[2782-09-4]
	1 g	\$ 380


ARA-024	L-arabinono-1,4-lactone	(L-arabinonic acid γ-lactone)
MW 148.11	C ₅ H ₈ O ₅	[51532-86-6]
	Request Price	


ARA-001	D-[1- ¹³ C]arabinose	
MW 151.12	¹³ CC ₄ H ₁₀ O ₅	[70849-23-9]
	0.25 g	\$ 195
	0.5 g	\$ 305
	1 g	\$ 525


ARA-021	L-[1- ¹³ C]arabinose	
MW 151.12	¹³ CC ₄ H ₁₀ O ₅	[87-72-9] ^{UN}
	0.1 g	\$ 195
	0.25 g	\$ 305
	0.5 g	\$ 500
	1 g	\$ 850


ARA-002	D-[2- ¹³ C]arabinose	
MW 151.12	¹³ CC ₄ H ₁₀ O ₅	[101615-87-6]
	0.1 g	\$ 185
	0.25 g	\$ 380
	0.5 g	\$ 645
	1 g	\$ 1120


ARA-010	L-[2- ¹³ C]arabinose	
MW 151.12	¹³ CC ₄ H ₁₀ O ₅	[87-72-9] ^{UN}
	0.1 g	\$ 235
	0.25 g	\$ 460
	0.5 g	\$ 825
	1 g	\$ 1485


ARA-003	D-[3- ¹³ C]arabinose	
MW 151.12	¹³ CC ₄ H ₁₀ O ₅	[10323-20-3] ^{UN}
	0.1 g	\$ 580
	0.25 g	\$ 1145
	0.5 g	\$ 2020
	1 g	\$ 3545


ARA-020	D-[4- ¹³ C]arabinose	
MW 151.12	¹³ CC ₄ H ₁₀ O ₅	[10323-20-3] ^{UN}
	0.1 g	\$ 895
	0.25 g	\$ 1780


ARA-004	D-[5- ¹³ C]arabinose	
MW 151.12	¹³ CC ₄ H ₁₀ O ₅	[139657-60-6]
	0.1 g	\$ 165
	0.25 g	\$ 305
	0.5 g	\$ 525
	1 g	\$ 895


ARA-005	D-[1,2- ¹³ C ₂]arabinose	
MW 152.11	¹³ C ₂ C ₃ H ₁₀ O ₅	[10323-20-3] ^{UN}
	0.1 g	\$ 305
	0.25 g	\$ 590
	0.5 g	\$ 1015
	1 g	\$ 1780


ARA-011	D-[1,3- ¹³ C ₂]arabinose	
MW 152.11	¹³ C ₂ C ₃ H ₁₀ O ₅	[10323-20-3] ^{UN}
	0.1 g	\$ 720
	0.25 g	\$ 1455
	0.5 g	\$ 2510
	1 g	\$ 4275


ARA-012	D-[1,5- ¹³ C ₂]arabinose	
MW 152.11	¹³ C ₂ C ₃ H ₁₀ O ₅	[10323-20-3] ^{UN}
	0.1 g	\$ 460
	0.25 g	\$ 940
	0.5 g	\$ 1630
	1 g	\$ 2805


ARA-013	D-[2,3- ¹³ C ₂]arabinose	
MW 152.11	¹³ C ₂ C ₃ H ₁₀ O ₅	[10323-20-3] ^{UN}
	Request Price	


ARA-029	D-[4,5- ¹³ C ₂]arabinose	
MW 152.11	¹³ C ₂ C ₃ H ₁₀ O ₅	[10323-20-3] ^{UN}
	0.1 g	\$ 895


ARA-031	D-[3,4,5- ¹³ C ₃]arabinose	
MW 153.11	¹³ C ₃ C ₂ H ₁₀ O ₅	[10323-20-3] ^{UN}
	Request Price	


ARA-019	D-[2,3,4,5- ¹³ C ₄]arabinose	
MW 154.10	¹³ C ₄ CH ₁₀ O ₅	[10323-20-3] ^{UN}
	0.1 g	\$ 580
	0.25 g	\$ 1170
	0.5 g	\$ 1995
	1 g	\$ 3545

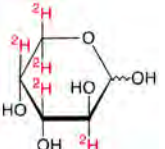
ARA-006	D-[UL- ¹³ C ₅]arabinose	
MW 155.09	¹³ C ₅ H ₁₀ O ₅	[10323-20-3] ^{UN}
	0.1 g	\$ 280
	0.25 g	\$ 545
	0.5 g	\$ 990
	1 g	\$ 1780

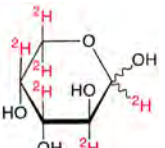
ARA-030	L-[UL- ¹³ C ₅]arabinose	
MW 155.09	¹³ C ₅ H ₁₀ O ₅	[87-72-9] ^{UN}
	0.05 g	\$ 380
	0.1 g	\$ 675

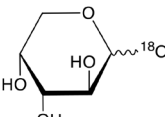
ARA-007	D-[1- ² H]arabinose	
MW 151.14	C ₅ ² H ₉ O ₅	[77583-92-7]
	0.1 g	\$ 180
	0.25 g	\$ 345
	0.5 g	\$ 545
	1 g	\$ 895

ARA-008	D-[2- ² H]arabinose	
MW 151.14	C ₅ ² H ₉ O ₅	[288846-87-7]
	0.1 g	\$ 205
	0.25 g	\$ 400
	0.5 g	\$ 645
	1 g	\$ 1075

ARA-009	D-[5,5'- ² H ₂]arabinose	
MW 152.15	C ₅ ² H ₂ H ₈ O ₅	[10323-20-3] ^{UN}
	0.1 g	\$ 205
	0.25 g	\$ 400
	0.5 g	\$ 645
	1 g	\$ 1075

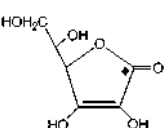
ARA-032	D-[2,3,4,5,5'- ² H ₅]arabinose
MW 155.16	C ₅ H ₅ H ₅ O ₅ [10323-20-3] ^{UN}
	0.05 g \$ 380
	0.1 g \$ 645
	0.25 g \$ 1280
	0.5 g \$ 2450

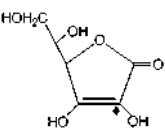
ARA-033	D-[1,2,3,4,5,5'- ² H ₆]arabinose (D-[UL- ² H ₆]arabinose)
MW 156.17	C ₅ ² H ₆ H ₄ O ₅ [10323-20-3] ^{UN}
	0.05 g \$ 235
	0.1 g \$ 400
	0.25 g \$ 825
	0.5 g \$ 1485
	1 g \$ 2660

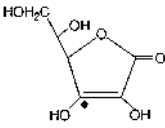
ARA-034	D-[1- ¹⁸ O]arabinose
MW 152.13	C ₅ H ₁₀ ¹⁸ O ₄ [10323-20-3] ^{UN}
>90 atom-% ¹⁸ O	Request Price
	

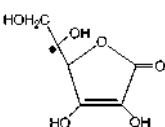
arabite
see arabinitol page 33

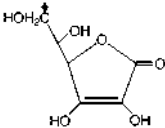
arabitol
see arabinitol page 33

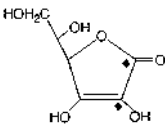
ASC-001	L-[1- ¹³ C]ascorbic acid ([1- ¹³ C]vitamin C)
MW 177.12	¹³ CC ₅ H ₈ O ₆ [178101-88-7]
	0.05 g \$ 280
	0.1 g \$ 460
	0.25 g \$ 895
	0.5 g \$ 1630
	1 g \$ 2955

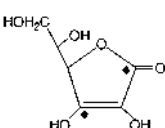
ASC-002	L-[2- ¹³ C]ascorbic acid ([2- ¹³ C]vitamin C)
MW 177.12	¹³ CC ₅ H ₈ O ₆ [178101-89-8]
	0.05 g \$ 330
	0.1 g \$ 580
	0.25 g \$ 1135
	0.5 g \$ 1960
	1 g \$ 3545

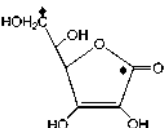
ASC-003	L-[3- ¹³ C]ascorbic acid ([3- ¹³ C]vitamin C)
MW 177.12	¹³ CC ₅ H ₈ O ₆ [50-81-7] ^{UN}
	0.05 g \$ 430
	0.1 g \$ 750
	0.25 g \$ 1515
	0.5 g \$ 2885
	1 g \$ 5450

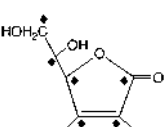
ASC-005	L-[5- ¹³ C]ascorbic acid ([5- ¹³ C]vitamin C)
MW 177.12	¹³ CC ₅ H ₈ O ₆ [50-81-7] ^{UN}
	0.05 g \$ 600
	0.1 g \$ 1135
	0.25 g \$ 2250
	0.5 g \$ 4250
	1 g \$ 8105

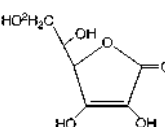
ASC-006	L-[6- ¹³ C]ascorbic acid ([6- ¹³ C]vitamin C)
MW 177.12	¹³ CC ₅ H ₈ O ₆ [149153-08-2]
	0.05 g \$ 400
	0.1 g \$ 720
	0.25 g \$ 1445
	0.5 g \$ 2730
	1 g \$ 5160

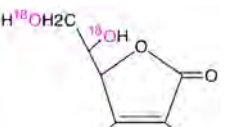
ASC-011	L-[1,2- ¹³ C ₂]ascorbic acid ([1,2- ¹³ C ₂]vitamin C)
MW 178.11	¹³ C ₂ C ₄ H ₈ O ₆ [50-81-7] ^{UN}
	0.05 g \$ 430
	0.1 g \$ 785
	0.25 g \$ 1560
	0.5 g \$ 2955
	1 g \$ 5660

ASC-009	L-[1,3- ¹³ C ₂]ascorbic acid ([1,3- ¹³ C ₂]vitamin C)
MW 178.11	¹³ C ₂ C ₄ H ₈ O ₆ [50-81-7] ^{UN}
	0.25 g \$ 1630
	0.5 g \$ 3110
	1 g \$ 5900

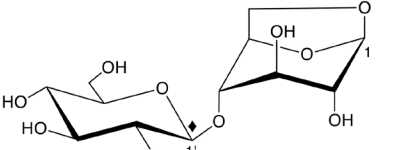
ASC-008	L-[1,6- ¹³ C ₂]ascorbic acid ([1,6- ¹³ C ₂]vitamin C)
MW 178.11	¹³ C ₂ C ₄ H ₈ O ₆ [50-81-7] ^{UN}
	0.05 g \$ 460
	0.1 g \$ 825
	0.25 g \$ 1630
	0.5 g \$ 3250
	1 g \$ 6190

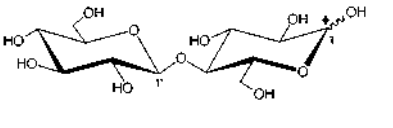
ASC-010	L-[UL- ¹³ C ₆]ascorbic acid ([UL- ¹³ C ₆]vitamin C)
MW 182.08	¹³ C ₆ H ₈ O ₆ [50-81-7] ^{UN}
	0.01 g \$ 235
	0.025 g \$ 430
	0.05 g \$ 720
	0.1 g \$ 1360
	0.25 g \$ 2700
	0.5 g \$ 5085
	1 g \$ 9725

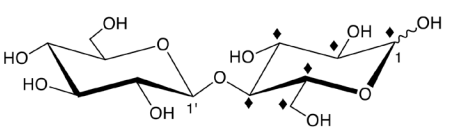
ASC-007	L-[6,6'- ² H ₂]ascorbic acid ([6,6'- ² H ₂]vitamin C)
MW 178.14	C ₆ ² H ₂ H ₆ O ₆ [50-81-7] ^{UN}
	0.25 g \$ 1445
	0.5 g \$ 2730
	1 g \$ 5160

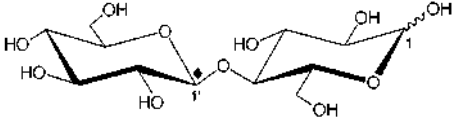
ASC-012	L-[5,6- ¹⁸ O ₂]ascorbic acid ([5,6- ¹⁸ O ₂]vitamin C)
MW 180.13	C ₆ H ₈ ¹⁸ O ₂ O ₄ [50-81-7] ^{UN}
	Request Price

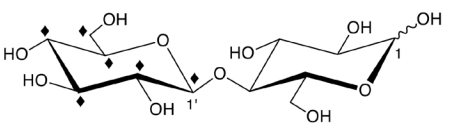
CEL-004	[1'- ¹³ C]cellobiosan (4-O-(β-D-[1- ¹³ C]glucopyranosyl)-1,6-anhydro-D-glucopyranose)
MW 325.27	¹³ CC ₁₁ H ₂₀ O ₁₀ [35405-71-1] ^{UN}

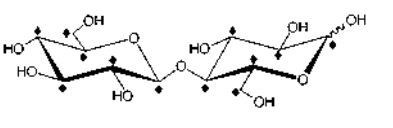
	Request Price
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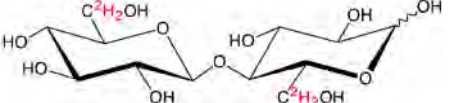
CEL-001	[1- ¹³ C]cellobiose (4-O-β-D-glucopyranosyl-D-[1- ¹³ C]glucose)
MW 343.29	¹³ CC ₁₁ H ₂₂ O ₁₁ [528-50-7] ^{UN}
	0.05 g \$ 460
	0.1 g \$ 720
	0.25 g \$ 1430
	0.5 g \$ 2450
	1 g \$ 4425

CEL-007	[1,2,3,4,5,6- ¹³ C ₆]cellobiose (β-D-glucopyranosyl-(1→4)-D-[UL- ¹³ C ₆]glucose)
MW 348.25	¹³ C ₆ C ₆ H ₂₂ O ₁₁ [528-50-7] ^{UN}
	Request Price

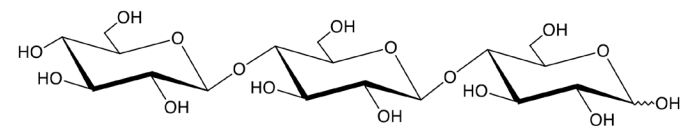
CEL-003	[1'- ¹³ C]cellobiose (4-O-β-D-[1- ¹³ C]glucopyranosyl-D-glucose)
MW 343.29	¹³ CC ₁₁ H ₂₂ O ₁₁ [528-50-7] ^{UN}
	0.05 g \$ 460
	0.1 g \$ 720
	0.25 g \$ 1430
	0.5 g \$ 2450
	1 g \$ 4425

CEL-008	[1',2',3',4',5',6'- ¹³ C ₆]cellobiose (β-D-[UL- ¹³ C ₆]glucopyranosyl-(1→4)-D-glucose)
MW 348.25	¹³ C ₆ C ₆ H ₂₂ O ₁₁ [528-50-7] ^{UN}
	0.025 g \$ 305
	0.05 g \$ 480
	0.1 g \$ 895
	0.25 g \$ 1780

CEL-002	[UL- ¹³ C ₁₂]cellobiose (4-O-β-D-[UL- ¹³ C ₆]glucopyranosyl-D-[UL- ¹³ C ₆]glucose)
MW 354.20	¹³ C ₁₂ H ₂₂ O ₁₁ [528-50-7] ^{UN}
	0.025 g \$ 380
	0.05 g \$ 600
	0.1 g \$ 1120
	0.25 g \$ 2225

CEL-005	[6,6',6''- ² H ₄]cellobiose (β-D-[6,6'- ² H ₂]glucopyranosyl-(1→4)-D-[6,6'- ² H ₂]glucose)
MW 346.32	C ₁₂ ² H ₄ H ₁₈ O ₁₁ [528-50-7] ^{UN}
	Request Price

CEL-006	cellotriose (4-O-β-D-glucopyranosyl-4-O-β-D-glucopyranosyl-D-glucose)
MW 504.44	C ₁₈ H ₃₂ O ₁₆ [33404-34-1]



Request Price

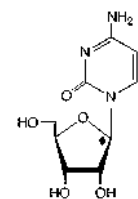
2-chloro-2-deoxy-D-glucose

see 2-deoxy-2-chloro-D-glucose page 39

2-chloro-2-deoxy-D-mannose

see 2-deoxy-2-chloro-D-mannose page 39

NUC-007	[1'-¹³C]cytidine
MW 244.21	¹³ CC ₈ H ₁₃ N ₃ O ₅ [201996-57-8]

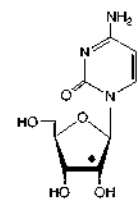


0.05 g \$ 345

0.1 g \$ 580

0.25 g \$ 1135

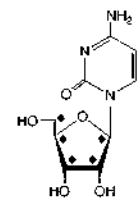
NUC-035	[2'-¹³C]cytidine
MW 244.21	¹³ CC ₈ H ₁₃ N ₃ O ₅ [478511-19-2]



0.1 g \$ 700

0.25 g \$ 1375

NUC-056	[1',2',3',4',5'-¹³C₅]cytidine
MW 248.18	¹³ C ₅ C ₄ H ₁₃ N ₃ O ₅ [65-46-3] ^{UN}

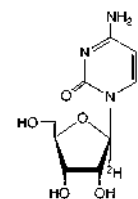


0.05 g \$ 485

0.1 g \$ 825

0.25 g \$ 1630

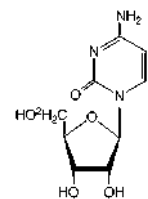
NUC-049	[1'-²H]cytidine
MW 244.22	C ₉ ² H ₁₂ N ₃ O ₅ [65-46-3] ^{UN}



0.1 g \$ 720

0.25 g \$ 1430

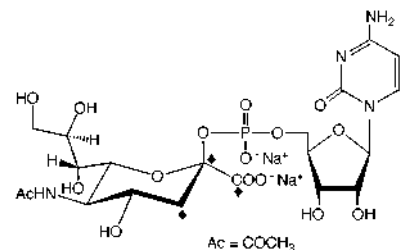
NUC-036	[5',5''-²H₂]cytidine
MW 245.23	C ₉ ² H ₂ H ₁₁ N ₃ O ₅ [478511-21-6]



0.1 g \$ 895

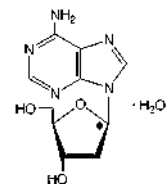
0.25 g \$ 1780

NTS-004	cytidine 5'-monophospho-β-N-acetyl-D-[1,2,3-¹³C₃]neuraminic acid, disodium salt (CMP-[1,2,3- ¹³ C ₃]NANA, disodium salt)
MW 661.39	¹³ C ₃ C ₁₇ H ₂₉ N ₄ Na ₂ O ₁₆ P [37399-47-6] ^{UN}



0.001 g \$ 990

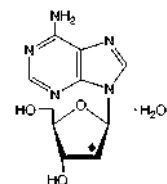
NUC-008	[1'-¹³C]2'-deoxyadenosine monohydrate
MW 270.26	¹³ CC ₉ H ₁₃ N ₅ O ₃ ·H ₂ O [446276-63-7]



0.05 g \$ 990

0.1 g \$ 1780

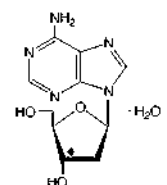
NUC-009	[2'-¹³C]2'-deoxyadenosine monohydrate
MW 270.26	¹³ CC ₉ H ₁₃ N ₅ O ₃ ·H ₂ O [16373-93-6] ^{UN}



0.05 g \$ 1075

0.1 g \$ 1905

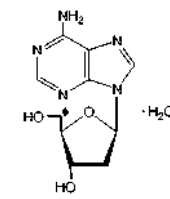
NUC-010	[3'-¹³C]2'-deoxyadenosine monohydrate
MW 270.26	¹³ CC ₉ H ₁₃ N ₅ O ₃ ·H ₂ O [16373-93-6] ^{UN}



0.05 g \$ 1780

0.1 g \$ 3250

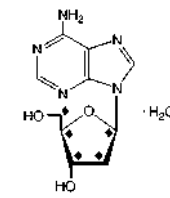
NUC-011	[5'-¹³C]2'-deoxyadenosine monohydrate
MW 270.26	¹³ CC ₉ H ₁₃ N ₅ O ₃ ·H ₂ O [478510-77-9]



0.05 g \$ 1485

0.1 g \$ 2700

NUC-012	[1',2',3',4',5'-¹³C₅]2'-deoxyadenosine monohydrate
MW 274.23	¹³ C ₅ C ₅ H ₁₃ N ₅ O ₃ ·H ₂ O [478510-79-1]



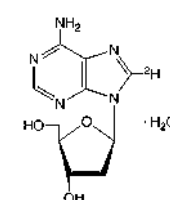
0.01 g \$ 460

0.025 g \$ 895

0.05 g \$ 1485

0.1 g \$ 2700

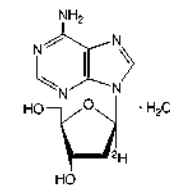
NUC-071	[8-²H]2'-deoxyadenosine monohydrate 97 atom-% ² H
MW 270.27	C ₁₀ ² H ₁₂ N ₅ O ₃ ·H ₂ O [16373-93-6] ^{UN}



0.05 g \$ 460

0.1 g \$ 750

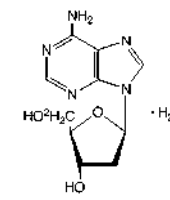
NUC-048	[1'-²H]2'-deoxyadenosine monohydrate
MW 270.27	C ₁₀ ² H ₁₂ N ₅ O ₃ ·H ₂ O [16373-93-6] ^{UN}



0.05 g \$ 1075

0.1 g \$ 1905

NUC-013	[5',5''-²H₂]2'-deoxyadenosine monohydrate
MW 271.28	C ₁₀ ² H ₂ H ₁₁ N ₅ O ₃ ·H ₂ O [478510-81-5]



0.01 g \$ 365

0.025 g \$ 720

0.05 g \$ 1190

0.1 g \$ 2145

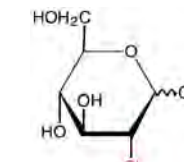
2-deoxy-D-arabino-hexose

see 2-deoxy-D-glucose page 41

3-deoxy-D-arabino-hexose

see 3-deoxy-D-mannose page 42

GLC-073	2-deoxy-2-chloro-D-glucose (2-chloro-2-deoxy-D-glucose)
MW 198.60	C ₆ H ₁₁ ClO ₅ [14685-79-1]



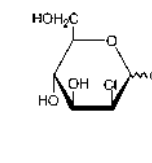
0.01 g \$ 235

0.025 g \$ 380

0.05 g \$ 600

0.1 g \$ 895

MAN-023	2-deoxy-2-chloro-D-mannose (2-chloro-2-deoxy-D-mannose)
MW 198.60	C ₆ H ₁₁ ClO ₅ [74950-97-3]



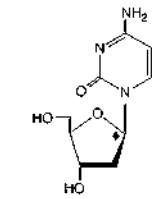
0.01 g \$ 140

0.025 g \$ 220

0.05 g \$ 350

0.1 g \$ 515

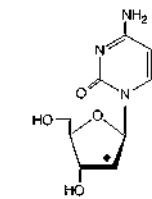
NUC-014	[1'-¹³C]2'-deoxycytidine monohydrate
MW 246.23	¹³ CC ₈ H ₁₃ N ₃ O ₄ ·H ₂ O [478510-83-7]



0.05 g \$ 990

0.1 g \$ 1780

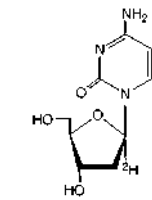
NUC-037	[2'-¹³C]2'-deoxycytidine monohydrate
MW 246.23	¹³ CC ₈ H ₁₃ N ₃ O ₄ ·H ₂ O [478511-23-8]



0.05 g \$ 1075

0.1 g \$ 1905

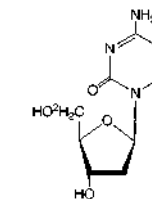
NUC-050	[1'-²H]2'-deoxycytidine monohydrate
MW 246.24	C ₉ ² H ₁₂ N ₃ O ₄ ·H ₂ O [951-77-9] ^{UN}



0.05 g \$ 1075

0.1 g \$ 1905

NUC-038	[5',5''-²H₂]2'-deoxycytidine monohydrate
MW 247.25	C ₉ ² H ₂ H ₁₁ N ₃ O ₄ ·H ₂ O [478511-25-0]



0.05 g \$ 1190

0.1 g \$ 2145

3-deoxy-D-erythro-hexos-2-ulose
see 3-deoxy-D-glucosone page 42

3-deoxy-3-fluoro-D-dulcitol
see 3-deoxy-3-fluoro-D-galactitol page 40

ALD-040 3-deoxy-3-fluoro-D-galactitol
(4-deoxy-4-fluoro-L-galactitol)

MW 184.16 C₆H₁₃FO₅ [864720-85-4]
Supplied as an aqueous solution.

	0.25 g	\$ 580
	0.5 g	\$ 990
	1 g	\$ 1705

GAL-004 3-deoxy-3-fluoro-D-galactose

MW 182.15 C₆H₁₁FO₅ [52904-86-6]
Supplied as an aqueous solution.

	0.25 g	\$ 365
	0.5 g	\$ 630
	1 g	\$ 1120

ALD-008 3-deoxy-3-fluoro-D-glucitol
(4-deoxy-4-fluoro-L-gulitol)

MW 184.16 C₆H₁₃FO₅ [34339-82-7]

	0.1 g	\$ 620
	0.25 g	\$ 1230

GLC-010 2-deoxy-2-fluoro-D-glucose
(fludeoxyglucose)

MW 182.15 C₆H₁₁FO₅ [29702-43-0]

	0.1 g	\$ 280
	0.25 g	\$ 545

GLC-011 2-deoxy-2-fluoro-D-[1-¹³C]glucose

MW 183.14 ¹³CC₅H₁₁FO₅ [478518-95-5]

	0.05 g	\$ 960
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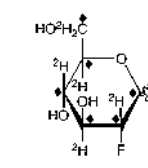
GLC-081 2-deoxy-2-fluoro-D-[UL-¹³C₆]glucose

MW 188.10 ¹³C₆H₁₁FO₅ [29702-43-0]UN

	0.01 g	\$ 350
	0.025 g	\$ 675
	0.05 g	\$ 1190
	0.1 g	\$ 2225

GLC-132 2-deoxy-2-fluoro-D-[UL-¹³C₆;UL-²H₇]glucose

MW 195.14 ¹³C₆²H₇H₄FO₅ [29702-43-0]UN

	0.01 g	\$ 410
	0.025 g	\$ 810
	0.05 g	\$ 1430
	0.1 g	\$ 2660

GLC-139 2-deoxy-2-fluoro-D-glucose-6-phosphate, dipotassium salt

MW 338.31 C₆H₁₀FK₂O₈P [441764-08-5]

	0.005 g	\$ 305
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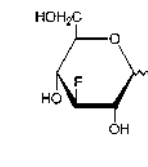
GLC-138 2-deoxy-2-fluoro-D-[UL-¹³C₆]glucose-6-phosphate, dipotassium salt

MW 344.26 ¹³C₆H₁₀FK₂O₈P [441764-08-5]UN

	Request Price
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GLC-012 3-deoxy-3-fluoro-D-glucose

MW 182.15 C₆H₁₁FO₅ [14049-03-7]

	0.1 g	\$ 400
	0.25 g	\$ 785
	0.5 g	\$ 1310
	1 g	\$ 2225

GLC-013 3-deoxy-3-fluoro-D-[1-¹³C]glucose

MW 183.14 ¹³CC₅H₁₁FO₅ [478518-97-7]

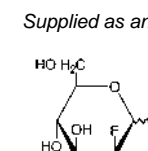
	0.05 g	\$ 1190
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4-deoxy-4-fluoro-L-gulitol

see 3-deoxy-3-fluoro-D-glucitol page 40

MAN-022 2-deoxy-2-fluoro-D-mannose

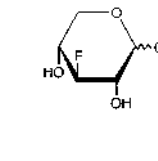
MW 182.15 C₆H₁₁FO₅ [38440-79-8]

	0.1 g	\$ 660
	0.25 g	\$ 1310

XYL-001 3-deoxy-3-fluoro-D-xylose

MW 152.12 C₅H₉FO₄ [14537-01-0]

Supplied as an aqueous solution.

	0.1 g	\$ 460
	0.25 g	\$ 895
	0.5 g	\$ 1630
	1 g	\$ 2955

6-deoxy-galactonic acid

see fuconic acid page 49

6-deoxy-galactose

see fucose page 49

GLC-055 2-deoxy-D-[1-¹³C]glucose

(2-deoxy-D-[1-¹³C]arabino-hexose)

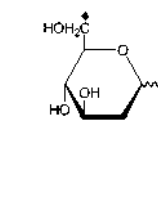
MW 165.15 ¹³CC₅H₁₂O₅ [201612-55-7]

	0.25 g	\$ 1015
	0.5 g	\$ 1725
	1 g	\$ 3110

GLC-014 2-deoxy-D-[6-¹³C]glucose

(2-deoxy-D-[6-¹³C]arabino-hexose)

MW 165.15 ¹³CC₅H₁₂O₅ [119897-50-6]

	0.05 g	\$ 330
	0.1 g	\$ 580
	0.25 g	\$ 1135
	0.5 g	\$ 1960
	1 g	\$ 3545

GLC-107 2-deoxy-D-[UL-¹³C₆]glucose

(2-deoxy-D-[UL-¹³C₆]arabino-hexose)

MW 170.11 ¹³C₆H₁₂O₅ [154-17-6]UN

	0.05 g	\$ 305
	0.1 g	\$ 545
	0.25 g	\$ 1075
	0.5 g	\$ 1840
	1 g	\$ 3340

GLC-062 2-deoxy-D-[1-²H]glucose

(2-deoxy-D-[1-²H]arabino-hexose)

MW 165.16 C₆²H₁₁O₅ [154-17-6]UN

	0.05 g	\$ 250
	0.1 g	\$ 400
	0.25 g	\$ 785
	0.5 g	\$ 1310
	1 g	\$ 2225

GLC-133 3-deoxy-D-glucose

(3-deoxy-D-ribo-hexose)

MW 164.16 C₆H₁₂O₅ [2490-91-7]

	0.1 g	\$ 225
	0.25 g	\$ 445
	0.5 g	\$ 750
	1 g	\$ 1350

GLC-141 3-deoxy-D-[UL-¹³C₆]glucose

(3-deoxy-D-[UL-¹³C₆]ribo-hexose)

MW 170.11 ¹³C₆H₁₂O₅ [2490-91-7]UN

	0.05 g	\$ 460
	0.1 g	\$ 825
	0.25 g	\$ 1630

GLC-108 2-deoxy-D-[UL-¹³C₆]glucose-6-phosphate (free acid)

MW 250.09 ¹³C₆H₁₃O₈P [3573-50-0]UN

	Request Price
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GLC-145 2-deoxy-D-glucose-6-phosphate, disodium salt

MW 288.10 C₆H₁₁O₈Na₂P

	Request Price
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GLC-146 2-deoxy-D-[6-¹³C]glucose-6-phosphate disodium salt

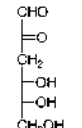
MW 289.09 ¹³CC₅H₁₁O₈Na₂P

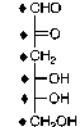
	0.005 g	\$ 685
	0.01 g	\$ 1145

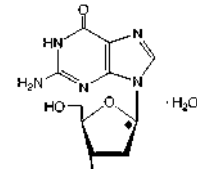
GLC-150 2-deoxy-D-[UL-¹³C₆]glucose-6-phosphate disodium salt

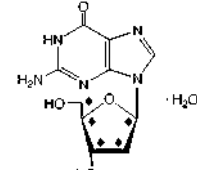
MW 294.05 ¹³C₆H₁₁O₈Na₂P

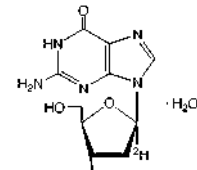
	0.01 g	\$ 990
	0.025 g	\$ 1780
	0.05 g	\$ 3250
	0.1 g	\$ 5900

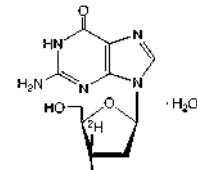
GLC-131	3-deoxy-D-glucosone (3-deoxy-D-erythro-hexos-2-ulose)
MW 162.14	C ₆ H ₁₀ O ₅ [4084-27-9]
	Request Price

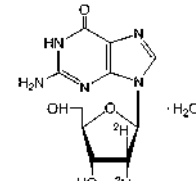
GLC-142	3-deoxy-D-[UL-¹³C₆]glucosone (3-deoxy-D-[UL- ¹³ C ₆]erythro-hexos-2-ulose)
MW 168.09	¹³ C ₆ H ₁₀ O ₅
	Request Price

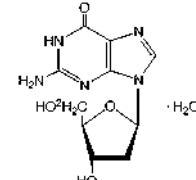
NUC-039	[1'-¹³C]2'-deoxyguanosine monohydrate
MW 286.25	¹³ CC ₉ H ₁₃ N ₅ O ₄ ·H ₂ O [478511-26-1]
	0.05 g \$ 2225 0.1 g \$ 4130

NUC-062	[1',2',3',4',5'-¹³C₅]2'-deoxyguanosine monohydrate
MW 290.22	¹³ C ₅ C ₅ H ₁₃ N ₅ O ₄ ·H ₂ O [312693-72-4] ^{UN}
	0.01 g \$ 825 0.025 g \$ 1705 0.05 g \$ 3250

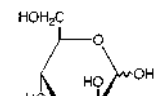
NUC-052	[1'-²H]2'-deoxyguanosine monohydrate
MW 286.26	C ₁₀ ² HH ₁₂ N ₅ O ₄ ·H ₂ O [312693-72-4] ^{UN}
	0.05 g \$ 2225 0.1 g \$ 4130

NUC-061	[3'-²H]2'-deoxyguanosine monohydrate
MW 286.26	C ₁₀ ² HH ₁₂ N ₅ O ₄ ·H ₂ O [312693-72-4] ^{UN} 95 atom-% ² H
	Request Price

NUC-064	[2',2''-²H₂]2'-deoxyguanosine monohydrate
MW 287.27	C ₁₀ ² H ₂ H ₁₁ N ₅ O ₄ ·H ₂ O [312693-72-4] ^{UN} 93 atom-% ² H
	0.01 g \$ 1780 0.025 g \$ 3545

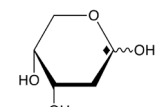
NUC-040	[5',5''-²H₂]2'-deoxyguanosine monohydrate
MW 287.27	C ₁₀ ² H ₂ H ₁₁ N ₅ O ₄ ·H ₂ O [478511-28-3]
	0.05 g \$ 2225 0.1 g \$ 4130

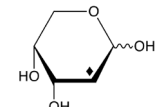
6-deoxy-L-mannonic acid	see rhammonic acid page 10
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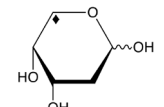
MAN-049	3-deoxy-D-mannose (3-deoxy-D-arabino-hexose)
MW 164.16	C ₆ H ₁₂ O ₅ [5517-48-6]
	Request Price

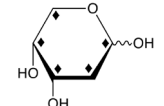
6-deoxy-L-mannose	see rhamnose page 100
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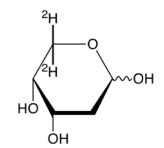
3-deoxy-D-ribo-hexose	see 3-deoxy-D-glucose page 41
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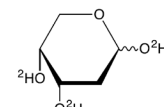
RIB-001	2-deoxy-D-[1-¹³C]ribose (2-deoxy-D-[1- ¹³ C]erythro-pentose)
MW 135.12	¹³ CC ₄ H ₁₀ O ₄ [478511-57-8]
	0.25 g \$ 895 0.5 g \$ 1630 1 g \$ 2955

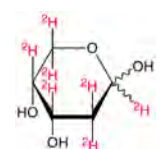
RIB-002	2-deoxy-D-[2-¹³C]ribose (2-deoxy-D-[2- ¹³ C]erythro-pentose)
MW 135.12	¹³ CC ₄ H ₁₀ O ₄ [478511-60-3]
	0.25 g \$ 895 0.5 g \$ 1630 1 g \$ 2955

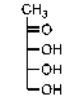
RIB-003	2-deoxy-D-[5-¹³C]ribose (2-deoxy-D-[5- ¹³ C]erythro-pentose)
MW 135.12	¹³ CC ₄ H ₁₀ O ₄ [159838-86-5]
	0.25 g \$ 2020 0.5 g \$ 3190 1 g \$ 5600

RIB-004	2-deoxy-D-[UL-¹³C₅]ribose (2-deoxy-D-[UL- ¹³ C ₅]erythro-pentose)
MW 139.09	¹³ C ₅ H ₁₀ O ₄ [266998-43-0]
	0.05 g \$ 525 0.1 g \$ 940 0.25 g \$ 1865 0.5 g \$ 2955 1 g \$ 5160

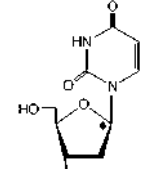
RIB-005	2-deoxy-D-[5,5'-²H₂]ribose (2-deoxy-D-[5,5'- ² H ₂]erythro-pentose)
MW 136.14	C ₅ ² H ₂ H ₈ O ₄ [478511-68-1]
	0.05 g \$ 305 0.1 g \$ 485 0.25 g \$ 895 0.5 g \$ 1630 1 g \$ 2955

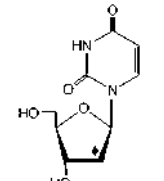
RIB-043	2-deoxy-D-[tri-O-²H]ribose (2-deoxy-D-[tri-O- ² H]erythro-pentose)
MW 137.15	C ₅ ² H ₃ H ₇ O ₄ [533-67-5] ^{UN}
	0.1 g \$ 305

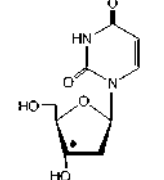
RIB-044	2-deoxy-D-[1,2,2',3,4,5,5'-²H₇]ribose (2-deoxy-D-[1,2,2',3,4,5,5'- ² H ₇]erythro-pentose)
MW 141.17	C ₅ ² H ₇ H ₃ O ₄ [533-67-5] ^{UN}
	Request Price

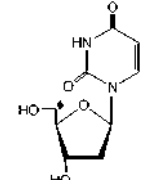
RBU-003	1-deoxy-D-ribulose
MW 134.13	C ₅ H ₁₀ O ₄ Supplied as an aqueous solution.
	0.25 g \$ 525 0.5 g \$ 870 1 g \$ 1485

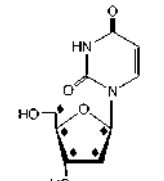
6-deoxy-tagatose	see fuculose page 50
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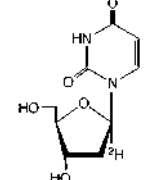
NUC-015	[1'-¹³C]2'-deoxyuridine
MW 229.20	¹³ CC ₈ H ₁₂ N ₂ O ₅ [478510-85-9]
	0.05 g \$ 1120 0.1 g \$ 2045

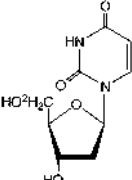
NUC-016	[2'-¹³C]2'-deoxyuridine
MW 229.20	¹³ CC ₈ H ₁₂ N ₂ O ₅ [478510-87-1]
	0.05 g \$ 1230 0.1 g \$ 2250

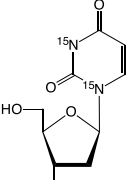
NUC-017	[3'-¹³C]2'-deoxyuridine
MW 229.20	¹³ CC ₈ H ₁₂ N ₂ O ₅ [478510-89-3]
	0.05 g \$ 2225 0.1 g \$ 4130

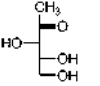
NUC-018	[5'-¹³C]2'-deoxyuridine
MW 229.20	¹³ CC ₈ H ₁₂ N ₂ O ₅ [478510-91-7]
	0.05 g \$ 1850 0.1 g \$ 3395

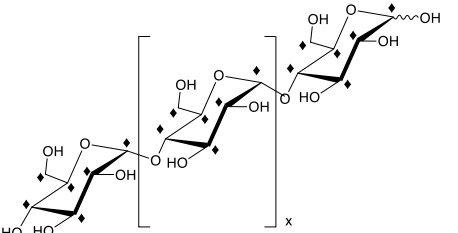
NUC-019	[1',2',3',4',5'-¹³C₅]2'-deoxyuridine
MW 233.17	¹³ C ₅ C ₄ H ₁₂ N ₂ O ₅ [478510-94-0]
	0.05 g \$ 2225 0.1 g \$ 4130

NUC-054	[1'-²H]2'-deoxyuridine
MW 229.21	C ₉ ² HH ₁₁ N ₂ O ₅ [951-78-0] ^{UN}
	0.05 g \$ 1455 0.1 g \$ 2660

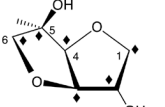
NUC-041	[5',5''-²H₂]2'-deoxyuridine			
MW 230.22	C ₉ H ₂ H ₁₀ N ₂ O ₅	[478511-30-7]		
			0.05 g \$ 1850	
			0.1 g \$ 3395	

NUC-075	[1,3-¹⁵N₂]-2'-deoxyuridine (2'-deoxyuridine[1,3- ¹⁵ N ₂])			
MW 230.20	C ₉ H ₁₂ ¹⁵ N ₂ O ₅	[951-78-0] ^{UN}		
			Request Price	

XYU-004	1-deoxy-D-xylulose			
MW 134.13	C ₅ H ₁₀ O ₄	[60299-43-6]		
<i>Supplied as an aqueous solution.</i>				
			0.05 g \$ 165	
			0.1 g \$ 275	
			0.25 g \$ 525	
			0.5 g \$ 870	
			1 g \$ 1485	

DEX-001	[UL-¹³C]dextrin			
	(¹³ C ₆ H ₁₀ O ₅) _x	[9004-53-9] ^{UN}		
<i>MW is variable</i>				
			Request Price	

diacetylchitobiose				
<i>see N-acetylglucosamine oligomers page 22</i>				

ALD-081	1,4:3,6-dianhydro-D-[UL-¹³C₆]glucitol (1,4:3,6-dianhydro-D-[UL- ¹³ C ₆]sorbitol)			
MW 152.09	¹³ C ₆ H ₁₀ O ₄	[652-67-5] ^{UN}		
			Request Price	

dianhydro-D-sorbitol				
<i>see dianhydro D-glucitol page 44</i>				

2,3-dihydroxypropanal				
<i>see glyceraldehyde page 69</i>				


dipotassium arabinarate				
<i>see arabinaric acid page 33</i>				

disodium ribarate				
<i>see ribaric acid page 100</i>				

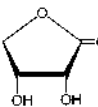
disodium xylarate				
<i>see xylaric acid page 113</i>				


dulcite				
<i>see galactitol page 50</i>				

dulcitol				
<i>see galactitol page 50</i>				

ALD-061	[UL-¹³C₄]erythritol			
MW 126.09	¹³ C ₄ H ₁₀ O ₄	[149-32-6] ^{UN}		
			0.05 g \$ 600	
			0.1 g \$ 1120	
			0.25 g \$ 2225	

erythronic acid lactone				
<i>see erythrono-lactone page 44</i>				

ERY-008	D-erythrono-1,4-lactone (D-erythronic acid γ-lactone)			
MW 118.09	C ₄ H ₆ O ₄	[15667-21-7]		
			1 g \$ 165	

ERY-009	L-erythrono-1,4-lactone (L-erythronic acid γ-lactone)			
MW 118.09	C ₄ H ₆ O ₄	[23732-40-3]		
			1 g \$ 750	

erythro-pent-2-ulose				
<i>see ribulose page 10</i>				

ERY-001	D-erythrose			
MW 120.11	C ₄ H ₈ O ₄	[583-50-6]		
<i>Supplied as an aqueous solution.</i>				

			0.5 g \$ 195	
			1 g \$ 305	

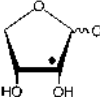
ERY-007	L-erythrose			
MW 120.11	C ₄ H ₈ O ₄	[533-49-3]		
<i>Supplied as an aqueous solution.</i>				

			0.25 g \$ 195	
			0.5 g \$ 280	
			1 g \$ 380	

ERY-002	D-[1-¹³C]erythrose			
MW 121.10	¹³ CC ₃ H ₈ O ₄	[70849-19-3]		
<i>Supplied as an aqueous solution.</i>				

			0.25 g \$ 235	
			0.5 g \$ 380	
			1 g \$ 675	

ERY-003	D-[2-¹³C]erythrose			
MW 121.10	¹³ CC ₃ H ₈ O ₄	[83434-88-2]		
<i>Supplied as an aqueous solution.</i>				

			0.25 g \$ 645	
			0.5 g \$ 1090	
			1 g \$ 1850	

ERY-004	D-[3-¹³C]erythrose			
MW 121.10	¹³ CC ₃ H ₈ O ₄	[583-50-6] ^{UN}		
<i>Supplied as an aqueous solution.</i>				

			0.25 g \$ 1905	
			0.5 g \$ 3015	
			1 g \$ 5015	

ERY-005	D-[4-¹³C]erythrose			
MW 121.10	¹³ CC ₃ H ₈ O ₄	[90913-08-9]		
<i>Supplied as an aqueous solution.</i>				

			0.25 g \$ 590	
			0.5 g \$ 970	
			1 g \$ 1630	

ERY-006	D-[UL-¹³C₄]erythrose			
MW 124.08	¹³ C ₄ H ₈ O ₄	[583-50-6] ^{UN}		
<i>Supplied as an aqueous solution.</i>				

			0.25 g \$ 590	
			0.5 g \$ 970	
			1 g \$ 1630	

ERY-011	D-[1-²H]erythrose			
MW 121.11	C ₄ ² HH ₇ O ₄	[583-50-6] ^{UN}		
<i>Supplied as an aqueous solution.</i>				

			Request Price	
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ERY-012	D-[4,4'-²H₂]erythrose			
MW 122.12	C ₄ ² H ₂ H ₆ O ₄	[583-50-6] ^{UN}		
<i>Supplied as an aqueous solution.</i>				

			Request Price	
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ERU-001	D-erythrulose (D-glycero-tetrolulose)			
MW 120.10	C ₄ H ₈ O ₄	[496-55-9]		
<i>Supplied as an aqueous solution.</i>				

			0.1 g \$ 380	
			0.25 g \$ 750	

ERU-002	L-erythrulose (L-glycero-tetrolulose)			
MW 120.10	C ₄ H ₈ O ₄	[533-50-6]		
<i>Supplied as an aqueous solution.</i>				

			0.1 g \$ 165	
			0.25 g \$ 305	

fludeoxyglucose				
<i>see 2-deoxy-2-fluoro-D-glucose page 40</i>				

fluoro-deoxy sugars				
<i>see deoxy-fluoro sugars beginning on page 40</i>				

β-D-fructofuranosyl α-D-glucopyranoside				
<i>see sucrose page 10</i>				

FRU-031	L-fructose			
MW 180.16	C ₆ H ₁₂ O ₆	[7776-48-9]		

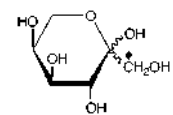
			0.5 g \$ 235	
			1 g \$ 380	

FRU-029	D-[UL-¹²C₆]fructose (¹³C depleted)			
MW 180.09	¹² C ₆ H ₁₂ O ₆	[57-48-7] ^{UN}		
<i>99.9 atom-% ¹²C</i>				

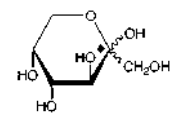
			Request Price	
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FRU-001	D-[1-¹³C]fructose			
MW 181.15	¹³ CC ₅ H ₁₂ O ₆	[108311-21-3]		

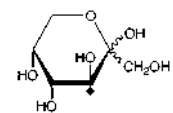
			0.25 g \$ 180	
			0.5 g \$ 280	
			1 g \$ 485	

FRU-002 L-[1-¹³C]fructoseMW 181.15 ¹³CC₅H₁₂O₆ [7776-48-9]^{UN}

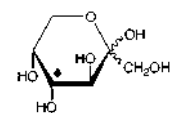
0.25 g	\$ 485
0.5 g	\$ 710
1 g	\$ 1190

FRU-003 D-[2-¹³C]fructoseMW 181.15 ¹³CC₅H₁₂O₆ [117013-19-1]

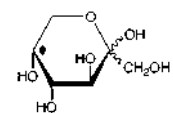
0.25 g	\$ 250
0.5 g	\$ 400
1 g	\$ 675

FRU-004 D-[3-¹³C]fructoseMW 181.15 ¹³CC₅H₁₂O₆ [249928-59-4]

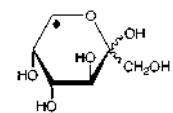
0.25 g	\$ 700
0.5 g	\$ 1230
1 g	\$ 2225

FRU-005 D-[4-¹³C]fructoseMW 181.15 ¹³CC₅H₁₂O₆ [84270-09-7]

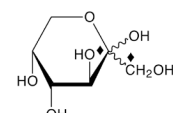
0.25 g	\$ 750
0.5 g	\$ 1320
1 g	\$ 2365

FRU-006 D-[5-¹³C]fructoseMW 181.15 ¹³CC₅H₁₂O₆ [635325-97-2]

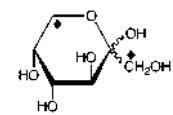
0.25 g	\$ 795
0.5 g	\$ 1395
1 g	\$ 2510

FRU-007 D-[6-¹³C]fructoseMW 181.15 ¹³CC₅H₁₂O₆ [287100-63-4]

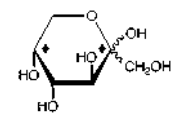
0.1 g	\$ 280
0.25 g	\$ 485
0.5 g	\$ 840
1 g	\$ 1485

FRU-037 D-[1,2-¹³C₂]fructoseMW 182.14 ¹³C₂C₄H₁₂O₆ [57-48-7]^{UN}

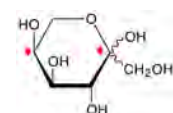
0.1 g	\$ 280
0.25 g	\$ 485
0.5 g	\$ 840
1 g	\$ 1485

FRU-008 D-[1,6-¹³C₂]fructoseMW 182.14 ¹³C₂C₄H₁₂O₆ [287100-71-4]

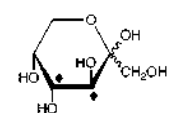
0.1 g	\$ 460
0.25 g	\$ 795
0.5 g	\$ 1375
1 g	\$ 2365

FRU-009 D-[2,5-¹³C₂]fructoseMW 182.14 ¹³C₂C₄H₁₂O₆ [141258-84-6]

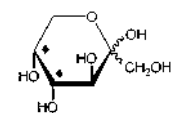
0.05 g	\$ 365
0.1 g	\$ 600
0.25 g	\$ 1105
0.5 g	\$ 1960
1 g	\$ 3545

FRU-047 L[2,5-¹³C₂]fructoseMW 182.14 ¹³C₂C₄H₁₂O₆ [7776-48-9]^{UN}

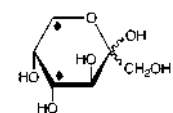
Request Price

FRU-038 D-[3,4-¹³C₂]fructoseMW 182.14 ¹³C₂C₄H₁₂O₆ [57-48-7]^{UN}

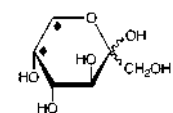
0.1 g \$ 675

FRU-034 D-[4,5-¹³C₂]fructoseMW 182.14 ¹³C₂C₄H₁₂O₆ [57-48-7]^{UN}

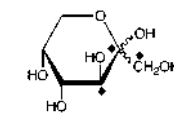
0.1 g	\$ 580
0.25 g	\$ 1135

FRU-021 D-[4,6-¹³C₂]fructoseMW 182.14 ¹³C₂C₄H₁₂O₆ [57-48-7]^{UN}

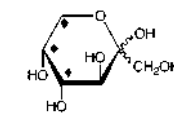
0.1 g	\$ 1430
0.25 g	\$ 3395

FRU-022 D-[5,6-¹³C₂]fructoseMW 182.14 ¹³C₂C₄H₁₂O₆ [57-48-7]^{UN}

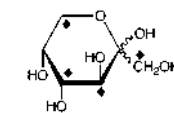
0.25 g	\$ 1105
0.5 g	\$ 1960
1 g	\$ 3545

FRU-027 D-[1,2,3-¹³C₃]fructoseMW 183.13 ¹³C₃C₃H₁₂O₆ [57-48-7]^{UN}

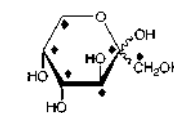
0.25 g	\$ 850
0.5 g	\$ 1455
1 g	\$ 2510

FRU-023 D-[4,5,6-¹³C₃]fructoseMW 183.13 ¹³C₃C₃H₁₂O₆ [57-48-7]^{UN}

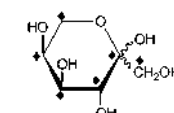
0.1 g	\$ 580
0.25 g	\$ 1135

FRU-010 D-[1,3,4,6-¹³C₄]fructoseMW 184.13 ¹³C₄C₂H₁₂O₆ [57-48-7]^{UN}

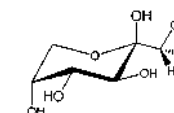
1 g \$ 4275

FRU-011 D-[UL-¹³C₆]fructoseMW 186.11 ¹³C₆H₁₂O₆ [201595-65-5]

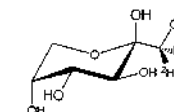
0.25 g	\$ 250
0.5 g	\$ 400
1 g	\$ 675

FRU-040 L-[UL-¹³C₆]fructoseMW 186.11 ¹³C₆H₁₂O₆ [7776-48-9]^{UN}

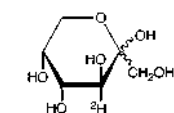
Request Price

FRU-030 D-[1-pro-R-²H]fructoseMW 181.17 C₆²H₁₁O₆ [57-48-7]^{UN}

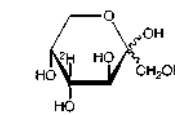
0.25 g	\$ 305
0.5 g	\$ 545
1 g	\$ 895

FRU-012 D-[1-pro-S-²H]fructoseMW 181.17 C₆²H₁₁O₆ [57-48-7]^{UN}

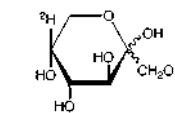
0.25 g	\$ 115
0.5 g	\$ 180
1 g	\$ 295

FRU-013 D-[3-²H]fructoseMW 181.17 C₆²H₁₁O₆ [53685-24-8]

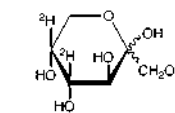
0.25 g	\$ 795
0.5 g	\$ 1395
1 g	\$ 2510

FRU-014 D-[4-²H]fructoseMW 181.17 C₆²H₁₁O₆ [57-48-7]^{UN}

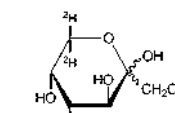
0.25 g	\$ 1015
0.5 g	\$ 1725
1 g	\$ 3110

FRU-015 D-[5-²H]fructoseMW 181.17 C₆²H₁₁O₆ [57-48-7]^{UN}

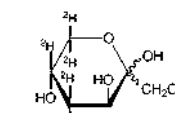
0.25 g	\$ 365
0.5 g	\$ 660
1 g	\$ 1190

FRU-024 D-[4,5-²H₂]fructoseMW 182.17 C₆²H₂H₁₀O₆ [478518-48-8]

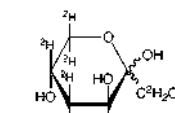
0.25 g	\$ 810
0.5 g	\$ 1335
1 g	\$ 2225

FRU-016 D-[6,6'-²H₂]fructoseMW 182.17 C₆²H₂H₁₀O₆ [285979-75-1]

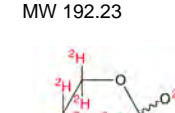
0.25 g	\$ 210
0.5 g	\$ 355
1 g	\$ 600

FRU-025 D-[4,5,6,6'-²H₄]fructoseMW 184.18 C₆²H₄H₈O₆ [478518-49-9]

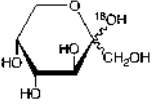
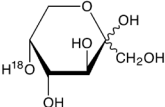
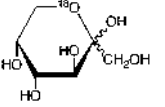
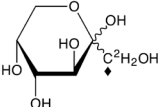
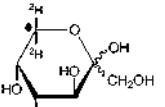
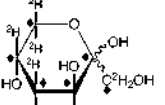
0.25 g	\$ 1015
0.5 g	\$ 1725
1 g	\$ 3110

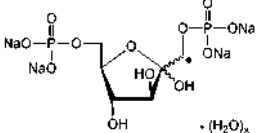
FRU-026 D-[UL-²H₇]fructoseMW 187.20 C₆²H₇H₅O₆ [57-48-7]^{UN}

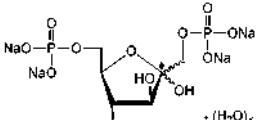
0.05 g	\$ 165
0.1 g	\$ 220
0.25 g	\$ 430
0.5 g	\$ 785
1 g	\$ 1430

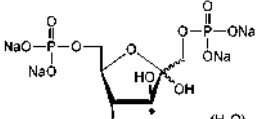
FRU-046 D-[UL-²H₁₂]fructoseMW 192.23 C₆²H₁₂O₆ [57-48-7]^{UN}

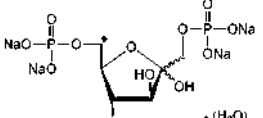
Request Price

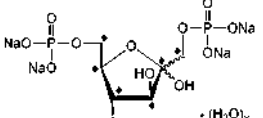
FRU-042	D-[2-¹⁸O]fructose		
MW 182.16	C ₆ H ₁₂ ¹⁸ O ₅	[57-48-7] ^{UN}	
>90 atom-% ¹⁸ O			Request Price
			
FRU-045	D-[5-¹⁸O]fructose		
MW 182.16	C ₆ H ₁₂ ¹⁸ O ₅	[57-48-7] ^{UN}	
>90 atom-% ¹⁸ O			0.1 g \$ 895
			
FRU-043	D-[6-¹⁸O]fructose		
MW 182.16	C ₆ H ₁₂ ¹⁸ O ₅	[57-48-7] ^{UN}	
>90 atom-% ¹⁸ O			0.05 g \$ 750
			
FRU-044	D-[1-¹³C;1,1'-²H₂]fructose		
MW 183.16	¹³ CC ₅ ² H ₂ H ₁₀ O ₆	[57-48-7] ^{UN}	
			0.1 g \$ 1485
			
FRU-039	D-[6-¹³C;6,6'-²H₂]fructose		
MW 183.16	¹³ CC ₅ ² H ₂ H ₁₀ O ₆	[57-48-7] ^{UN}	
			0.05 g \$ 220
			0.1 g \$ 345
			0.25 g \$ 645
			0.5 g \$ 1075
			1 g \$ 1780
			
FRU-041	D-[UL-¹³C₆;UL-²H₇]fructose (D-[UL- ¹³ C ₆ ;1,1',3,4,5,6,6'- ² H ₇]fructose)		
MW 193.15	¹³ C ₆ ² H ₇ H ₅ O ₆	[57-48-7] ^{UN}	
99 atom-% ¹³ C; 97 atom-% ² H			0.1 g \$ 235
			0.25 g \$ 460
			0.5 g \$ 840
			1 g \$ 1575
			

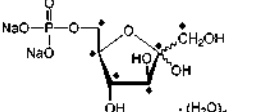
FRU-017	D-[1-¹³C]fructose 1,6-bisphosphate, sodium salt		
MW 429.03	¹³ CC ₅ H ₁₀ Na ₄ O ₁₂ P ₂ ·(H ₂ O) _x	[23784-19-2] ^{UN}	
MW is on anhydrous basis.			
			0.05 g \$ 195
			0.1 g \$ 280
			0.25 g \$ 545

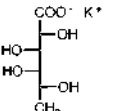
FRU-018	D-[2-¹³C]fructose 1,6-bisphosphate, sodium salt		
MW 429.03	¹³ CC ₅ H ₁₀ Na ₄ O ₁₂ P ₂ ·(H ₂ O) _x	[23784-19-2] ^{UN}	
MW is on anhydrous basis.			
			0.05 g \$ 235
			0.1 g \$ 345
			0.25 g \$ 660

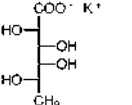
FRU-019	D-[3-¹³C]fructose 1,6-bisphosphate, sodium salt		
MW 429.03	¹³ CC ₅ H ₁₀ Na ₄ O ₁₂ P ₂ ·(H ₂ O) _x	[23784-19-2] ^{UN}	
MW is on anhydrous basis.			
			Request Price

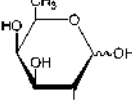
FRU-020	D-[6-¹³C]fructose 1,6-bisphosphate, sodium salt		
MW 429.03	¹³ CC ₅ H ₁₀ Na ₄ O ₁₂ P ₂ ·(H ₂ O) _x	[23784-19-2] ^{UN}	
MW is on anhydrous basis.			
			0.05 g \$ 250
			0.1 g \$ 365
			0.25 g \$ 720

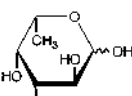
FRU-028	D-[UL-¹³C₆]fructose 1,6-bisphosphate, sodium salt		
MW 433.99	¹³ C ₆ H ₁₀ Na ₄ O ₁₂ P ₂ ·(H ₂ O) _x	[23784-19-2] ^{UN}	
MW is on anhydrous basis.			
			0.05 g \$ 380
			0.1 g \$ 640
			0.25 g \$ 1260

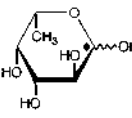
FRU-035	D-[UL-¹³C₆]fructose 6-phosphate, disodium salt, hydrate		
MW 310.05	¹³ C ₆ H ₁₁ Na ₂ O ₉ P·(H ₂ O) _x	[26177-86-6] ^{UN}	
MW is on anhydrous basis.			
			0.05 g \$ 305
			0.1 g \$ 525
			0.25 g \$ 895

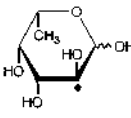
FUC-009	D-fuconic acid, potassium salt (Potassium D-fuconate)		
MW 218.25	C ₆ H ₁₁ KO ₆		Request Price
			

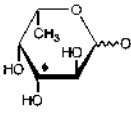
FUC-010	L-fuconic acid, potassium salt (Potassium L-fuconate)		
MW 218.25	C ₆ H ₁₁ KO ₆		Request Price
			

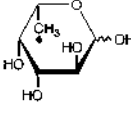
FUC-007	D-fucose (6-deoxy-D-galactose)		
MW 164.16	C ₆ H ₁₂ O ₅	[3615-37-0]	
			1 g \$ 165

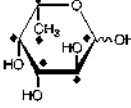
FUC-008	L-fucose (6-deoxy-L-galactose)		
MW 164.16	C ₆ H ₁₂ O ₅	[2438-80-4]	
			1 g \$ 100

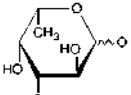
FUC-001	L-[1-¹³C]fucose (6-deoxy-L-[1- ¹³ C]galactose)		
MW 165.15	¹³ CC ₅ H ₁₂ O ₅	[83379-38-8]	
			0.25 g \$ 525
			0.5 g \$ 930
			1 g \$ 1630

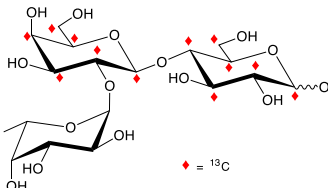
FUC-002	L-[2-¹³C]fucose (6-deoxy-L-[2- ¹³ C]galactose)		
MW 165.15	¹³ CC ₅ H ₁₂ O ₅	[83379-37-7]	
			0.05 g \$ 330
			0.1 g \$ 580
			0.25 g \$ 1135
			0.5 g \$ 1960
			1 g \$ 3545

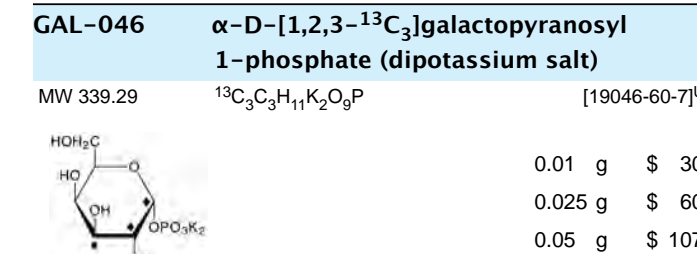
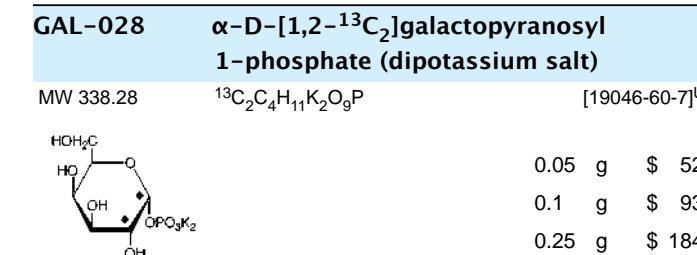
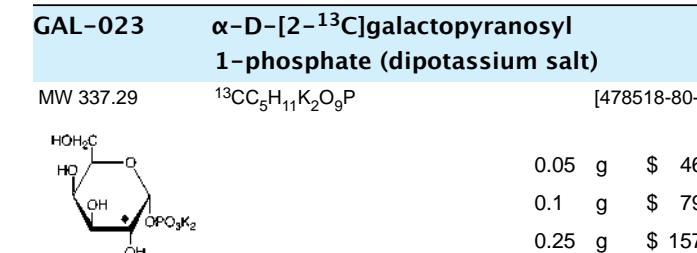
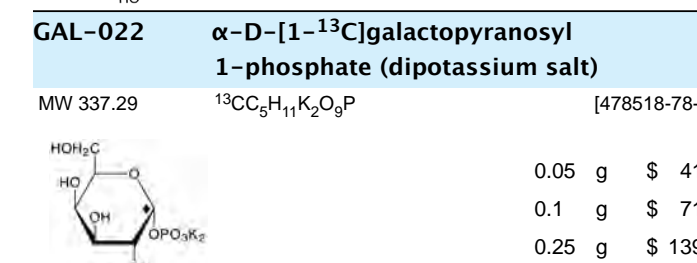
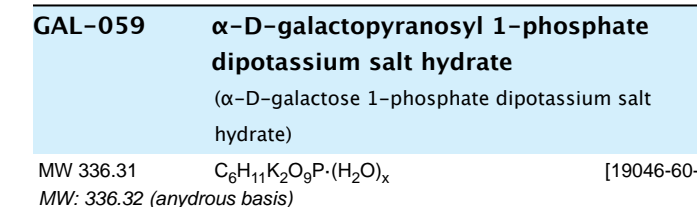
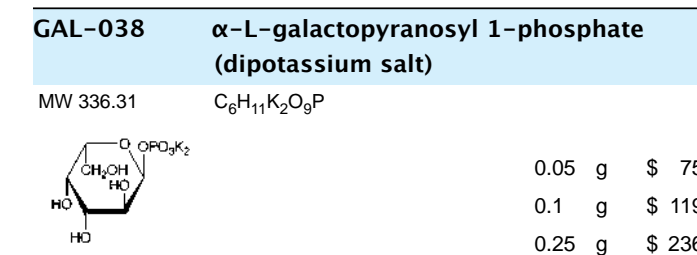
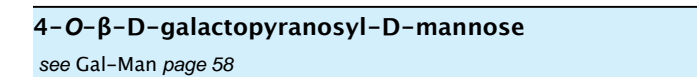
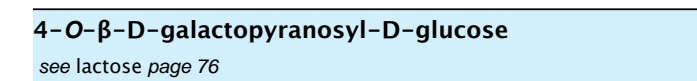
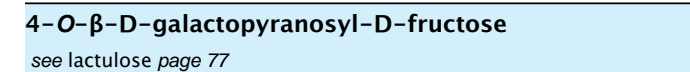
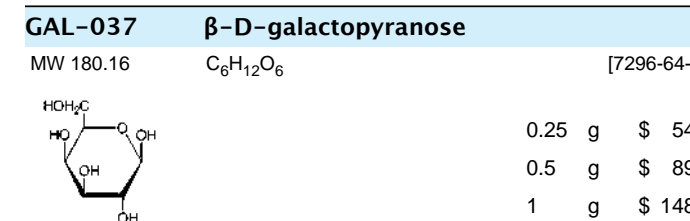
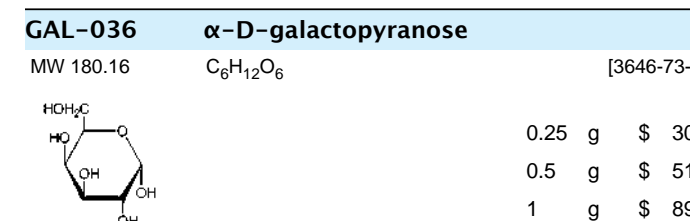
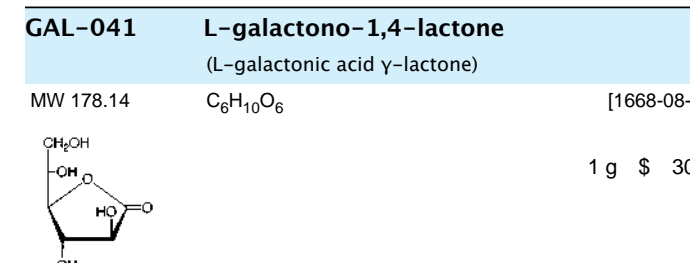
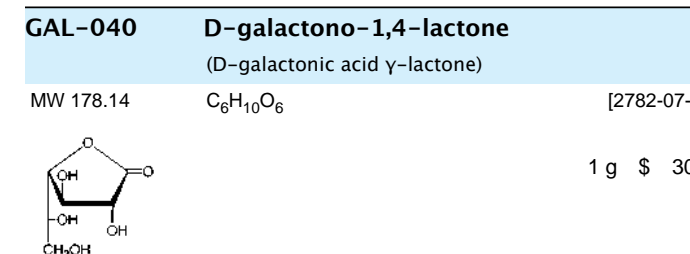
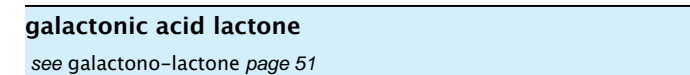
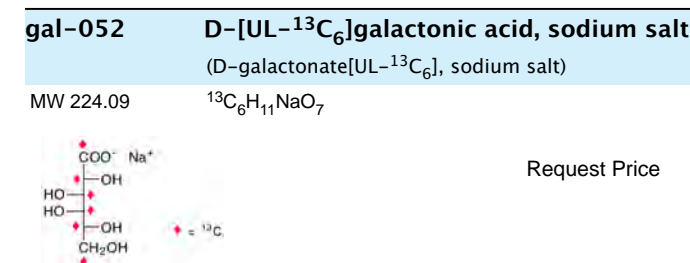
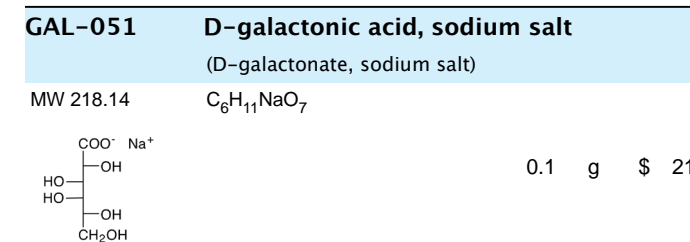
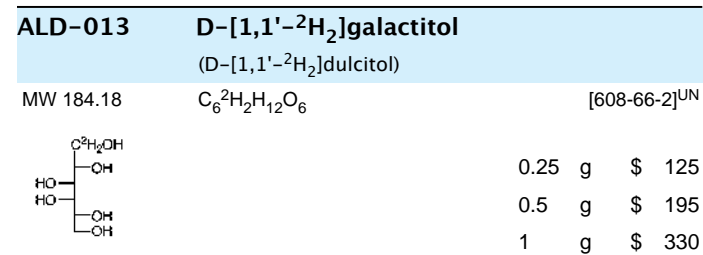
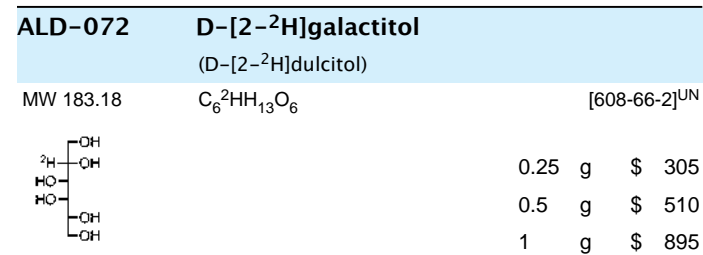
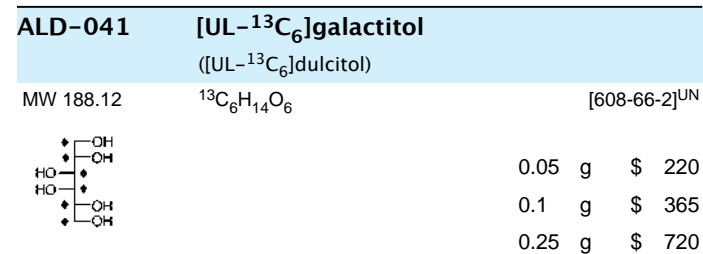
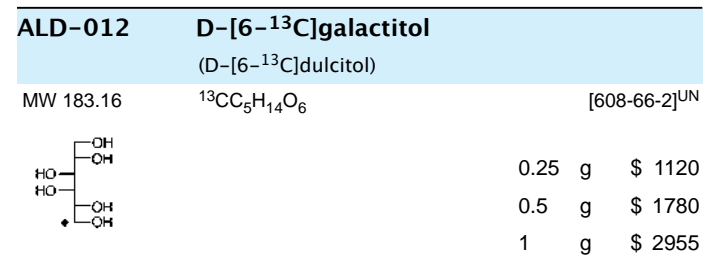
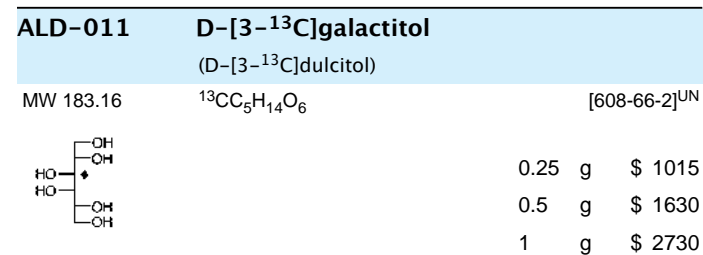
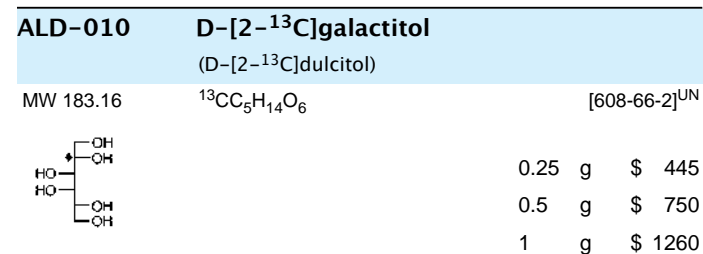
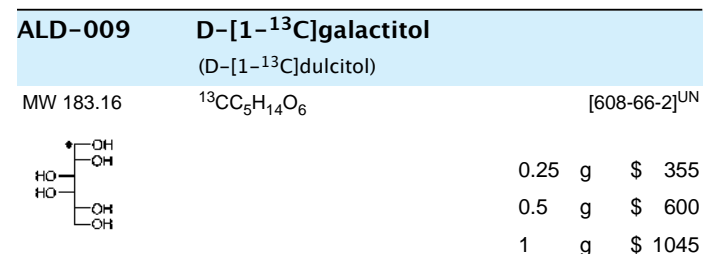
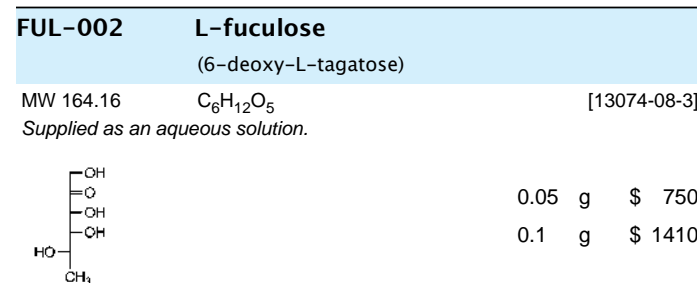
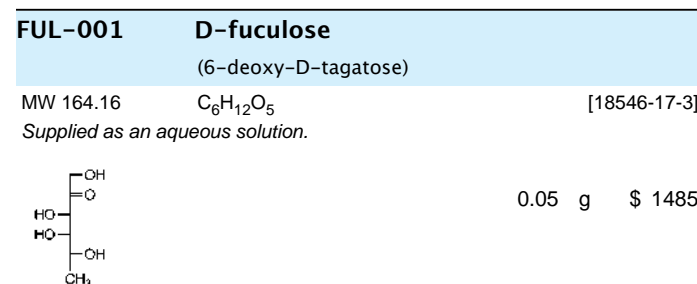
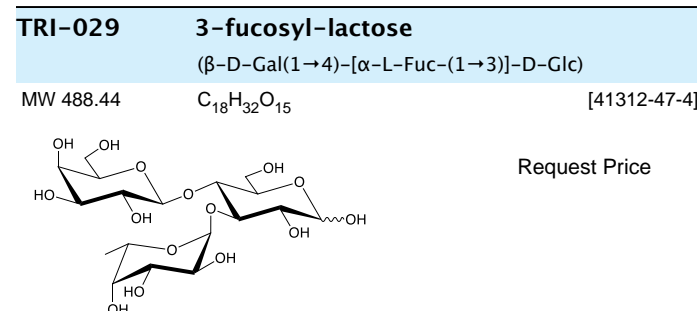
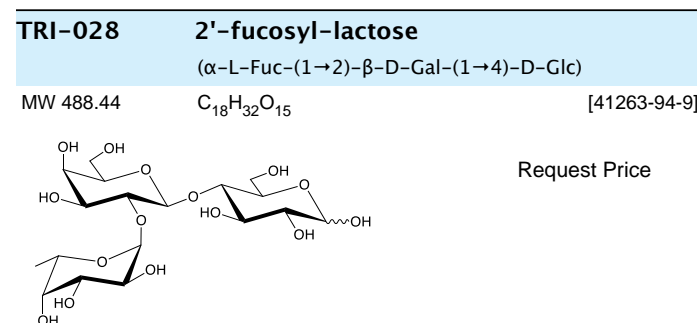
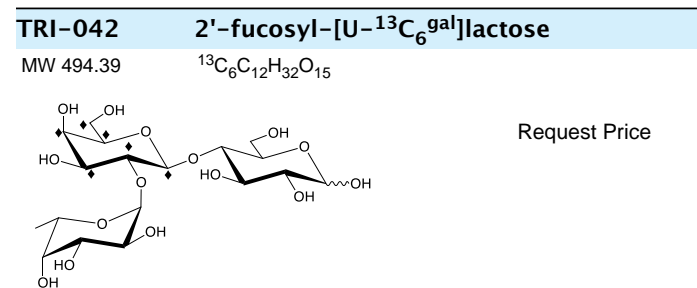
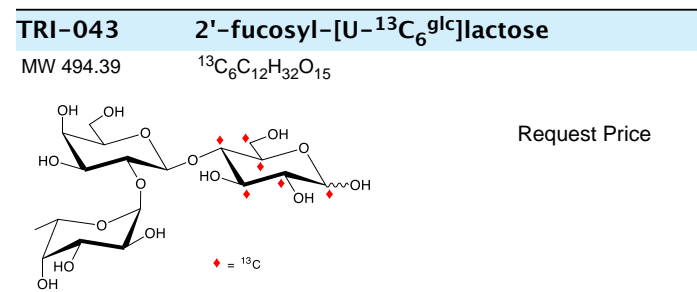
FUC-003	L-[3-¹³C]fucose (6-deoxy-L-[3- ¹³ C]galactose)		
MW 165.15	¹³ CC ₅ H ₁₂ O ₅	[478518-50-2]	
			0.25 g \$ 2365
			0.5 g \$ 4500
			1 g \$ 8540

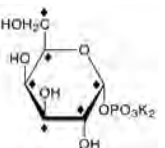
FUC-004	L-[6-¹³C]fucose (6-deoxy-L-[6- ¹³ C]galactose)		
MW 165.15	¹³ CC ₅ H ₁₂ O ₅	[478518-51-3]	
			0.01 g \$ 235
			0.025 g \$ 380
			0.05 g \$ 600

FUC-005	L-[UL-¹³C₆]fucose (6-deoxy-L-[UL- ¹³ C ₆]galactose)		
MW 170.11	¹³ C ₆ H ₁₂ O ₅	[478518-52-4]	
			0.01 g \$ 1010
			0.025 g \$ 2005
			0.05 g \$ 3750

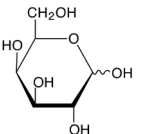
FUC-011	L-fucose-1-phosphate (disodium salt) (6-deoxy-L-galactose-1-phosphate disodium salt)		
MW 288.10	C ₆ H ₁₁ Na ₂ O ₈ P	[374726-44-0]	
			0.005 g \$ 305
			0.01 g \$ 525

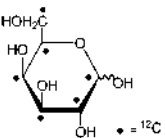
TRI-044	2'-fucosyl-[[U-¹³C₆gal; U-¹³C₆glc]] lactose		
MW 500.34	¹³ C ₁₂ H ₂₂ O ₁₅		
			Request Price

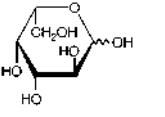


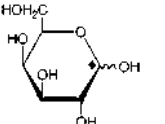
GAL-039		α-D-[UL-¹³C₆]galactopyranosyl 1-phosphate (dipotassium salt)	
MW 342.27	¹³ C ₆ H ₁₁ K ₂ O ₉ P	[19046-60-7]UN	
		0.05 g	\$ 675
		0.1 g	\$ 1190
		0.25 g	\$ 2365

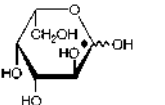
galactosamine
see 2-amino-2-deoxy-D-galactose page 31

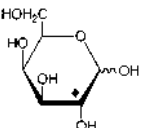
GAL-112		D-galactose	
MW 180.16	C ₆ H ₁₂ O ₆	[59-23-4]	
		Request Price	

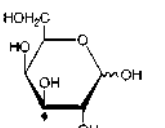
GAL-030		D-[UL-¹²C₆]galactose (¹³C depleted)	
MW 180.09	¹² C ₆ H ₁₂ O ₆	[59-23-4]UN	
99.9 atom-% ¹² C			
		Request Price	

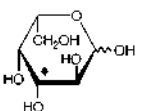
GAL-027		L-galactose	
MW 180.16	C ₆ H ₁₂ O ₆	[15572-79-9]	
		0.25 g	\$ 150
		0.5 g	\$ 210
		1 g	\$ 350

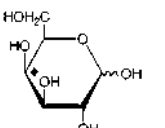
GAL-005		D-[1-¹³C]galactose	
MW 181.15	¹³ CC ₅ H ₁₂ O ₆	[70849-30-8]	
		0.25 g	\$ 150
		0.5 g	\$ 205
		1 g	\$ 345

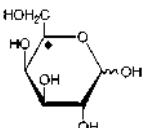
GAL-034		L-[1-¹³C]galactose	
MW 181.15	¹³ CC ₅ H ₁₂ O ₆	[15572-79-9]UN	
		Request Price	

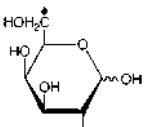
GAL-006		D-[2-¹³C]galactose	
MW 181.15	¹³ CC ₅ H ₁₂ O ₆	[314062-47-0]	
		0.1 g	\$ 195
		0.25 g	\$ 345
		0.5 g	\$ 570
		1 g	\$ 930

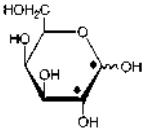
GAL-007		D-[3-¹³C]galactose	
MW 181.15	¹³ CC ₅ H ₁₂ O ₆	[478518-56-8]	
		0.1 g	\$ 365
		0.25 g	\$ 710
		0.5 g	\$ 1240
		1 g	\$ 2225

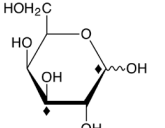
GAL-042		L-[3-¹³C]galactose	
MW 181.15	¹³ CC ₅ H ₁₂ O ₆	[15572-79-9]UN	
		0.1 g	\$ 460

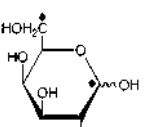
GAL-008		D-[4-¹³C]galactose	
MW 181.15	¹³ CC ₅ H ₁₂ O ₆	[478518-58-0]	
		0.1 g	\$ 720
		0.25 g	\$ 1445
		0.5 g	\$ 2730
		1 g	\$ 5160

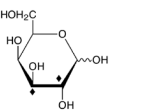
GAL-009		D-[5-¹³C]galactose	
MW 181.15	¹³ CC ₅ H ₁₂ O ₆	[478518-60-4]	
		0.1 g	\$ 750
		0.25 g	\$ 1515
		0.5 g	\$ 2885
		1 g	\$ 5450

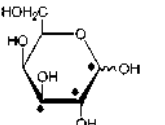
GAL-010		D-[6-¹³C]galactose	
MW 181.15	¹³ CC ₅ H ₁₂ O ₆	[478518-62-6]	
		0.1 g	\$ 380
		0.25 g	\$ 750
		0.5 g	\$ 1335
		1 g	\$ 2450

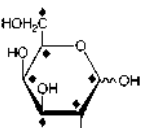
GAL-011		D-[1,2-¹³C₂]galactose	
MW 182.14	¹³ C ₂ C ₄ H ₁₂ O ₆	[478518-63-7]	
		0.1 g	\$ 235
		0.25 g	\$ 445
		0.5 g	\$ 750
		1 g	\$ 1335

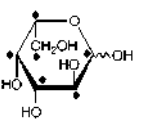
GAL-049		D-[1,3-¹³C₂]galactose	
MW 182.14	¹³ C ₂ C ₄ H ₁₂ O ₆	[59-23-4]UN	
		0.1 g	\$ 685

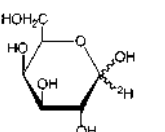
GAL-012		D-[1,6-¹³C₂]galactose	
MW 182.14	¹³ C ₂ C ₄ H ₁₂ O ₆	[478518-64-8]	
		0.25 g	\$ 880
		0.5 g	\$ 1595
		1 g	\$ 2885

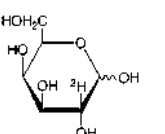
GAL-053		D-[2,3-¹³C₂]galactose	
MW 182.14	¹³ C ₂ C ₄ H ₁₂ O ₆	[59-23-4]UN	
		Request Price	

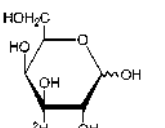
GAL-045		D-[1,2,3-¹³C₃]galactose	
MW 183.13	¹³ C ₃ C ₃ H ₁₂ O ₆	[59-23-4]UN	
		0.1 g	\$ 430
		0.25 g	\$ 880

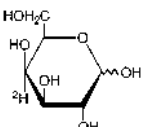
GAL-013		D-[UL-¹³C₆]galactose	
MW 186.11	¹³ C ₆ H ₁₂ O ₆	[74134-89-7]	
		0.05 g	\$ 165
		0.1 g	\$ 250
		0.25 g	\$ 485
		0.5 g	\$ 840
		1 g	\$ 1485

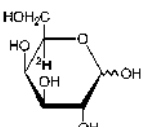
GAL-014		L-[UL-¹³C₆]galactose	
MW 186.11	¹³ C ₆ H ₁₂ O ₆	[195334-28-2]	
		0.05 g	\$ 675
		0.1 g	\$ 1260
		0.25 g	\$ 2485

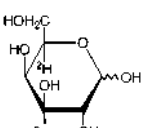
GAL-015		D-[1-²H]galactose	
MW 181.16	C ₆ ² H ₁₁ O ₆	[64267-73-8]	
		0.25 g	\$ 205
		0.5 g	\$ 305
		1 g	\$ 445

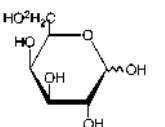
GAL-016		D-[2-²H]galactose	
MW 181.16	C ₆ ² H ₁₁ O ₆	[64429-86-3]	
		0.25 g	\$ 220
		0.5 g	\$ 330
		1 g	\$ 460

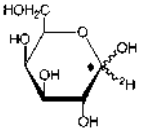
GAL-017		D-[3-²H]galactose	
MW 181.16	C ₆ ² H ₁₁ O ₆	[478518-70-6]	
		0.1 g	\$ 675
		0.25 g	\$ 1310
		0.5 g	\$ 2485
		1 g	\$ 4715

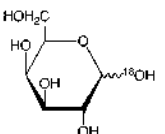
GAL-018		D-[4-²H]galactose	
MW 181.16	C ₆ ² H ₁₁ O ₆	[478518-71-7]	
		0.25 g	\$ 1630
		0.5 g	\$ 2955
		1 g	\$ 5375

GAL-024		D-[5-²H]galactose	
MW 181.16	C ₆ ² H ₁₁ O ₆	[59-23-4]UN	
		0.25 g	\$ 1310
		0.5 g	\$ 2485
		1 g	\$ 4715

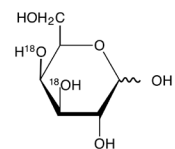
GAL-031		D-[3,5-²H₂]galactose	
MW 182.17	C ₆ ² H ₂ H ₁₀ O ₆	[59-23-4]UN	
		0.01 g	\$ 235
		0.025 g	\$ 400
		0.05 g	\$ 720
		0.1 g	\$ 1310

GAL-019		D-[6,6'-²H₂]galactose	
MW 182.17	C ₆ ² H ₂ H ₁₀ O ₆	[35669-34-2]	
		0.05 g	\$ 250
		0.1 g	\$ 380
		0.25 g	\$ 720
		0.5 g	\$ 1300
		1 g	\$ 2365

GAL-033		D-[1-¹³C;1-²H]galactose	
MW 182.16	¹³ CC ₅ ² H ₁₁ O ₆	[59-23-4]UN	
		0.1 g	\$ 380
		0.25 g	\$ 675
		0.5 g	\$ 1190
		1 g	\$ 2225

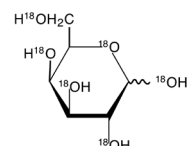
GAL-043		D-[1-¹⁸O]galactose	
MW 182.16	C ₆ H ₁₂ ¹⁸ OO ₅	[59-23-4]UN	
>90 atom-% ¹⁸ O			
		Request Price	

GAL-057 **D-[3,4-¹⁸O₂]galactose**
 MW 184.16 C₆H₁₂¹⁸O₄ [59-23-4]^{UN}
 >90 atom-% ¹⁸O



Request Price

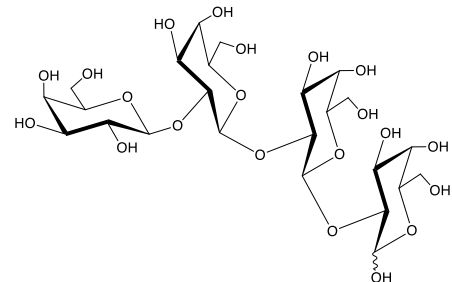
GAL-058 **D-[UL-¹⁸O₆]galactose**
 MW 192.16 C₆H₁₂¹⁸O₆ [59-23-4]^{UN}
 >90 atom-% ¹⁸O



Request Price

TET-048 **Galβ1,2Galβ1,2Galβ1,2Gal**
 (Gal-β-1-2-Gal-β-1-2-Gal-β-1-2-Gal)

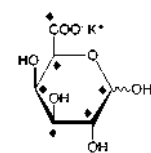
MW 666.58 C₂₄H₄₂O₂₁



0.001 g \$ 430

GAL-048 **D-[UL-¹³C₆]galacturonic acid, potassium salt**
 (Potassium D-[UL-¹³C₆]galacturonate)

MW 238.18 ¹³C₆H₉KO₇



0.005 g \$ 200

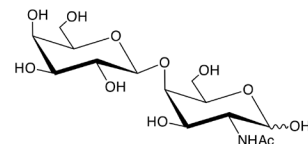
0.01 g \$ 265

0.025 g \$ 515

0.05 g \$ 965

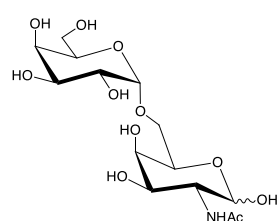
0.1 g \$ 1780

DIS-047 **Gal-β-1-4-GalNAc**
 MW 383.35 C₁₄H₂₅NO₁₁



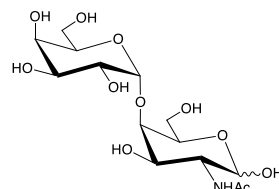
Request Price

DIS-040 **α-D-Galp-(1,6)-D-GalpNAc**
 (Gal-α-1-6-GalNAc)
 MW 383.35 C₁₄H₂₅NO₁₁ [209977-51-5]^{UN}



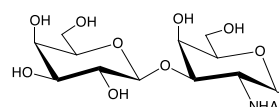
Request Price

DIS-039 **α-D-Galp-(1,4)-D-GalpNAc**
 (Gal-α-1-4-GalNAc)
 MW 383.35 C₁₄H₂₅NO₁₁



Request Price

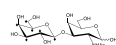
DIS-015 **β-D-Gal-(1,3)-D-GalNAc**
 (T-antigen)
 MW 383.35 C₁₄H₂₅NO₁₁ [20972-29-6]



0.001 g \$ 150

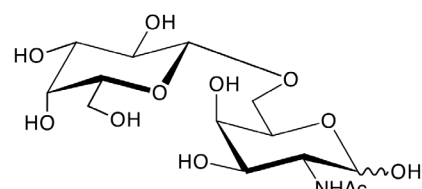
0.002 g \$ 225

DIS-016 **β-D-[UL-¹³C₆]Galp-(1,3)-D-GalpNAc**
 (T-[¹³C₆^{gal}]antigen)
 MW 389.30 ¹³C₆C₈H₂₅NO₁₁ [20972-29-6]^{UN}



0.001 g \$ 480

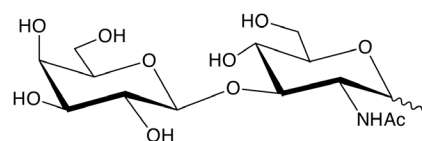
DIS-021 **Galβ1,6GalNAc**
 (2-acetamido-2-deoxy-6-O-(β-D-galactopyranosyl)-D-galactopyranose)
 MW 383.35 C₁₄H₂₅NO₁₁ [209977-51-5]



0.001 g \$ 150

0.002 g \$ 225

DIS-096 **Galβ1-3GlcNAc**
 (Lacto-N-biose)
 MW 383.35 C₁₄H₂₅NO₁₁ [50787-09-2]

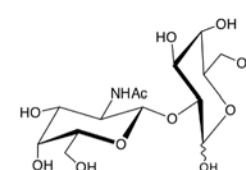


0.005 g \$ 225

0.025 g \$ 660

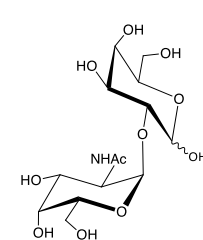
0.05 g \$ 945

DIS-046 **β-D-GalpNAc-(1,2)-D-Galp**
 (GalNAc-β-1-2-Gal)
 MW 383.35 C₁₄H₂₅NO₁₁



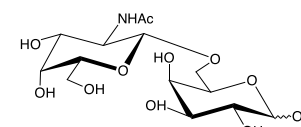
Request Price

DIS-045 **α-D-GalpNAc-(1,2)-D-Galp**
 (GalNAc-α-1-2-Gal)
 MW 383.35 C₁₄H₂₅NO₁₁ [503551-82-4]



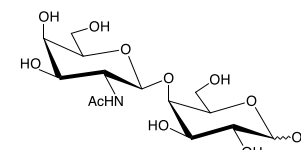
Request Price

DIS-038 **β-D-GalpNAc-(1,6)-D-Galp**
 (GalNAc-β-1-6-Gal)
 MW 383.35 C₁₄H₂₅NO₁₁



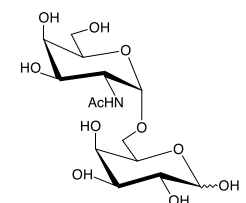
Request Price

DIS-037 **β-D-GalpNAc-(1,4)-D-Galp**
 (GalNAc-β-1-4-Gal)
 MW 383.35 C₁₄H₂₅NO₁₁



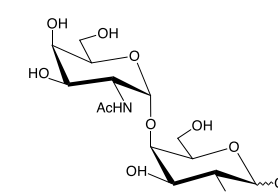
Request Price

DIS-036 **α-D-GalpNAc-(1,6)-D-Galp**
 (GalNAc-α-1-6-Gal)
 MW 383.35 C₁₄H₂₅NO₁₁



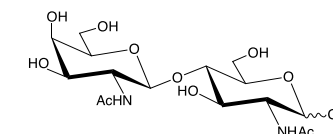
Request Price

DIS-035 **α-D-GalpNAc-(1,4)-D-Galp**
 (GalNAc-α-1-4-Gal)
 MW 383.35 C₁₄H₂₅NO₁₁



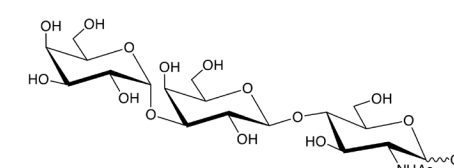
Request Price

DIS-043 **β-D-GalpNAc-(1,4)-D-GlcpNAc**
 (GalNAc-β-1-4-GlcNAc)
 MW 424.40 C₁₆H₂₈N₂O₁₁



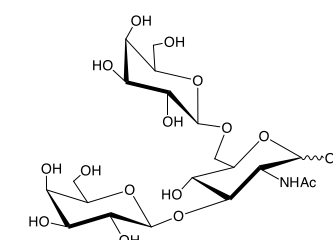
Request Price

TRI-025 **Galα1,3Galβ1,4GlcNAc**
 (Galα1→3Galβ1→4GlcNAc)
 MW 545.49 C₂₀H₃₅NO₁₆



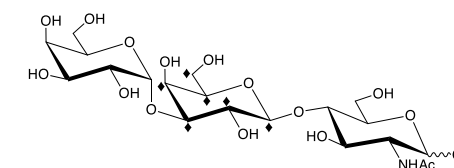
Request Price

TRI-034 **Galβ1,3(Galβ1,6)GlcNAc**
 (Gal-β-1-3-(Gal-β-1-6)-GlcNAc)
 MW 545.49 C₂₀H₃₅NO₁₆

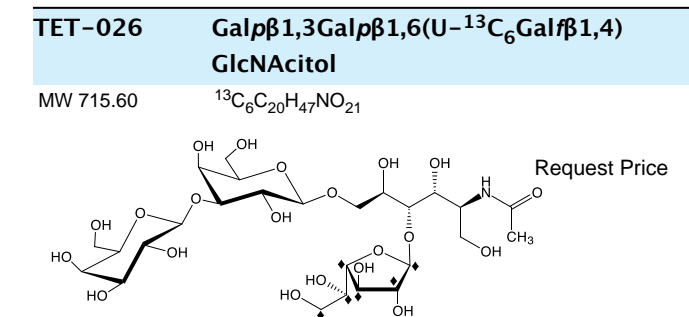
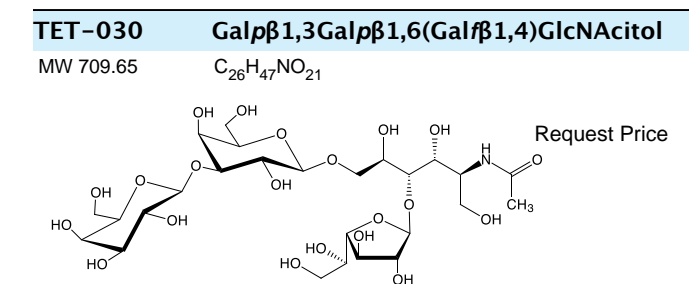
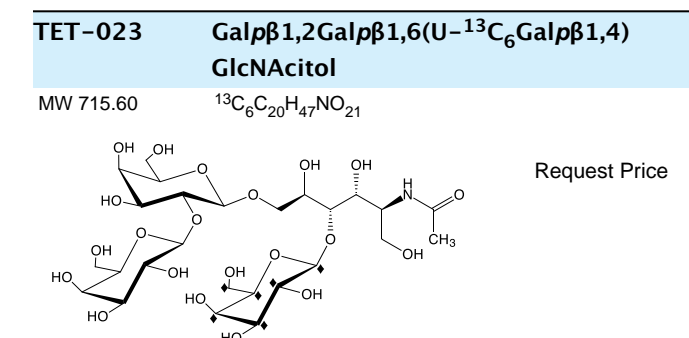
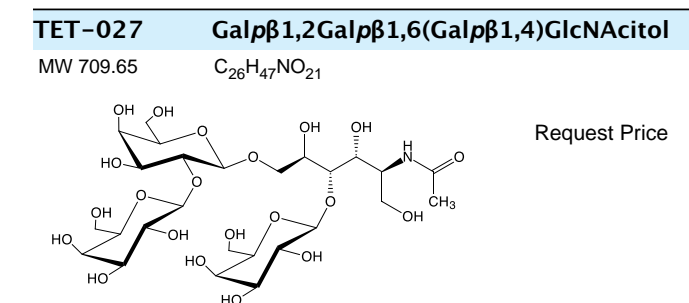
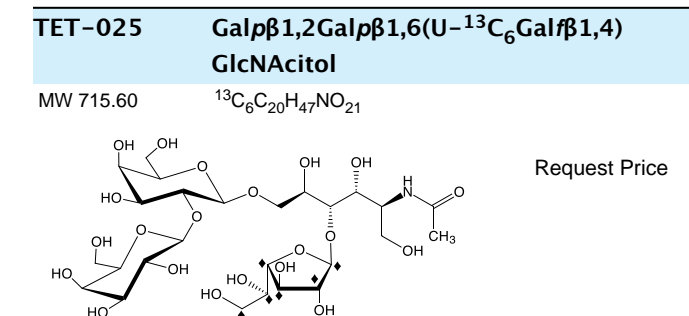
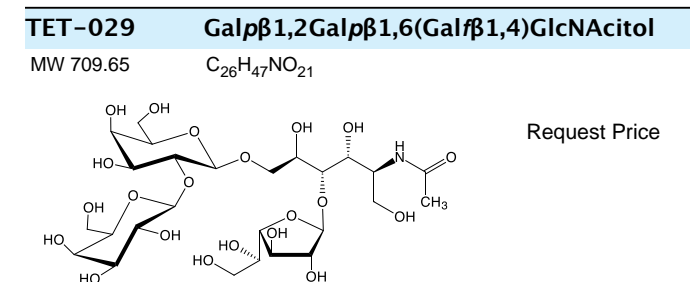
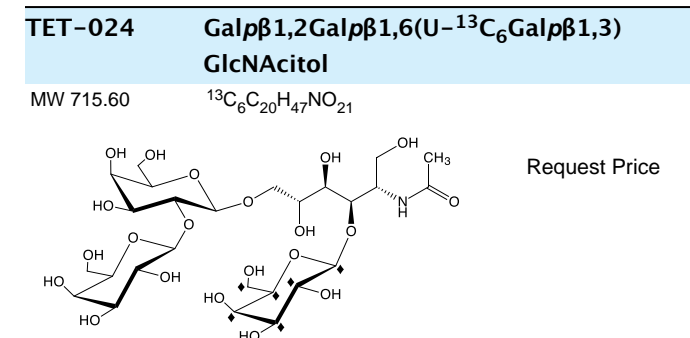
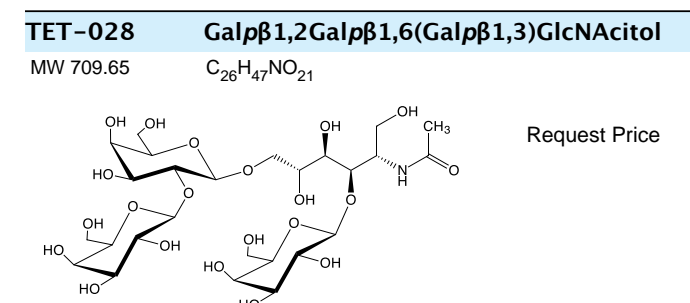
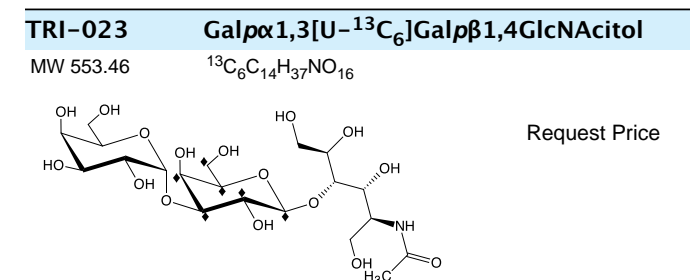
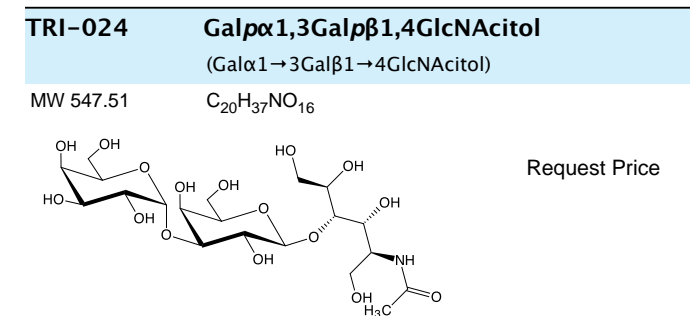
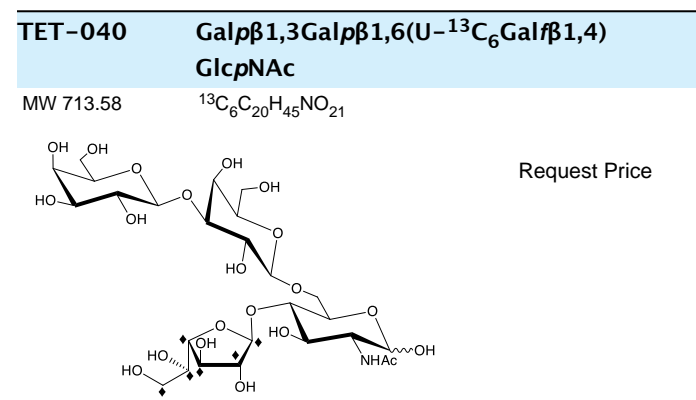
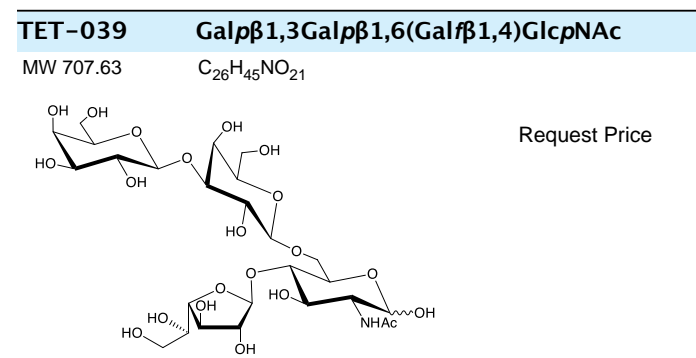
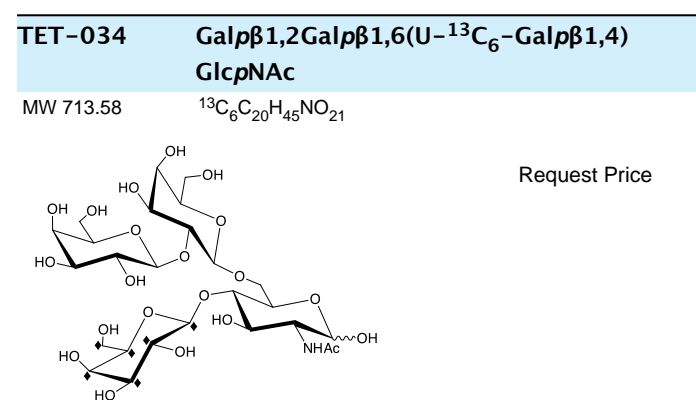
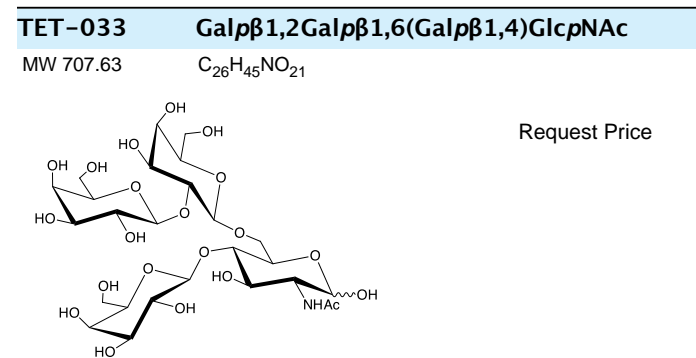
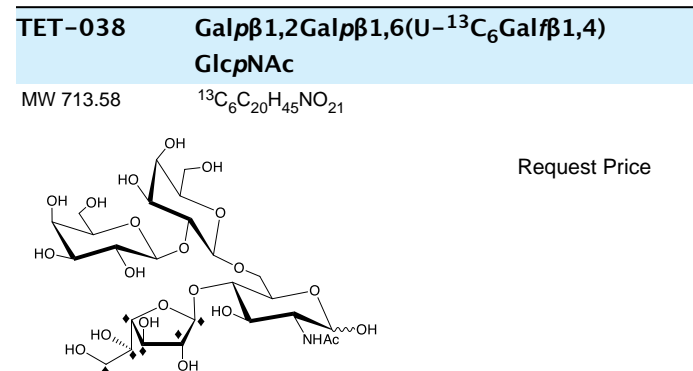
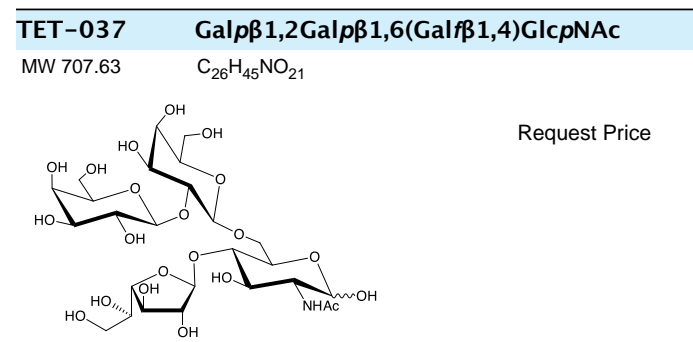
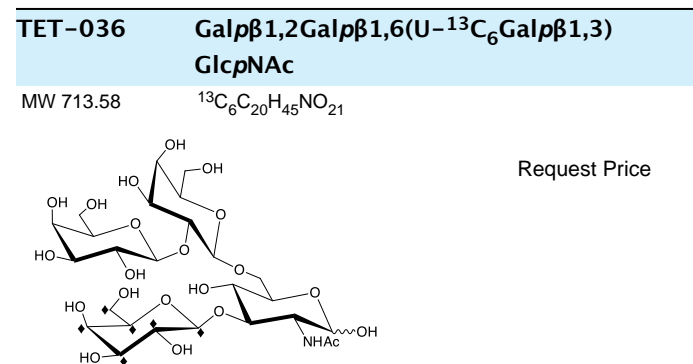
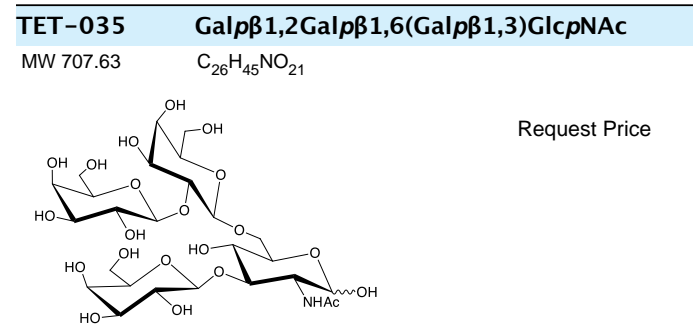
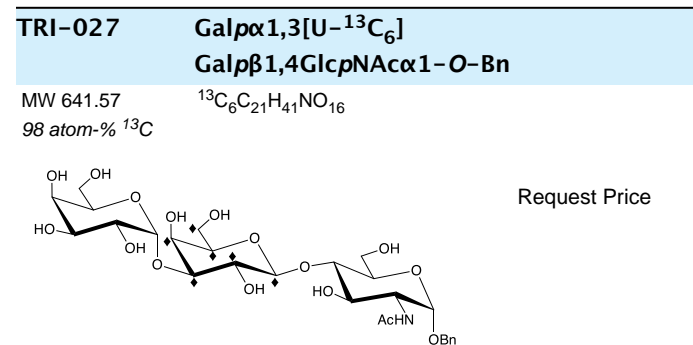


Request Price

TRI-026 **Galα1,3[U-¹³C₆]Galβ1,4GlcNAc**
 MW 551.44 ¹³C₆C₁₄H₃₅NO₁₆

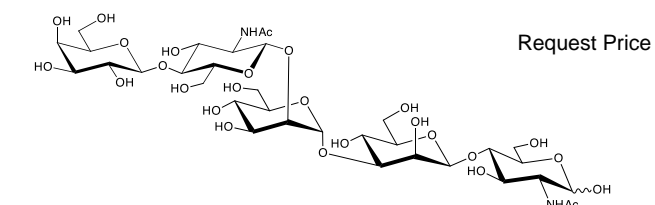


Request Price



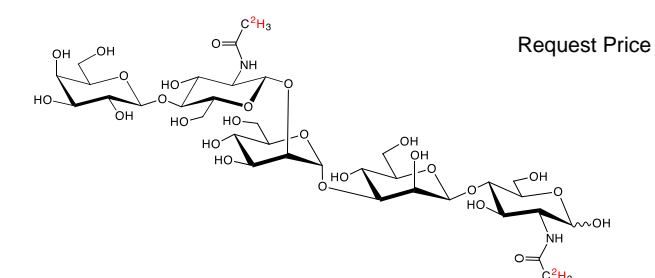
PEN-024 Galβ1,4GlcNAcβ1,2Manα1,3Manβ1,4GlcNAc
(βD-Gal(1→4)βD-GlcNAc(1→2)αD-Man(1→3)βD-Man(1→4)D-GlcNAc)

MW 910.82 C₃₄H₅₈N₂O₂₆



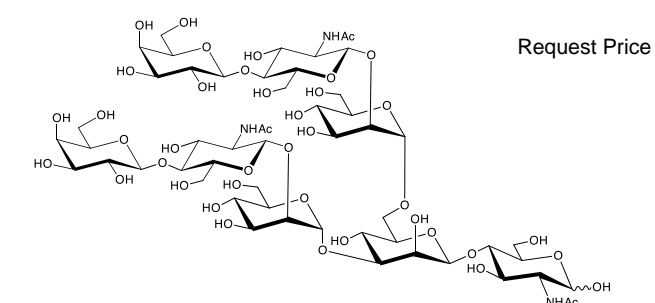
PEN-030 Galβ1,4GlcN[2-²H₃]Acβ1,2Manα1,3Manβ1,4GlcN[2-²H₃]Ac
(βD-Gal(1→4)βD-GlcN[2-²H₃]Ac(1→2)αD-Man(1→3)βD-Man(1→4)D-GlcN[2-²H₃]Ac)

MW 916.86 C₃₄H₅₂²H₆N₂O₂₆



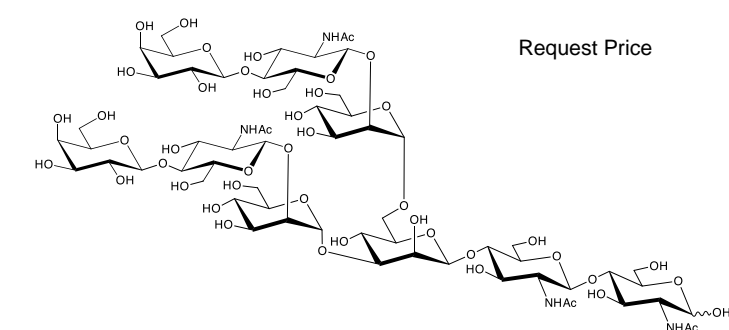
OLI-027 Galβ1,4GlcNAcβ1,2Manα1,3(Galβ1,4GlcNAcβ1,2Manα1,6)Manβ1,4GlcNAc
(βD-Gal(1→4)βD-GlcNAc(1→2)αD-Man(1→3)-[βD-Gal(1→4)βD-GlcNAc(1→2)αD-Man(1→6)]-βD-Man(1→4)D-GlcNAc)

MW 1438.30 C₅₄H₉₁N₃O₄₁



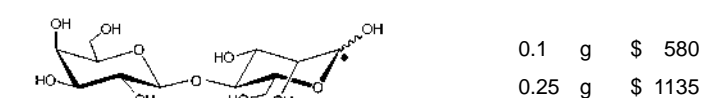
OLI-035 Galβ1,4GlcNAcβ1,2Manα1,3[Galβ1,4GlcNAcβ1,2Manα1,6]Manβ1,4GlcNAcβ1,4GlcNAc
(Gal(1→4)βD-GlcNAc(1→2)αD-Man(1→3)-[Gal(1→4)βD-GlcNAc(1→2)αD-Man(1→6)]-βD-Man(1→4)βD-GlcNAc(1→4)D-GlcNAc)

MW 1641.49 C₆₂H₁₀₄N₄O₄₆



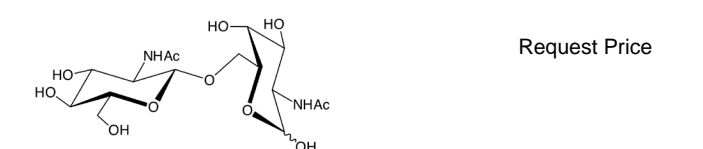
DIS-001 β-D-Galp-(1,4)-D-[1-¹³C]Manp
(4-O-β-D-galactopyranosyl-D-[1-¹³C]mannose)

MW 343.29 ¹³CC₁₁H₂₂O₁₁ [50468-56-9]UN



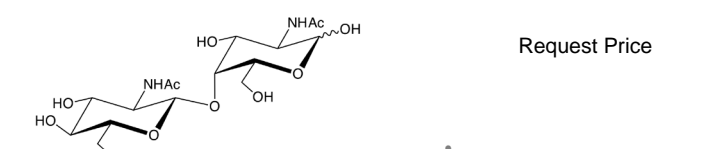
DIS-042 GlcNAc-β-1-6-GalNAc
(β-D-GlcNAc-(1,6)-D-GalNAc)

MW 424.40 C₁₆H₂₈N₂O₁₁



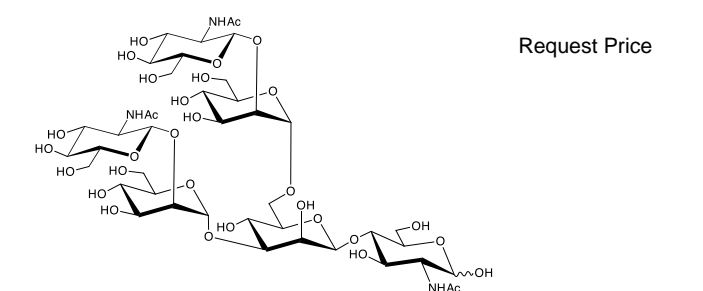
DIS-041 GlcNAc-β-1-4-GalNAc

MW 424.40 C₁₆H₂₈N₂O₁₁



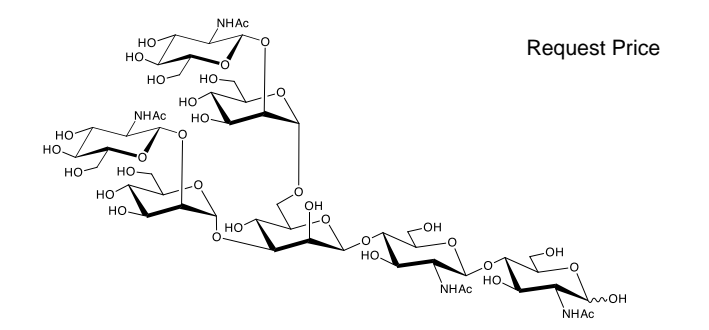
OLI-036 GlcNAcβ1,2Manα1,3[GlcNAcβ1,2Manα1,6]Manβ1,4GlcNAc
(GlcNAc(1→2)αD-Man(1→3)-[GlcNAc(1→2)αD-Man(1→6)]-βD-Man(1→4)D-GlcNAc)

MW 1114.02 C₄₂H₇₁N₃O₃₁



OLI-037 GlcNAcβ1,2Manα1,3[GlcNAcβ1,2Manα1,6]Manβ1,4GlcNAcβ1,4GlcNAc
(GlcNAc(1→2)αD-Man(1→3)-[GlcNAc(1→2)αD-Man(1→6)]-βD-Man(1→4)βD-GlcNAc(1→4)D-GlcNAc)

MW 1317.21 C₅₀H₈₄N₄O₃₆



ALD-076 L-glucitol
(L-sorbitol)

MW 182.17 C₆H₁₄O₆ [6706-59-8]



ALD-014 D-[1-¹³C]glucitol
(D-[1-¹³C]sorbitol)

MW 183.17 ¹³CC₅H₁₄O₆ [132144-93-5]



ALD-015 L-[1-¹³C]glucitol
(L-[1-¹³C]sorbitol)

MW 183.17 ¹³CC₅H₁₄O₆ [6706-59-8]UN



ALD-016 D-[2-¹³C]glucitol
(D-[2-¹³C]sorbitol)

MW 183.17 ¹³CC₅H₁₄O₆ [287100-73-6]



ALD-017 L-[2-¹³C]glucitol
(L-[2-¹³C]sorbitol)

MW 183.17 ¹³CC₅H₁₄O₆ [6706-59-8]UN



ALD-018 D-[3-¹³C]glucitol
(D-[3-¹³C]sorbitol)

MW 183.17 ¹³CC₅H₁₄O₆ [50-70-4]UN



ALD-019 D-[6-¹³C]glucitol
(D-[6-¹³C]sorbitol)

MW 183.17 ¹³CC₅H₁₄O₆ [50-70-4]UN



ALD-052 D-[1,2-¹³C₂]glucitol
(D-[1,2-¹³C₂]sorbitol)

MW 184.16 ¹³C₂C₄H₁₄O₆ [50-70-4]UN



ALD-055 D-[1,6-¹³C₂]glucitol
(D-[1,6-¹³C₂]sorbitol)

MW 184.16 ¹³C₂C₄H₁₄O₆ [50-70-4]UN



ALD-042 D-[4,6-¹³C₂]glucitol
(D-[4,6-¹³C₂]sorbitol)

MW 184.16 ¹³C₂C₄H₁₄O₆ [50-70-4]UN



ALD-043 D-[5,6-¹³C₂]glucitol
(D-[5,6-¹³C₂]sorbitol)

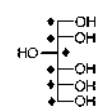
MW 184.16 ¹³C₂C₄H₁₄O₆ [50-70-4]UN

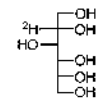


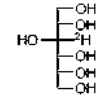
ALD-044 D-[4,5,6-¹³C₃]glucitol
(D-[4,5,6-¹³C₃]sorbitol)

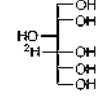
MW 185.15 ¹³C₃C₃H₁₄O₆ [50-70-4]UN

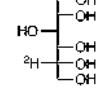


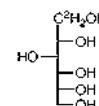
ALD-053	D-[UL-¹³C₆]glucitol (D-[UL- ¹³ C ₆]sorbitol)			
MW 188.13	¹³ C ₆ H ₁₄ O ₆	[121067-66-1]		
			0.1 g	\$ 180
			0.25 g	\$ 345
			0.5 g	\$ 580
			1 g	\$ 930

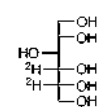
ALD-045	D-[2-²H]glucitol (D-[2- ² H]sorbitol)			
MW 183.18	C ₆ ² H ₁₃ O ₆	[75607-68-0]		
			0.25 g	\$ 100
			0.5 g	\$ 150
			1 g	\$ 195

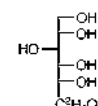
ALD-046	D-[3-²H]glucitol (D-[3- ² H]sorbitol)			
MW 183.18	C ₆ ² H ₁₃ O ₆	[50-70-4] ^{UN}		
			0.25 g	\$ 785
			0.5 g	\$ 1250
			1 g	\$ 2075

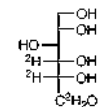
ALD-047	D-[4-²H]glucitol (D-[4- ² H]sorbitol)			
MW 183.18	C ₆ ² H ₁₃ O ₆	[50-70-4] ^{UN}		
			0.25 g	\$ 960
			0.5 g	\$ 1630
			1 g	\$ 2805

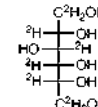
ALD-048	D-[5-²H]glucitol (D-[5- ² H]sorbitol)			
MW 183.18	C ₆ ² H ₁₃ O ₆	[50-70-4] ^{UN}		
			0.25 g	\$ 115
			0.5 g	\$ 195
			1 g	\$ 345


ALD-020	D-[1,1'-²H₂]glucitol (D-[1,1'- ² H ₂]sorbitol)			
MW 184.19	C ₆ ² H ₂ H ₁₂ O ₆	[50-70-4] ^{UN}		
			0.25 g	\$ 130
			0.5 g	\$ 205
			1 g	\$ 350


ALD-049	D-[4,5-²H₂]glucitol (D-[4,5- ² H ₂]sorbitol)			
MW 184.19	C ₆ ² H ₂ H ₁₂ O ₆	[50-70-4] ^{UN}		
			0.25 g	\$ 460
			0.5 g	\$ 710
			1 g	\$ 1120

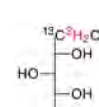
ALD-050	D-[6,6'-²H₂]glucitol (D-[6,6'- ² H ₂]sorbitol)			
MW 184.19	C ₆ ² H ₂ H ₁₂ O ₆	[50-70-4] ^{UN}		
			0.25 g	\$ 200
			0.5 g	\$ 335
			1 g	\$ 580

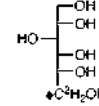
ALD-051	D-[4,5,6,6'-²H₄]glucitol (D-[4,5,6,6'- ² H ₄]sorbitol)			
MW 186.20	C ₆ ² H ₄ H ₁₀ O ₆	[50-70-4] ^{UN}		
			0.25 g	\$ 645
			0.5 g	\$ 1015
			1 g	\$ 1630

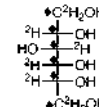
ALD-059	D-[UL-²H₈]glucitol (D-[UL- ² H ₈]sorbitol)			
MW 190.22	C ₆ ² H ₈ H ₆ O ₆	[50-70-4] ^{UN}		
			0.1 g	\$ 280
			0.25 g	\$ 525
			0.5 g	\$ 970
			1 g	\$ 1640

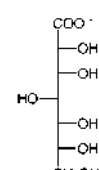
ALD-083	D-[5-¹⁸O]glucitol (D-[5- ¹⁸ O]sorbitol)			
MW 184.17	C ₆ H ₁₄ ¹⁸ O ₅	[50-70-4] ^{UN}		
>90 atom-% ¹⁸ O				
			Request Price	

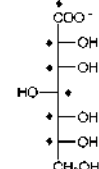
ALD-080	D-[6-¹⁸O]glucitol (D-[6- ¹⁸ O]sorbitol)			
MW 184.17	C ₆ H ₁₄ ¹⁸ O ₅	[50-70-4] ^{UN}		
>90 atom-% ¹⁸ O				
			0.05 g	\$ 460

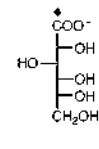
ALD-085	D-[1-¹³C;1,1'-²H₂]glucitol (D-[1- ¹³ C;1,1'- ² H ₂]sorbitol)			
MW 185.18	¹³ CC ₅ ² H ₂ H ₁₂ O ₆	[50-70-4] ^{UN}		
99 atom-% ¹³ C; 98 atom-% ² H				
			Request Price	

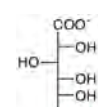
ALD-078	D-[6-¹³C;6,6'-²H₂]glucitol (D-[6- ¹³ C;6,6'- ² H ₂]sorbitol)			
MW 185.18	¹³ CC ₅ ² H ₂ H ₁₂ O ₆	[50-70-4] ^{UN}		
			0.25 g	\$ 380
			0.5 g	\$ 660
			1 g	\$ 1190

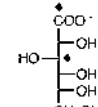
ALD-073	D-[UL-¹³C₆;UL-²H₈]glucitol (D-[UL- ¹³ C ₆ ;UL- ² H ₈]sorbitol)			
MW 196.17	¹³ C ₆ ² H ₈ H ₆ O ₆	[50-70-4] ^{UN}		
99 atom-% ¹³ C; 97 atom-% ² H				
			Request Price	

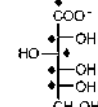
HEP-006	α-D-glucoheptonic acid sodium salt dihydrate (D-glycero-D-gulo-heptonic acid)			
MW 284.19	C ₇ H ₁₃ O ₈ Na·(H ₂ O) ₂	[10094-62-9]		
			Request Price	

HEP-007	α-D-[UL-¹³C₇]glucoheptonic acid sodium salt dihydrate (D-glycero-D-gulo-[UL- ¹³ C ₇]heptonic acid)			
MW 291.13	¹³ C ₇ H ₁₃ O ₈ Na·(H ₂ O) ₂	[10094-62-9] ^{UN}		
			Request Price	

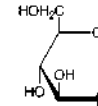
GLC-095	D-[1-¹³C]gluconic acid, sodium salt (Sodium D-[1- ¹³ C]gluconate)			
MW 219.13	¹³ CC ₅ H ₁₁ NaO ₇	[527-07-1] ^{UN}		
			0.1 g	\$ 250
			0.25 g	\$ 485
			0.5 g	\$ 840
			1 g	\$ 1485


GLC-163	D-[6,6'-²H₂]gluconic acid, sodium salt (Sodium D-[6,6'- ² H ₂]gluconate)			
MW 220.15	C ₆ ² H ₂ H ₉ NaO ₇	[527-07-1] ^{UN}		
			0.1 g	\$ 240
			0.25 g	\$ 465
			0.5 g	\$ 805
			1 g	\$ 1410

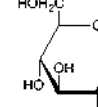
GLC-143	D-[1,3-¹³C₂]gluconic acid, potassium salt (Potassium D-[1,3- ¹³ C ₂]gluconate)			
MW 236.23	¹³ C ₂ C ₄ H ₁₁ KO ₇	[299-27-4] ^{UN}		
			Request Price	

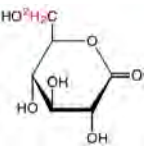
GLC-090	D-[UL-¹³C₆]gluconic acid, sodium salt (Sodium D-[UL- ¹³ C ₆]gluconate)			
MW 224.09	¹³ C ₆ H ₁₁ NaO ₇	[527-07-1] ^{UN}		
			0.1 g	\$ 305
			0.25 g	\$ 600

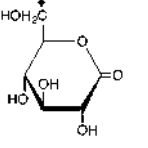
gluconic acid lactone	see glucono-lactone page 61
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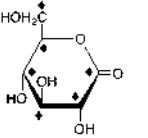
GLC-112	D-glucono-1,5-lactone (D-gluconic acid δ-lactone)			
MW 178.14	C ₆ H ₁₀ O ₆	[90-80-2]		
			1 g	\$ 130

GLC-113	L-glucono-1,5-lactone (L-gluconic acid δ-lactone)			
MW 178.14	C ₆ H ₁₀ O ₆	[52153-09-0]		
			1 g	\$ 460

GLC-068	D-[1-¹³C]glucono-1,5-lactone (D-[1- ¹³ C]gluconic acid δ-lactone)			
MW 179.13	¹³ CC ₅ H ₁₀ O ₆	[90-80-2] ^{UN}		
			0.1 g	\$ 235
			0.25 g	\$ 420
			0.5 g	\$ 715

GLC-162	D-[6,6'-²H₂]glucono-1,5-lactone (D-[6,6'- ² H ₂]gluconic acid δ-lactone)			
MW 180.15	C ₆ H ₂ H ₈ O ₆	[90-80-2] ^{UN}		
			0.1 g \$ 240	
			0.25 g \$ 465	
			0.5 g \$ 805	
			1 g \$ 1410	

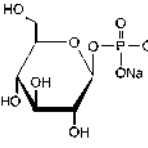
GLC-102	D-[6-¹³C]glucono-1,5-lactone (D-[6- ¹³ C]gluconic acid δ-lactone)			
MW 179.13	¹³ CC ₅ H ₁₀ O ₆	[90-80-2] ^{UN}		
			Request Price	

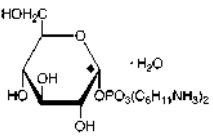
GLC-072	D-[UL-¹³C₆]glucono-1,5-lactone (D-[UL- ¹³ C ₆]gluconic acid δ-lactone)			
MW 184.09	¹³ C ₆ H ₁₀ O ₆	[90-80-2] ^{UN}		
			0.1 g \$ 305	
			0.25 g \$ 600	
			0.5 g \$ 1045	

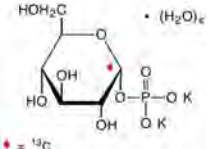
1-O-D-gluco-1,5-lactone
see trehalose page 109

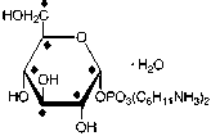
4-O-α-D-gluco-1,5-lactone
see maltose page 78

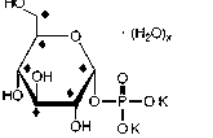
4-O-β-D-gluco-1,5-lactone
see cellobiose page 37

GLC-103	β-D-gluco-1-phosphate, disodium salt (β-D-glucose 1-phosphate, disodium salt)			
MW 304.10	C ₆ H ₁₁ Na ₂ O ₉ P			
			Request Price	

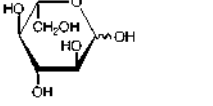
GLC-015	α-D-[1-¹³C]gluco-1-phosphate (dicyclohexylammonium salt, monohydrate)			
MW 477.51	¹³ CC ₁₇ H ₃₉ N ₂ O ₉ P·H ₂ O	[478518-99-9]		
			0.25 g \$ 380	
			0.5 g \$ 630	
			1 g \$ 1045	

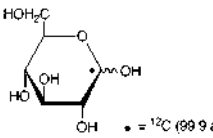
GLC-154	α-D-[1-¹³C]gluco-1-phosphate dipotassium salt hydrate (α-D-[1- ¹³ C]glucose 1-phosphate dipotassium salt hydrate)			
MW 337.31	¹³ CC ₅ H ₁₁ K ₂ O ₉ P·(H ₂ O) _x	[6736-77-2] ^{UN}		
			Request Price	

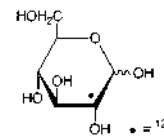
GLC-074	α-D-[UL-¹³C₆]gluco-1-phosphate (dicyclohexylammonium salt, monohydrate)			
MW 482.47	¹³ C ₆ C ₁₂ H ₃₉ N ₂ O ₉ P·H ₂ O			
			0.05 g \$ 280	
			0.1 g \$ 475	
			0.25 g \$ 930	

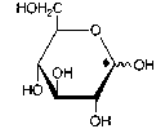
GLC-137	α-D-[UL-¹³C₆]gluco-1-phosphate dipotassium salt hydrate			
MW 342.27	¹³ C ₆ H ₁₁ K ₂ O ₉ P·(H ₂ O) _x	[6736-77-2] ^{UN}		
			0.05 g \$ 195	
			0.1 g \$ 305	
			0.25 g \$ 600	

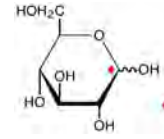
glucosamine
see 2-amino-2-deoxy-D-glucose page 31

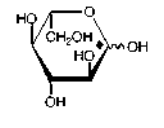
GLC-079	L-glucose			
MW 180.16	C ₆ H ₁₂ O ₆	[921-60-8]		
			1 g \$ 100	

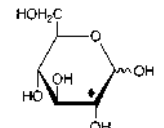
GLC-016	D-[1-¹²C]glucose (¹³C depleted at C1)			
MW 180.15	¹² CC ₅ H ₁₂ O ₆	[50-99-7] ^{UN}		
			0.25 g \$ 330	
			0.5 g \$ 545	
			1 g \$ 895	

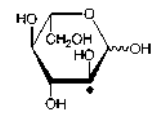
GLC-017	D-[2-¹²C]glucose (¹³C depleted at C2)			
MW 180.15	¹² CC ₅ H ₁₂ O ₆	[50-99-7] ^{UN}		
			0.25 g \$ 330	
			0.5 g \$ 545	
			1 g \$ 895	

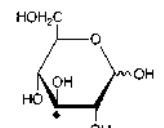
GLC-018	D-[1-¹³C]glucose			
MW 181.15	¹³ CC ₅ H ₁₂ O ₆	[40762-22-9]		
			0.25 g \$ 140	
			0.5 g \$ 225	
			1 g \$ 355	

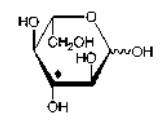
GLC-918	D-[1-¹³C]glucose (S&P Tested)			
MW 181.15	¹³ CC ₅ H ₁₂ O ₆	[50-99-7] ^{UN}		
			Request Price	

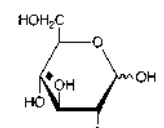
GLC-019	L-[1-¹³C]glucose			
MW 181.15	¹³ CC ₅ H ₁₂ O ₆	[478519-02-7]		
			0.25 g \$ 165	
			0.5 g \$ 265	
			1 g \$ 460	

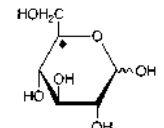
GLC-020	D-[2-¹³C]glucose			
MW 181.15	¹³ CC ₅ H ₁₂ O ₆	[105931-74-6]		
			0.25 g \$ 150	
			0.5 g \$ 235	
			1 g \$ 380	

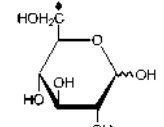
GLC-021	L-[2-¹³C]glucose			
MW 181.15	¹³ CC ₅ H ₁₂ O ₆	[478519-05-0]		
			0.25 g \$ 235	
			0.5 g \$ 400	
			1 g \$ 700	

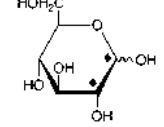
GLC-022	D-[3-¹³C]glucose			
MW 181.15	¹³ CC ₅ H ₁₂ O ₆	[287100-64-5]		
			0.05 g \$ 130	
			0.1 g \$ 225	
			0.25 g \$ 370	
			0.5 g \$ 610	
			1 g \$ 975	

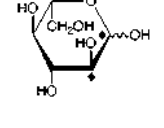
GLC-104	L-[3-¹³C]glucose			
MW 181.15	¹³ CC ₅ H ₁₂ O ₆	[921-60-8] ^{UN}		
			0.1 g \$ 305	
			0.25 g \$ 580	

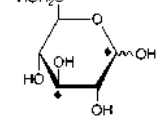
GLC-023	D-[4-¹³C]glucose			
MW 181.15	¹³ CC ₅ H ₁₂ O ₆	[84270-10-0]		
			0.05 g \$ 250	
			0.1 g \$ 400	
			0.25 g \$ 750	
			0.5 g \$ 1320	
			1 g \$ 2365	

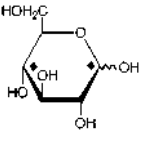
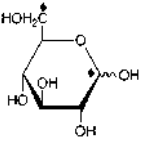
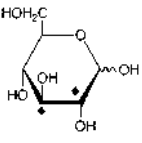
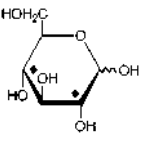
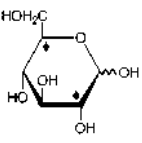
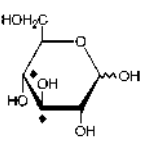
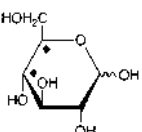
GLC-024	D-[5-¹³C]glucose			
MW 181.15	¹³ CC ₅ H ₁₂ O ₆	[120388-24-1]		
			0.05 g \$ 280	
			0.1 g \$ 410	
			0.25 g \$ 795	
			0.5 g \$ 1395	
			1 g \$ 2510	

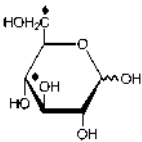
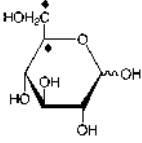
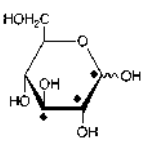
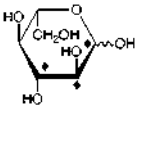
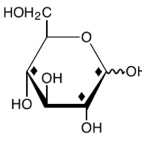
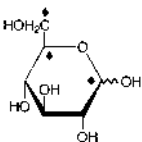
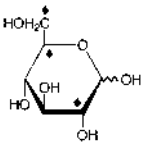
GLC-025	D-[6-¹³C]glucose			
MW 181.15	¹³ CC ₅ H ₁₂ O ₆	[106032-62-6]		
			0.1 g \$ 195	
			0.25 g \$ 360	
			0.5 g \$ 600	
			1 g \$ 1045	

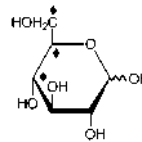
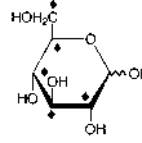
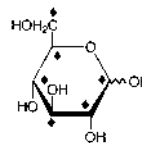
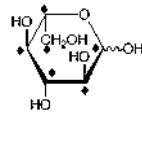
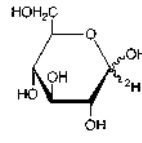
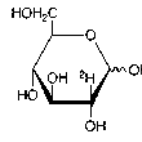
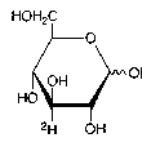
GLC-026	D-[1,2-¹³C₂]glucose			
MW 182.14	¹³ C ₂ C ₄ H ₁₂ O ₆	[261728-61-4]		
			0.1 g \$ 195	
			0.25 g \$ 345	
			0.5 g \$ 580	
			1 g \$ 970	

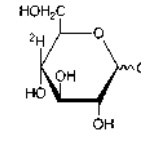
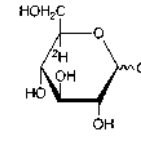
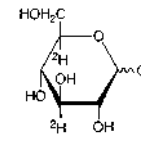
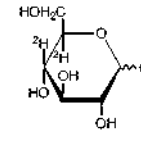
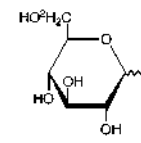
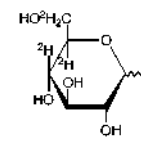
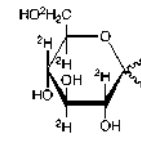
GLC-099	L-[1,2-¹³C₂]glucose			
MW 182.14	¹³ C ₂ C ₄ H ₁₂ O ₆	[921-60-8] ^{UN}		
			0.1 g \$ 400	
			0.25 g \$ 750	
			0.5 g \$ 1320	
			1 g \$ 2365	

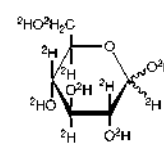
GLC-027	D-[1,3-¹³C₂]glucose			
MW 182.14	¹³ C ₂ C ₄ H ₁₂ O ₆	[478529-30-5]		
			0.25 g \$ 855	
			0.5 g \$ 1455	
			1 g \$ 2510	

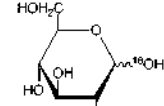
GLC-148	D-[1,4-¹³C₂]glucose		
MW 182.14	¹³ C ₂ C ₄ H ₁₂ O ₆	[50-99-7] ^{UN}	
	Request Price		
GLC-028	D-[1,6-¹³C₂]glucose		
MW 182.14	¹³ C ₂ C ₄ H ₁₂ O ₆	[287100-67-8]	
	0.05 g \$ 235		
	0.1 g \$ 365		
	0.25 g \$ 785		
	0.5 g \$ 1250		
	1 g \$ 2225		
GLC-078	D-[2,3-¹³C₂]glucose		
MW 182.14	¹³ C ₂ C ₄ H ₁₂ O ₆	[50-99-7] ^{UN}	
	0.25 g \$ 895		
	0.5 g \$ 1485		
	1 g \$ 2660		
GLC-149	D-[2,4-¹³C₂]glucose		
MW 182.14	¹³ C ₂ C ₄ H ₁₂ O ₆	[50-99-7] ^{UN}	
	Request Price		
GLC-029	D-[2,5-¹³C₂]glucose		
MW 182.14	¹³ C ₂ C ₄ H ₁₂ O ₆	[86595-19-9]	
	0.05 g \$ 365		
	0.1 g \$ 600		
	0.25 g \$ 1205		
	0.5 g \$ 2130		
	1 g \$ 3840		
GLC-061	D-[3,4-¹³C₂]glucose		
MW 182.14	¹³ C ₂ C ₄ H ₁₂ O ₆	[50-99-7] ^{UN}	
	0.1 g \$ 675		
	0.25 g \$ 1335		
	0.5 g \$ 2540		
	1 g \$ 4715		
GLC-030	D-[4,5-¹³C₂]glucose		
MW 182.14	¹³ C ₂ C ₄ H ₁₂ O ₆	[478529-31-6]	
	0.25 g \$ 1145		
	0.5 g \$ 2075		
	1 g \$ 3765		

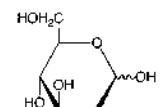
GLC-056	D-[4,6-¹³C₂]glucose		
MW 182.14	¹³ C ₂ C ₄ H ₁₂ O ₆	[478529-45-2]	
	0.1 g \$ 1515		
	0.25 g \$ 3605		
GLC-057	D-[5,6-¹³C₂]glucose		
MW 182.14	¹³ C ₂ C ₄ H ₁₂ O ₆	[478529-46-3]	
	0.05 g \$ 330		
	0.1 g \$ 545		
	0.25 g \$ 1075		
	0.5 g \$ 2020		
	1 g \$ 3840		
GLC-031	D-[1,2,3-¹³C₃]glucose		
MW 183.14	¹³ C ₃ C ₃ H ₁₂ O ₆	[478529-32-7]	
	0.25 g \$ 850		
	0.5 g \$ 1455		
	1 g \$ 2510		
GLC-110	L-[1,2,3-¹³C₃]glucose		
MW 183.14	¹³ C ₃ C ₃ H ₁₂ O ₆	[921-60-8] ^{UN}	
	0.25 g \$ 895		
	0.5 g \$ 1455		
	1 g \$ 2660		
GLC-156	D-[1,2,4-¹³C₃]glucose		
MW 183.14	¹³ C ₃ C ₃ H ₁₂ O ₆	[50-99-7] ^{UN}	
	Request Price		
GLC-117	D-[1,5,6-¹³C₃]glucose		
MW 183.14	¹³ C ₃ C ₃ H ₁₂ O ₆	[50-99-7] ^{UN}	
	Request Price		
GLC-118	D-[2,5,6-¹³C₃]glucose		
MW 183.14	¹³ C ₃ C ₃ H ₁₂ O ₆	[50-99-7] ^{UN}	
	Request Price		

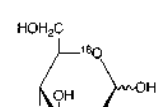
GLC-058	D-[4,5,6-¹³C₃]glucose		
MW 183.14	¹³ C ₃ C ₃ H ₁₂ O ₆	[478529-47-4]	
	0.1 g \$ 600		
	0.25 g \$ 1190		
GLC-111	D-[2,3,4,5,6-¹³C₅]glucose		
MW 185.12	¹³ C ₅ C ₁ H ₁₂ O ₆	[50-99-7] ^{UN}	
	0.01 g \$ 185		
	0.025 g \$ 355		
	0.05 g \$ 610		
	0.1 g \$ 1080		
GLC-082	D-[UL-¹³C₆]glucose		
MW 186.11	¹³ C ₆ H ₁₂ O ₆	[110187-42-3]	
	0.25 g \$ 165		
	0.5 g \$ 250		
	1 g \$ 430		
GLC-121	L-[UL-¹³C₆]glucose		
MW 186.11	¹³ C ₆ H ₁₂ O ₆	[921-60-8] ^{UN}	
	0.05 g \$ 675		
	0.1 g \$ 1190		
GLC-032	D-[1-²H]glucose		
MW 181.16	C ₆ ² HH ₁₁ O ₆	[106032-61-5]	
	0.25 g \$ 130		
	0.5 g \$ 180		
	1 g \$ 235		
GLC-033	D-[2-²H]glucose		
MW 181.16	C ₆ ² HH ₁₁ O ₆	[106032-60-4]	
	0.25 g \$ 150		
	0.5 g \$ 220		
	1 g \$ 355		
GLC-034	D-[3-²H]glucose		
MW 181.16	C ₆ ² HH ₁₁ O ₆	[51517-59-0]	
	0.05 g \$ 165		
	0.1 g \$ 250		
	0.25 g \$ 475		
	0.5 g \$ 815		
	1 g \$ 1455		

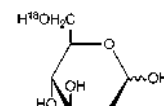
GLC-035	D-[4-²H]glucose		
MW 181.16	C ₆ ² HH ₁₁ O ₆	[56570-89-9]	
	0.05 g \$ 280		
	0.1 g \$ 460		
	0.25 g \$ 870		
	0.5 g \$ 1485		
	1 g \$ 2510		
GLC-036	D-[5-²H]glucose		
MW 181.16	C ₆ ² HH ₁₁ O ₆	[136864-16-9]	
	0.05 g \$ 165		
	0.1 g \$ 250		
	0.25 g \$ 485		
	0.5 g \$ 825		
	1 g \$ 1485		
GLC-077	D-[3,5-²H₂]glucose		
MW 182.17	C ₆ ² H ₂ H ₁₀ O ₆	[50-99-7] ^{UN}	
	0.01 g \$ 235		
	0.025 g \$ 400		
	0.05 g \$ 720		
	0.1 g \$ 1310		
GLC-059	D-[4,5-²H₂]glucose		
MW 182.17	C ₆ ² H ₂ H ₁₀ O ₆	[478529-48-5]	
	0.25 g \$ 1015		
	0.5 g \$ 1725		
	1 g \$ 3110		
GLC-037	D-[6,6'-²H₂]glucose		
MW 182.17	C ₆ ² H ₂ H ₁₀ O ₆	[18991-62-3]	
	1 g \$ 185		
GLC-060	D-[4,5,6,6'-²H₄]glucose		
MW 184.18	C ₆ ² H ₄ H ₈ O ₆	[478529-49-6]	
	0.25 g \$ 1170		
	0.5 g \$ 1995		
	1 g \$ 3545		
GLC-115	D-[UL-²H₇]glucose (D-[1,2,3,4,5,6,6'- ² H ₇]glucose)		
MW 187.20	C ₆ ² H ₇ H ₅ O ₆	[66034-51-3]	
	0.1 g \$ 195		
	0.25 g \$ 280		
	0.5 g \$ 460		
	1 g \$ 750		

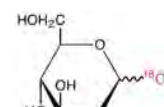
GLC-116	D-[UL-²H₁₂]glucose (D-[² H ₁₂]glucose)			
MW 192.23	C ₆ H ₁₂ O ₆	[50-99-7]UN		
			0.1 g	\$ 250
			0.25 g	\$ 485
			0.5 g	\$ 870
			1 g	\$ 1430

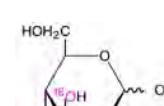
GLC-042	D-[1-¹⁸O]glucose			
MW 182.16	C ₆ H ₁₂ ¹⁸ O ₅	[3343-70-2]		
>90 atom-% ¹⁸ O				
			0.1 g	\$ 460
			0.25 g	\$ 895

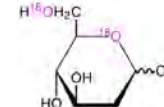
GLC-126	D-[2-¹⁸O]glucose			
MW 182.16	C ₆ H ₁₂ ¹⁸ O ₅	[50-99-7]UN		
>90 atom-% ¹⁸ O				
			0.1 g	\$ 600

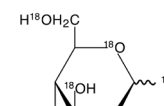
GLC-127	D-[5-¹⁸O]glucose			
MW 182.16	C ₆ H ₁₂ ¹⁸ O ₅	[50-99-7]UN		
>90 atom-% ¹⁸ O				
			0.1 g	\$ 895

GLC-128	D-[6-¹⁸O]glucose			
MW 182.16	C ₆ H ₁₂ ¹⁸ O ₅	[50-99-7]UN		
>90 atom-% ¹⁸ O				
			0.05 g	\$ 600

GLC-165	D-[1,2-¹⁸O₂]glucose			
MW 184.16	C ₆ H ₁₂ ¹⁸ O ₂ O ₄	[50-99-7]UN		
			Request Price	

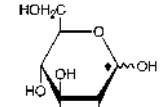
GLC-167	D-[3,4-¹⁸O₂]glucose			
MW 184.16	C ₆ H ₁₂ ¹⁸ O ₂ O ₄	[50-99-7]UN		
>90 atom-% ¹⁸ O				
			Request Price	

GLC-166	D-[5,6-¹⁸O₂]glucose			
MW 184.16	C ₆ H ₁₂ ¹⁸ O ₂ O ₄	[50-99-7]UN		
			Request Price	

GLC-168	D-[UL-¹⁸O₆]glucose			
MW 192.16	C ₆ H ₁₂ ¹⁸ O ₆	[50-99-7]UN		
>90 atom-% ¹⁸ O				
			Request Price	

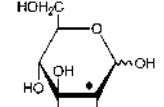
GLC-038	D-[1-¹³C;1-²H]glucose			
MW 182.16	¹³ CC ₅ ² HH ₁₁ O ₆	[201136-45-0]		
			0.25 g	\$ 290
			0.5 g	\$ 485
			1 g	\$ 870

GLC-039	D-[1-¹³C;2-²H]glucose			
MW 182.16	¹³ CC ₅ ² HH ₁₁ O ₆	[201417-06-3]		
			0.05 g	\$ 250
			0.1 g	\$ 380
			0.25 g	\$ 750
			0.5 g	\$ 1335
			1 g	\$ 2365

GLC-135	D-[1-¹³C;3-²H]glucose			
MW 182.16	¹³ CC ₅ ² HH ₁₁ O ₆	[50-99-7]UN		
			Request Price	

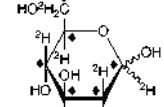
GLC-134	D-[2-¹³C;1-²H]glucose			
MW 182.16	¹³ CC ₅ ² HH ₁₁ O ₆	[50-99-7]UN		
			0.1 g	\$ 305
			0.25 g	\$ 600
			0.5 g	\$ 1075
			1 g	\$ 1780

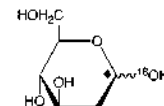
GLC-069	D-[2-¹³C;2-²H]glucose			
MW 182.16	¹³ CC ₅ ² HH ₁₁ O ₆	[50-99-7]UN		
			0.05 g	\$ 250
			0.1 g	\$ 380
			0.25 g	\$ 750
			0.5 g	\$ 1335
			1 g	\$ 2365

GLC-136	D-[2-¹³C;3-²H]glucose			
MW 182.16	¹³ CC ₅ ² HH ₁₁ O ₆	[50-99-7]UN		
			Request Price	

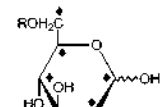
GLC-040	D-[6-¹³C;6,6'-²H₂]glucose			
MW 183.16	¹³ CC ₅ ² H ₂ H ₁₀ O ₆	[478529-33-8]		
			0.05 g	\$ 220
			0.1 g	\$ 345
			0.25 g	\$ 645
			0.5 g	\$ 1075
			1 g	\$ 1780

GLC-041	D-[1,6-¹³C₂;6,6'-²H₂]glucose			
MW 184.16	¹³ C ₂ C ₄ ² H ₂ H ₁₀ O ₆	[157171-80-7]		
			0.05 g	\$ 250
			0.1 g	\$ 380
			0.25 g	\$ 750
			0.5 g	\$ 1335
			1 g	\$ 2365

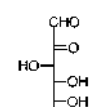
GLC-125	D-[UL-¹³C₆;UL-²H₇]glucose (D-[UL- ¹³ C ₆ ;1,2,3,4,5,6,6'- ² H ₇]glucose)			
MW 193.15	¹³ C ₆ ² H ₇ H ₅ O ₆	[201417-01-8]		
99 atom-% ¹³ C; 97 atom-% ² H				
			0.1 g	\$ 165
			0.25 g	\$ 305
			0.5 g	\$ 545
			1 g	\$ 990

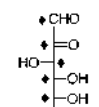
GLC-129	D-[1-¹³C;1,2-¹⁸O₂]glucose			
MW 185.15	¹³ CC ₅ H ₁₂ ¹⁸ O ₂ O ₄	[50-99-7]UN		
			Request Price	

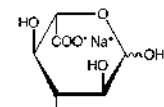
glucose 1-phosphate
see glucopyranosyl 1-phosphate page 62

GLC-098	D-[UL-¹³C₆]glucose 6-phosphate (disodium salt, hydrate)			
MW 310.05	¹³ C ₆ H ₁₁ O ₉ PN ₂ ·(H ₂ O) _x	[3671-99-6]UN		
MW is on anhydrous basis.				
			0.05 g	\$ 525
			0.1 g	\$ 870
			0.25 g	\$ 1725

R = PO₃²⁻ Na₂⁺

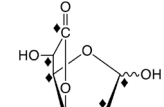
GLC-130	D-glucosone (D- <i>arabino</i> -hexos-2-ulose)			
MW 178.14	C ₆ H ₁₀ O ₆	[1854-25-7]		
			Request Price	

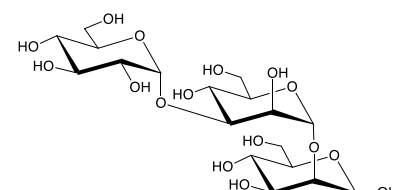
GLC-140	D-[UL-¹³C₆]glucosone (D-[UL- ¹³ C ₆] <i>arabino</i> -hexos-2-ulose)			
MW 184.09	¹³ C ₆ H ₁₀ O ₆	[1854-25-7]UN		
			Request Price	

GLC-106	L-glucuronic acid, sodium salt (Sodium L-glucuronate)			
MW 216.12	C ₆ H ₉ NaO ₇			
			Request Price	

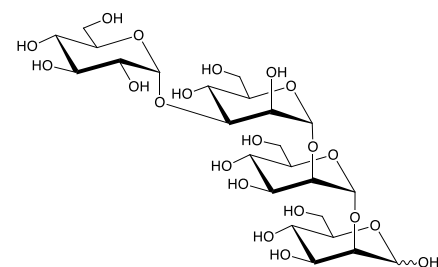
GLC-151	D-[UL-¹³C₆]glucuronic acid sodium salt monohydrate (Sodium D-[UL- ¹³ C ₆]glucuronate monohydrate)			
MW 240.09	¹³ C ₆ H ₉ NaO ₇ ·H ₂ O			
			0.1 g	\$ 430
			0.25 g	\$ 840

glucuronic acid lactone
see glucurono-lactone page 67

GLC-152	D-[UL-¹³C₆]glucurono-6,3-lactone (D-[UL- ¹³ C ₆]glucuronic acid γ-lactone)			
MW 182.07	¹³ C ₆ H ₈ O ₆	[32449-92-6]UN		
			Request Price	

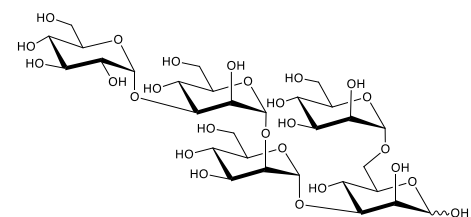
TRI-030	Glcα-3Manα-2Man (αD-Glcp(1→3)αD-Manp(1→2)D-Manp)			
MW 504.44	C ₁₈ H ₃₂ O ₁₆			
			Request Price	

TET-047	Glcα-3Manα-2Manα-2Man (α D-Glc ρ (1 \rightarrow 3) α D-Man ρ (1 \rightarrow 2) α D-Man ρ (1 \rightarrow 2)D-Man ρ)
MW 666.58	C ₂₄ H ₄₂ O ₂₁



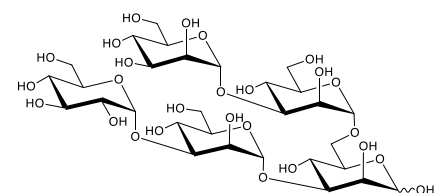
Request Price

PEN-027	Glcα-3Manα-2Manα-3[Manα-6]Man (α D-Glc ρ (1 \rightarrow 3) α D-Man ρ (1 \rightarrow 2) α D-Man ρ (1 \rightarrow 3)[α D-Man ρ (1 \rightarrow 6)]D-Man ρ)
MW 828.72	C ₃₀ H ₅₂ O ₂₆



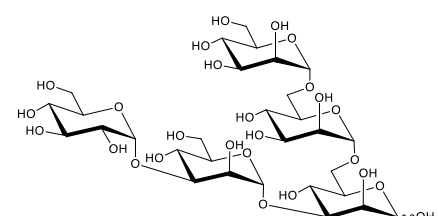
Request Price

PEN-026	Glcα-3Manα-3[Manα-3Manα-6]Man (α D-Glc ρ (1 \rightarrow 3) α D-Man ρ (1 \rightarrow 3)[α D-Man ρ (1 \rightarrow 3) α D-Man ρ (1 \rightarrow 6)]D-Man ρ)
MW 828.72	C ₃₀ H ₅₂ O ₂₆



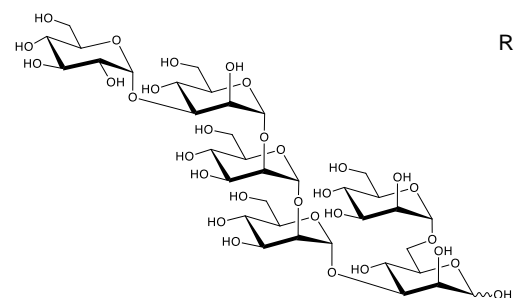
Request Price

PEN-025	Glcα-3Manα-3[Manα-6Manα-6]Man (α D-Glc ρ (1 \rightarrow 3) α D-Man ρ (1 \rightarrow 3)[α D-Man ρ (1 \rightarrow 6) α D-Man ρ (1 \rightarrow 6)]D-Man ρ)
MW 828.72	C ₃₀ H ₅₂ O ₂₆



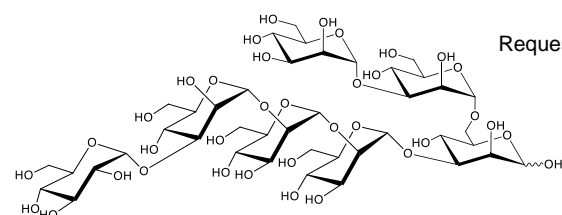
Request Price

HEX-029	Glcα-3Manα-2Manα-2Manα-3[Manα-6]Man (α D-Glc ρ (1 \rightarrow 3) α D-Man ρ (1 \rightarrow 2) α D-Man ρ (1 \rightarrow 2) α D-Man ρ (1 \rightarrow 3)[α D-Man ρ (1 \rightarrow 6)]D-Man ρ)
MW 990.86	C ₃₆ H ₆₂ O ₃₁



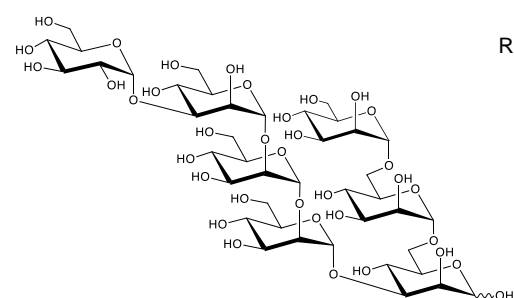
Request Price

OLI-029	Glcα-3Manα-2Manα-2Manα-3[Manα-3Manα-6]Man (α D-Glc ρ (1 \rightarrow 3) α D-Man ρ (1 \rightarrow 2) α D-Man ρ (1 \rightarrow 2) α D-Man ρ (1 \rightarrow 3)[α D-Man ρ (1 \rightarrow 3) α D-Man ρ (1 \rightarrow 6)]D-Man ρ)
MW 1153.00	C ₄₂ H ₇₂ O ₃₆



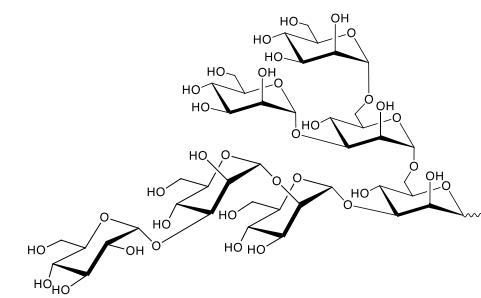
Request Price

OLI-030	Glcα-3Manα-2Manα-2Manα-3[Manα-6Manα-6]Man (α D-Glc ρ (1 \rightarrow 3) α D-Man ρ (1 \rightarrow 2) α D-Man ρ (1 \rightarrow 2) α D-Man ρ (1 \rightarrow 3)[α D-Man ρ (1 \rightarrow 6) α D-Man ρ (1 \rightarrow 6)]D-Man ρ)
MW 1153.00	C ₄₂ H ₇₂ O ₃₆



Request Price

OLI-028	Glcα-3Manα-2Manα-3[Manα-3[Manα-6]Manα-6]Man (α D-Glc ρ (1 \rightarrow 3) α D-Man ρ (1 \rightarrow 2) α D-Man ρ (1 \rightarrow 3)[α D-Man ρ (1 \rightarrow 3)[α D-Man ρ (1 \rightarrow 6)] α D-Man ρ (1 \rightarrow 6)]D-Man ρ)
MW 1153.00	C ₄₂ H ₇₂ O ₃₆



Request Price

GlcNAc-(β1,N)-Asn	see <i>N</i> -acetylglucosamine-(1,N)-Asn page 22
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(GlcNAc)_x	see <i>N</i> -acetylglucosamine oligomers page 22
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GLE-013	D-glyceraldehyde (D-2,3-dihydroxypropanal)	[453-17-8]
MW 90.08	C ₃ H ₆ O ₃	
Supplied as an aqueous solution.		

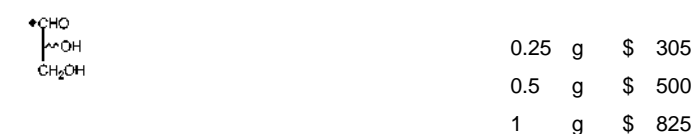
0.5 g \$ 130
1 g \$ 205

GLE-015	L-glyceraldehyde (L-2,3-dihydroxypropanal)	[497-09-6]
MW 90.08	C ₃ H ₆ O ₃	
Supplied as an aqueous solution.		



Request Price

GLE-001	DL-[1-¹³C]glyceraldehyde (DL-[1- ¹³ C]2,3-dihydroxypropanal)	[70849-18-2]
MW 91.07	¹³ CC ₂ H ₆ O ₃	
Supplied as an aqueous solution.		

0.25 g \$ 305
0.5 g \$ 500
1 g \$ 825

GLE-002	DL-[2-¹³C]glyceraldehyde (DL-[2- ¹³ C]2,3-dihydroxypropanal)	[71122-43-5]
MW 91.07	¹³ CC ₂ H ₆ O ₃	
Supplied as an aqueous solution.		

0.25 g \$ 260
0.5 g \$ 430
1 g \$ 750

GLE-003	D-[3-¹³C]glyceraldehyde (D-[3- ¹³ C]2,3-dihydroxypropanal)	[478529-50-9]
MW 91.07	¹³ CC ₂ H ₆ O ₃	
Supplied as an aqueous solution.		

0.1 g \$ 645
0.25 g \$ 1310
0.5 g \$ 2225
1 g \$ 3915

GLE-004	DL-[1,2-¹³C₂]glyceraldehyde (DL-[1,2- ¹³ C ₂]2,3-dihydroxypropanal)	[478529-51-0]
MW 92.06	¹³ C ₂ H ₆ O ₃	
Supplied as an aqueous solution.		

0.25 g \$ 660
0.5 g \$ 1075
1 g \$ 1780

GLE-005	DL-[1,3-¹³C₂]glyceraldehyde (DL-[1,3- ¹³ C ₂]2,3-dihydroxypropanal)	[478529-53-2]
MW 92.06	¹³ C ₂ H ₆ O ₃	
Supplied as an aqueous solution.		

0.25 g \$ 785
0.5 g \$ 1250
1 g \$ 2075

GLE-006	D-[1,2,3-¹³C₃]glyceraldehyde (D-[1,2,3- ¹³ C ₃]2,3-dihydroxypropanal)	[478529-54-3]
MW 93.06	¹³ C ₃ H ₆ O ₃	
Supplied as an aqueous solution.		


0.1 g \$ 430
0.25 g \$ 825
0.5 g \$ 1335
1 g \$ 2225


GLE-007	DL-[1,2,3-¹³C₃]glyceraldehyde (DL-[1,2,3- ¹³ C ₃]2,3-dihydroxypropanal)	[478529-56-5]
MW 93.06	¹³ C ₃ H ₆ O ₃	
Supplied as an aqueous solution.		


0.25 g \$ 825
0.5 g \$ 1335
1 g \$ 2225


GLE-008	DL-[1-²H]glyceraldehyde (DL-[1- ² H]2,3-dihydroxypropanal)	[72599-69-0]
MW 91.08	C ₃ ² H ₅ O ₃	
Supplied as an aqueous solution.		

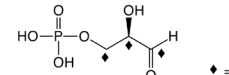
0.25 g \$ 460
0.5 g \$ 710
1 g \$ 1120

GLE-012	D-[2- ² H]glyceraldehyde (D-[2- ² H]2,3-dihydroxypropanal)			
MW 91.08	C ₃ ² H ₅ O ₃	[478529-64-5]		
	<i>Supplied as an aqueous solution.</i>			
		0.25 g	\$ 990	
		0.5 g	\$ 1705	
		1 g	\$ 2955	

GLE-009	D-[3,3'- ² H ₂]glyceraldehyde (D-[3,3'- ² H ₂]2,3-dihydroxypropanal)			
MW 92.09	C ₃ ² H ₂ H ₄ O ₃	[478529-58-7]		
	<i>Supplied as an aqueous solution.</i>			
		0.25 g	\$ 620	
		0.5 g	\$ 990	
		1 g	\$ 1630	


GLE-010	D-[1,2,3,3'- ² H ₄]glyceraldehyde (D-[1,2,3,3'- ² H ₄]2,3-dihydroxypropanal)			
MW 94.10	C ₃ ² H ₄ H ₂ O ₃	[478529-60-1]		
	<i>Supplied as an aqueous solution.</i>			
		0.1 g	\$ 2900	
		0.25 g	\$ 5790	


GLE-011	DL-[1,2,3,3'- ² H ₄]glyceraldehyde (DL-[1,2,3,3'- ² H ₄]2,3-dihydroxypropanal)			
MW 94.10	C ₃ ² H ₄ H ₂ O ₃	[478529-62-3]		
	<i>Supplied as an aqueous solution.</i>			
		Request Price		


GLE-016	D-[UL- ¹³ C ₃]glyceraldehyde 3-phosphate			
MW 173.03	¹³ C ₃ H ₇ O ₆ P	[591-57-1]		
	<i>Supplied as an aqueous solution.</i>			
		Request Price		


D-glycero-D-galactoheptose
see mannoheptose page 80


D-glycero-D-guloheptonic acid
see α-D-glucoheptonic acid page 61


ALD-021	D-[1- ¹³ C]glycerol			
MW 93.09	¹³ CC ₂ H ₈ O ₃	[56-81-5] ^{UN}		
	<i>Supplied as an aqueous solution.</i>			
		0.25 g	\$ 645	
		0.5 g	\$ 1015	
		1 g	\$ 11630	


ALD-022	DL-[1- ¹³ C]glycerol			
MW 93.09	¹³ CC ₂ H ₈ O ₃	[98292-00-3]		
	<i>Supplied as an aqueous solution.</i>			
		0.25 g	\$ 205	
		0.5 g	\$ 330	
		1 g	\$ 525	

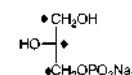
ALD-023	[2- ¹³ C]glycerol			
MW 93.09	¹³ CC ₂ H ₈ O ₃	[82425-96-5]		
	<i>Supplied as an aqueous solution.</i>			
		0.25 g	\$ 220	
		0.5 g	\$ 355	
		1 g	\$ 600	

ALD-024	D-[3- ¹³ C]glycerol			
MW 93.09	¹³ CC ₂ H ₈ O ₃	[154278-20-3]		
	<i>Supplied as an aqueous solution.</i>			
		0.25 g	\$ 960	
		0.5 g	\$ 1545	
		1 g	\$ 2510	


ALD-025	[1,3- ¹³ C ₂]glycerol			
MW 94.08	¹³ C ₂ CH ₈ O ₃	[102088-01-7]		
	<i>Supplied as an aqueous solution.</i>			
		0.25 g	\$ 1005	
		0.5 g	\$ 1575	
		1 g	\$ 2510	


ALD-026	[1,2,3- ¹³ C ₃]glycerol			
MW 95.07	¹³ C ₃ H ₈ O ₃	[63346-81-6]		
	<i>Supplied as an aqueous solution.</i>			
		0.25 g	\$ 280	
		0.5 g	\$ 500	
		1 g	\$ 920	


ALD-084	[2- ² H]glycerol			
MW 93.10	C ₃ H ₇ ² HO ₃	98		
		0.1 g	\$ 280	

ALD-079	sn-[UL- ¹³ C ₃]glycerol 3-phosphate disodium salt (L-[UL- ¹³ C ₃]glycerol 3-phosphate disodium salt)			
MW 219.01	¹³ C ₃ H ₇ Na ₂ O ₆ P	[17989-41-2]		
	<i>Supplied as an aqueous solution. CAS is for unlabeled, free acid compound.</i>			
		0.01 g	\$ 220	
		0.025 g	\$ 430	
		0.05 g	\$ 785	

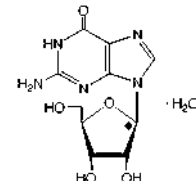
<i>glycero</i> -tetrulose			
see erythrulose page 45			

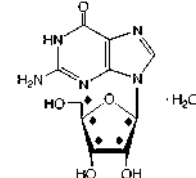
GLO-001	[1- ¹³ C]glycolaldehyde			
MW 61.05	¹³ CCH ₄ O ₂	[71122-42-4]		
	<i>Supplied as an aqueous solution.</i>			
		0.25 g	\$ 515	
		0.5 g	\$ 855	
		1 g	\$ 1430	

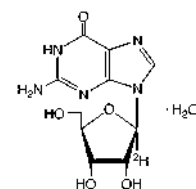
GLO-002	[2- ¹³ C]glycolaldehyde			
MW 61.05	¹³ CCH ₄ O ₂	[478529-67-8]		
	<i>Supplied as an aqueous solution.</i>			
		0.25 g	\$ 970	
		0.5 g	\$ 1605	
		1 g	\$ 2660	

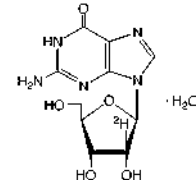
GLO-003	[1,2- ¹³ C ₂]glycolaldehyde			
MW 62.04	¹³ C ₂ H ₄ O ₂	[478529-69-0]		
	<i>Supplied as an aqueous solution.</i>			
		0.25 g	\$ 1020	
		0.5 g	\$ 1695	
		1 g	\$ 2805	

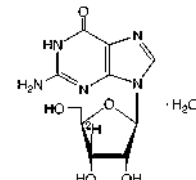
GM3 trisaccharide sodium salt
see sialyl-lactose page 10

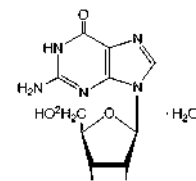
NUC-042	[1'- ¹³ C]guanosine monohydrate			
MW 302.25	¹³ CC ₉ H ₁₃ N ₅ O ₅ ·H ₂ O	[478511-32-9]		
		0.05 g	\$ 1305	
		0.1 g	\$ 2395	

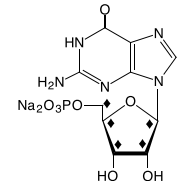
NUC-063	[1',2',3',4',5'- ¹³ C ₅]guanosine monohydrate			
MW 306.22	¹³ C ₅ C ₅ H ₁₃ N ₅ O ₅ ·H ₂ O	[118-00-3] ^{UN}		
		0.01 g	\$ 545	
		0.025 g	\$ 1075	
		0.05 g	\$ 1960	
		0.1 g	\$ 3690	

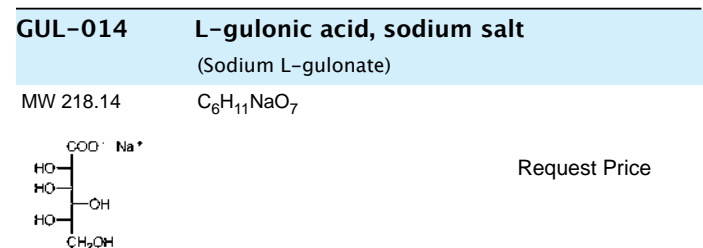
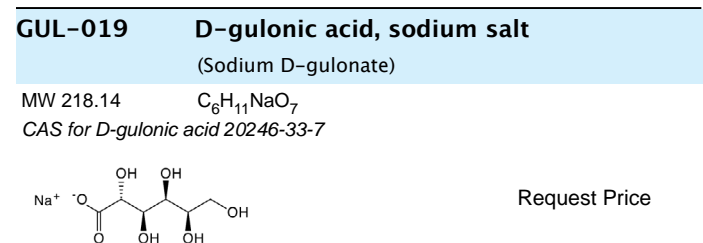
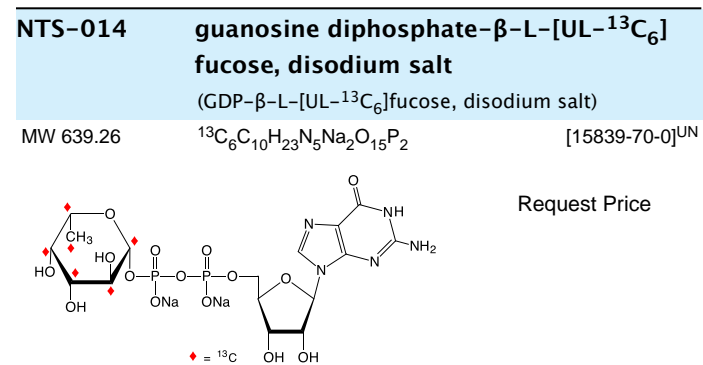
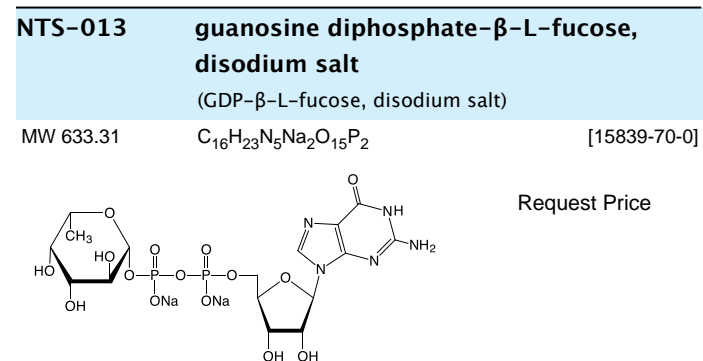
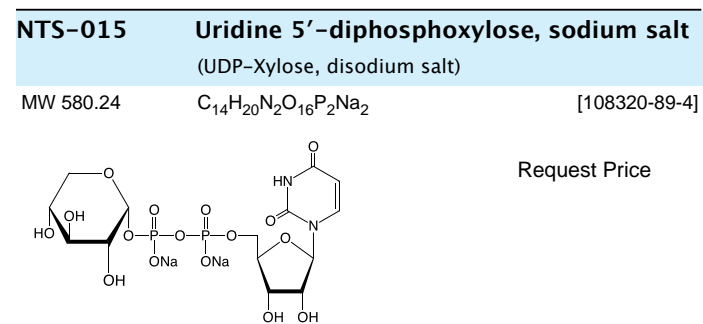
NUC-051	[1'- ² H]guanosine monohydrate			
MW 302.26	C ₁₀ ² HH ₁₂ N ₅ O ₅ ·H ₂ O	[118-00-3] ^{UN}		
		0.05 g	\$ 1335	
		0.1 g	\$ 2465	

NUC-065	[2'- ² H]guanosine monohydrate			
MW 302.26	C ₁₀ ² HH ₁₂ N ₅ O ₅ ·H ₂ O	[118-00-3] ^{UN}		
	97 atom-% ² H			
		0.025 g	\$ 895	

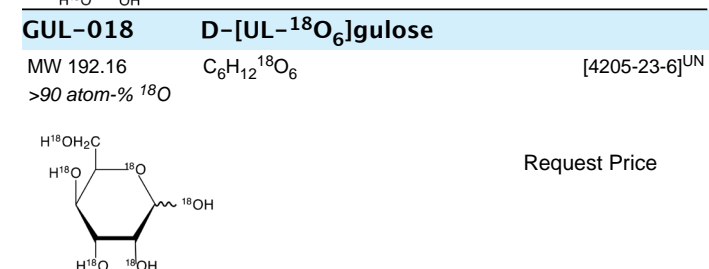
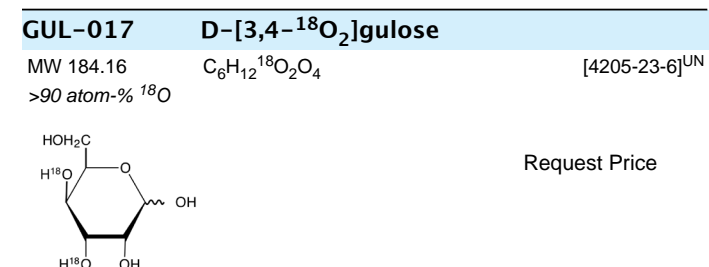
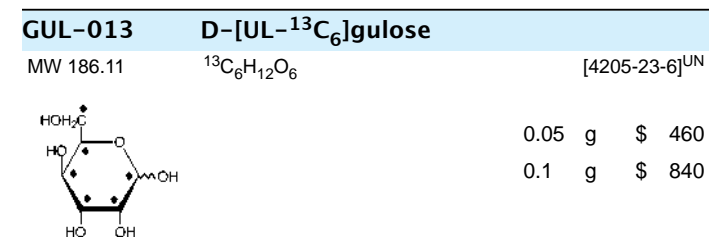
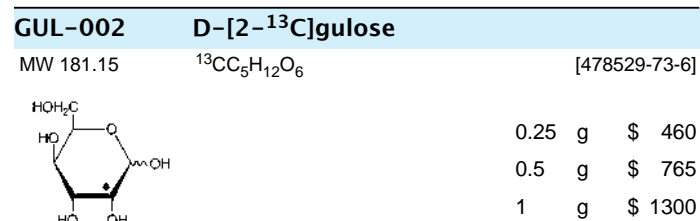
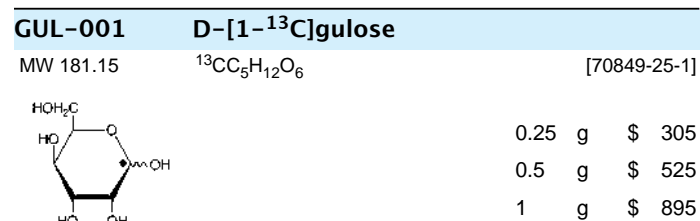
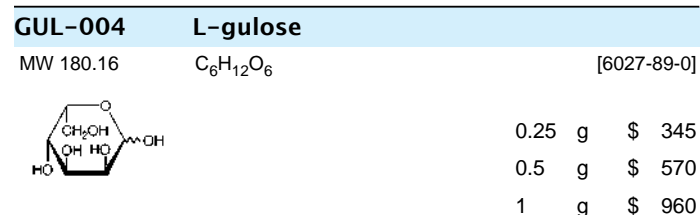
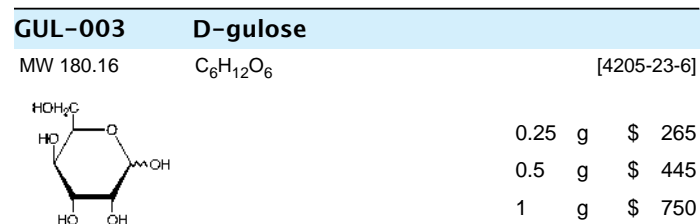
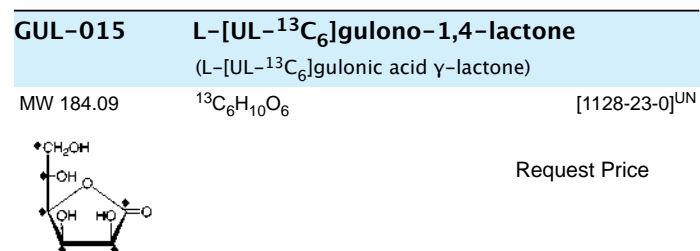
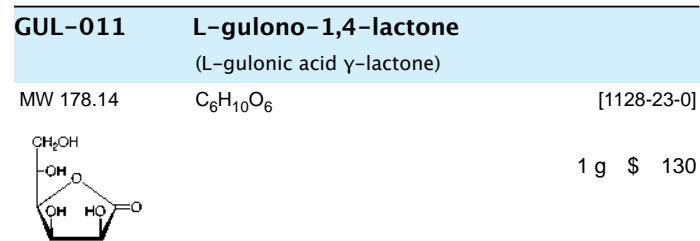
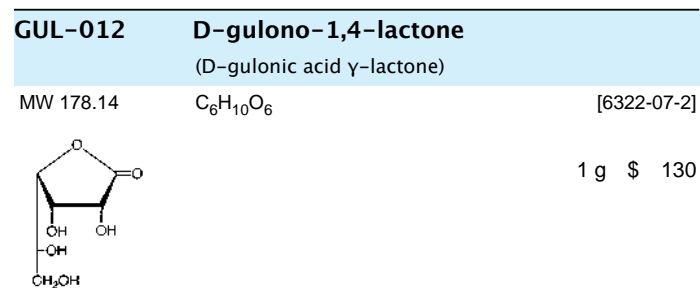
NUC-066	[3'- ² H]guanosine monohydrate			
MW 302.26	C ₁₀ ² HH ₁₂ N ₅ O ₅ ·H ₂ O	[118-00-3] ^{UN}		
	97 atom-% ² H			
		Request Price		

NUC-043	[5',5''- ² H ₂]guanosine monohydrate			
MW 303.27	C ₁₀ ² H ₂ H ₁₁ N ₅ O ₅ ·H ₂ O	[478511-34-1]		
		0.05 g	\$ 1305	
		0.1 g	\$ 2395	

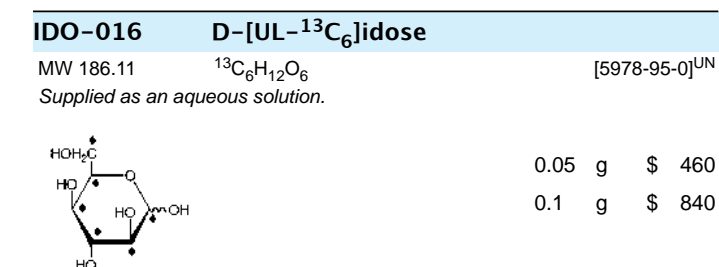
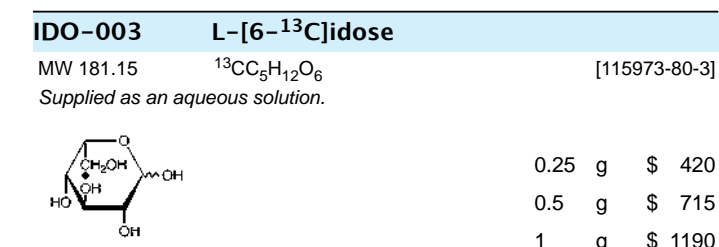
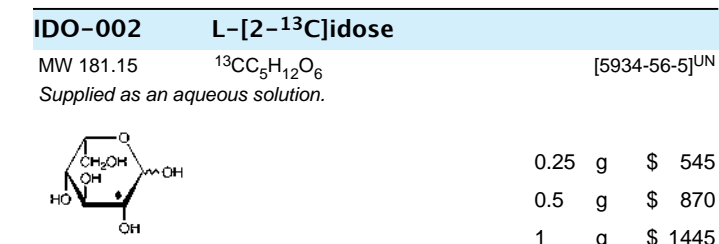
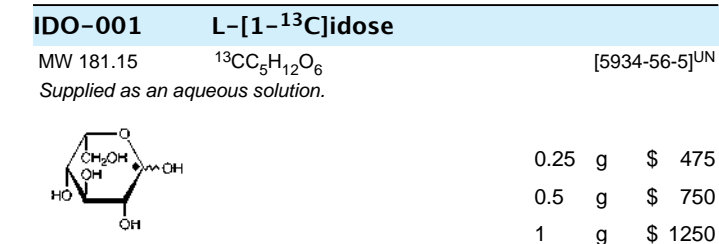
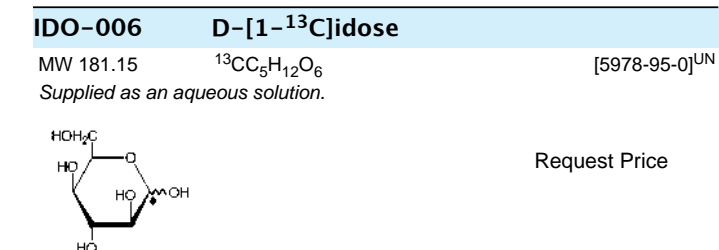
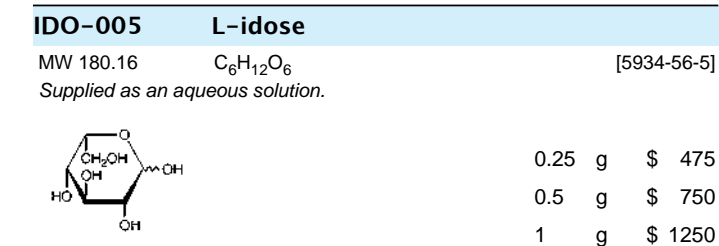
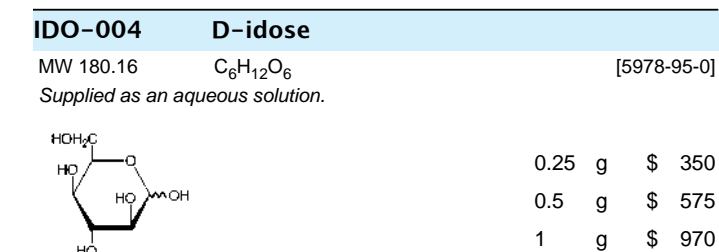
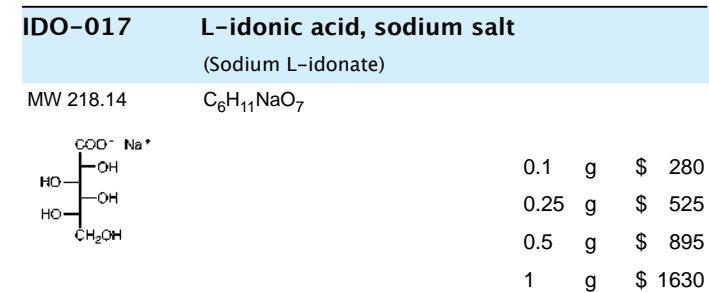
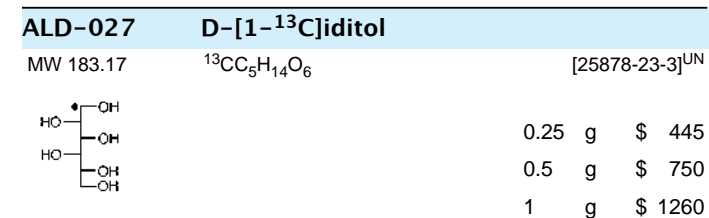
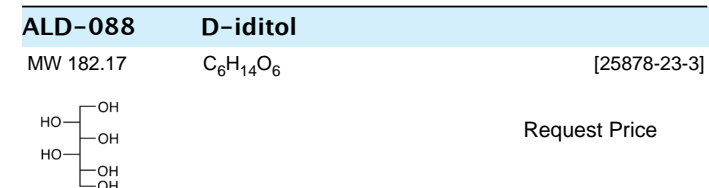
NCT-005	[1',2',3',4',5'- ¹³ C ₅]guanosine 5'-monophosphate disodium salt hydrate ([1',2',3',4',5'- ¹³ C ₅]5'-guanylic acid disodium salt hydrate)			
MW 412.20	¹³ C ₅ C ₅ H ₁₂ N ₅ Na ₂ O ₈ P·(H ₂ O) _x	[5550-12-9] ^{UN}		
	<i>MW is on anhydrous basis. CAS is for unlabeled, anhydrous compound.</i>			
		Request Price		

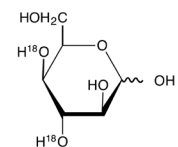


gulonic acid lactone
see gulono-lactone page 72

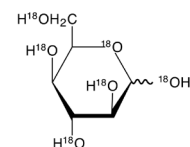


hexaacetylchitohexase
see N-acetylglucosamine oligomers page 22



IDO-019 D-[3,4-¹⁸O₂]idoseMW 184.16 C₆H₁₂¹⁸O₄ [5978-95-0]^{UN}
>90 atom-% ¹⁸O Supplied as an aqueous solution.

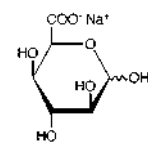
Request Price

IDO-020 D-[UL-¹⁸O₆]idoseMW 192.16 C₆H₁₂¹⁸O₆ [5978-95-0]^{UN}
>90 atom-% ¹⁸O

Request Price

IDO-013 D-iduronic acid, sodium salt

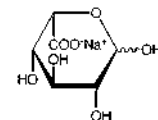
(Sodium D-iduronate)

MW 216.12 C₆H₉NaO₇

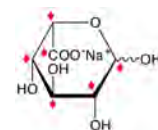
0.05 g \$ 305

IDO-014 L-iduronic acid, sodium salt

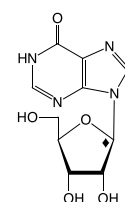
(Sodium L-iduronate)

MW 216.12 C₆H₉NaO₇ [2073-35-0]

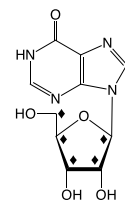
Request Price

IDO-018 L-[UL-¹³C₆]iduronic acid, sodium salt(Sodium L-[UL-¹³C₆]iduronate)MW 222.07 ¹³C₆H₉NaO₇ [2073-35-0]^{UN}

Request Price

NUC-074 [1-¹³C]inosineMW 269.22 ¹³CC₉H₁₂N₄O₅ [58-63-9]^{UN}

Request Price

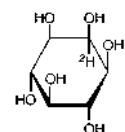
NUC-072 [1',2',3',4',5'-¹³C₅]inosineMW 273.19 ¹³C₅C₅H₁₂N₄O₅ [58-63-9]^{UN}

0.01 g \$ 380

0.025 g \$ 750

0.05 g \$ 1230

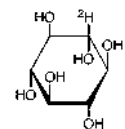
0.1 g \$ 2225

ALD-028 [2-²H]myo-inositolMW 181.16 C₆²H₁₁O₆ [87-89-8]^{UN}

0.05 g \$ 250

0.1 g \$ 575

0.25 g \$ 1120

ALD-066 [1-²H]scyllo-inositolMW 181.16 C₆²H₁₁O₆ [488-59-5]^{UN}

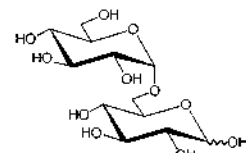
0.05 g \$ 350

0.1 g \$ 575

0.25 g \$ 1120

DIS-014 isomaltose

(6-O-α-D-glucopyranosyl-D-glucose)

MW 342.30 C₁₂H₂₂O₁₁ [499-40-1]

0.1 g \$ 200

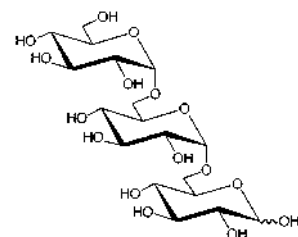
0.25 g \$ 390

0.5 g \$ 645

1 g \$ 1025

TRI-013 isomaltotriose

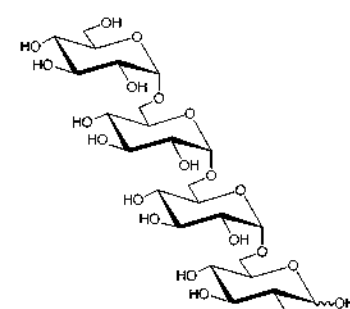
(αD-Glcp(1→6)αD-Glcp(1→6)D-Glcp)

MW 504.44 C₁₈H₃₂O₁₆ [3371-50-4]

Request Price

TET-012 isomaltotetraose

(αD-Glcp(1→6)αD-Glcp(1→6)αD-Glcp(1→6)D-Glcp)

MW 666.58 C₂₄H₄₂O₂₁ [35997-20-7]

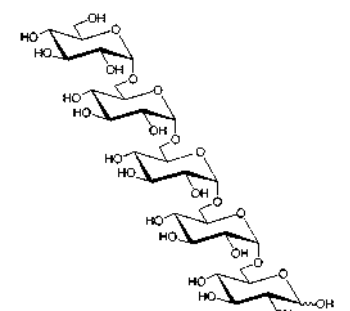
0.05 g \$ 380

0.1 g \$ 600

0.25 g \$ 1190

PEN-010 isomaltopentaose

(Glcα-6Glcα-6Glcα-6Glcα-6Glc)

MW 828.72 C₃₀H₅₂O₂₆ [6082-32-2]

0.005 g \$ 345

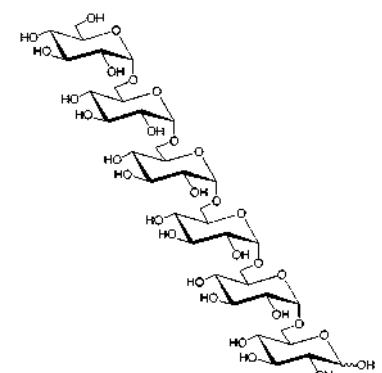
0.01 g \$ 545

0.025 g \$ 1075

0.05 g \$ 2020

HEX-006 isomaltohexaose

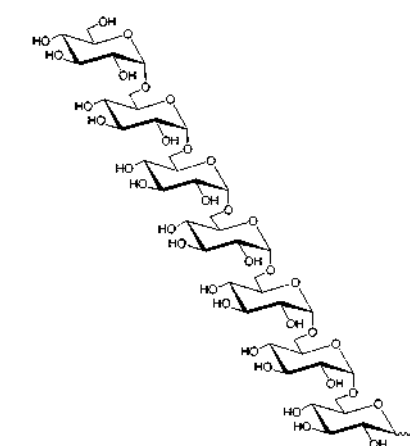
(Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glc)

MW 990.86 C₃₆H₆₂O₃₁ [6175-02-6]

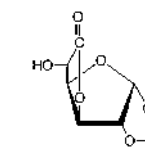
0.01 g \$ 750

OLI-004 isomaltoheptaose

(Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glc)

MW 1153.00 C₄₂H₇₂O₃₆ [6513-12-8]

0.01 g \$ 1335

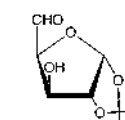
GLC-043 1,2-O-isopropylidene-α-D-glucurono-6,3-lactoneMW 216.19 C₉H₁₂O₆ [20513-98-8]

0.5 g \$ 130

1 g \$ 235

XYL-002 1,2-O-isopropylidene-α-D-xylo-pentodialdo-1,4-furanoseMW 188.18 C₈H₁₂O₅ [53167-11-6]

Supplied as a crystalline dimer, MW 376.4.



0.5 g \$ 130

1 g \$ 235

isorbide

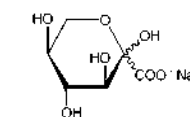
see dianhydro D-glucitol page 44

2-keto-3-deoxy-glucose

see 3-deoxy-D-glucosone page 42

2-keto-D-glucose

see glucosone page 67

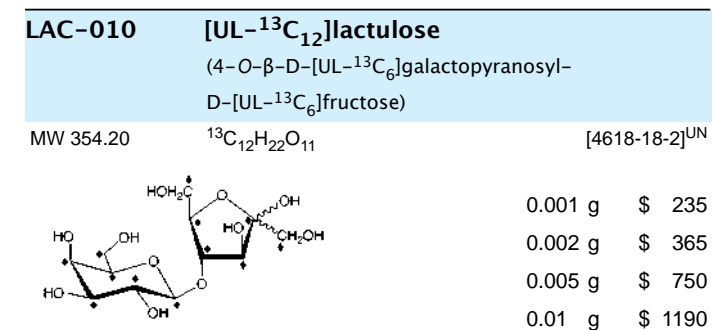
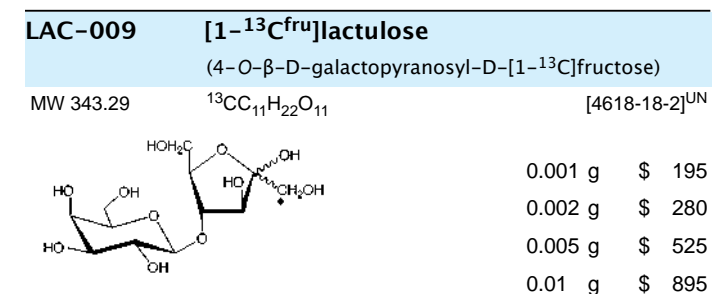
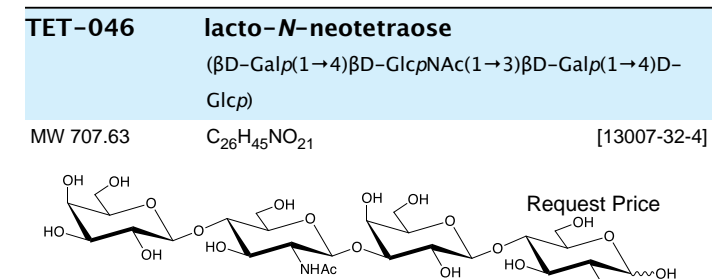
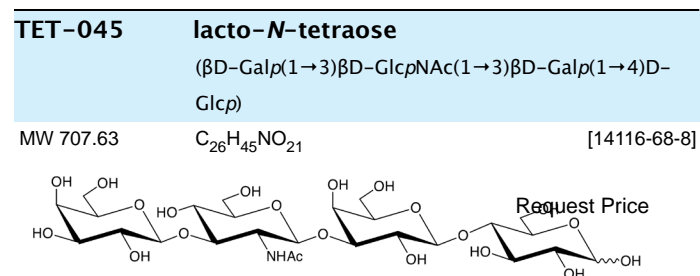
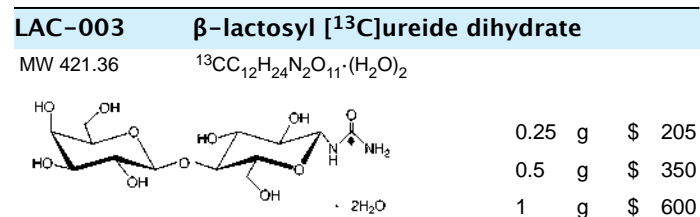
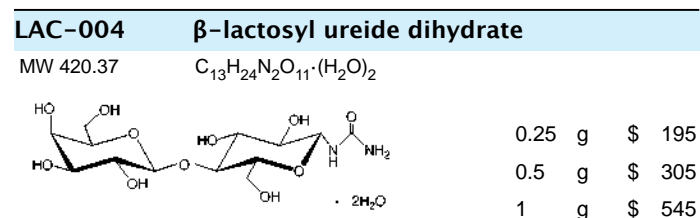
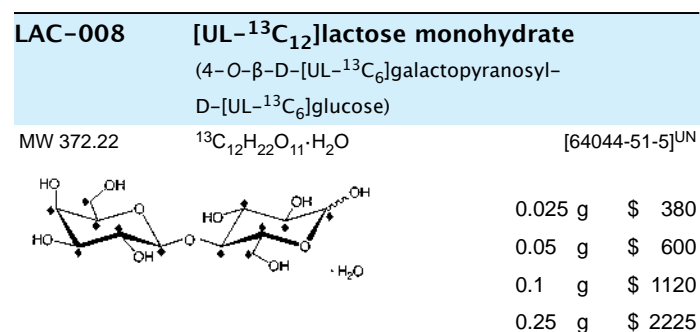
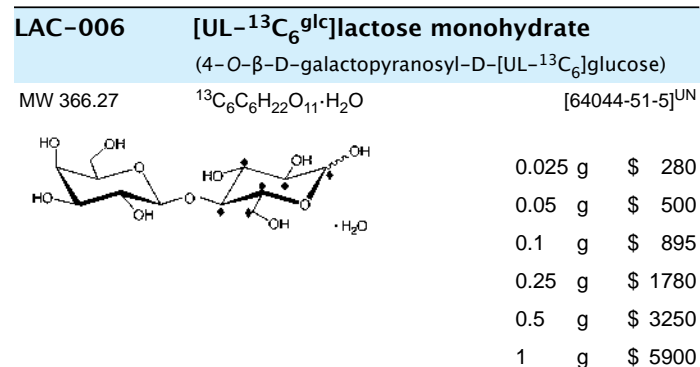
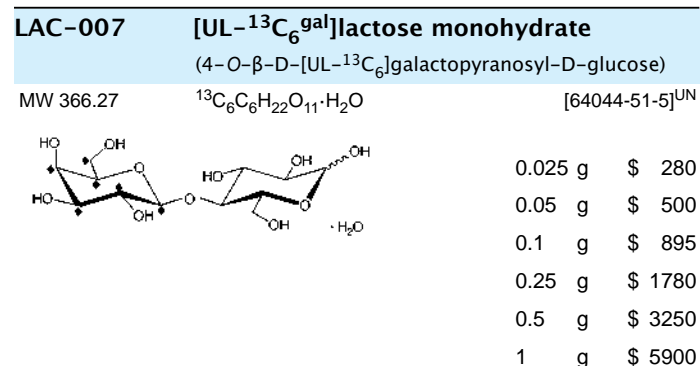
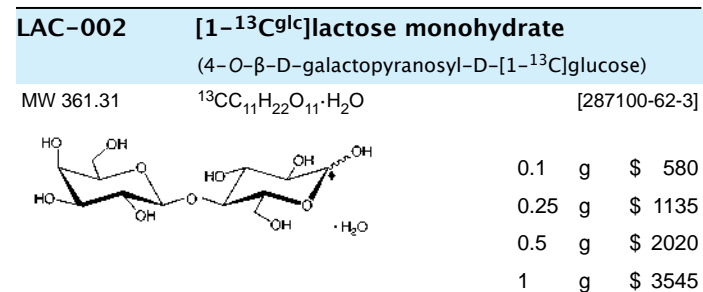
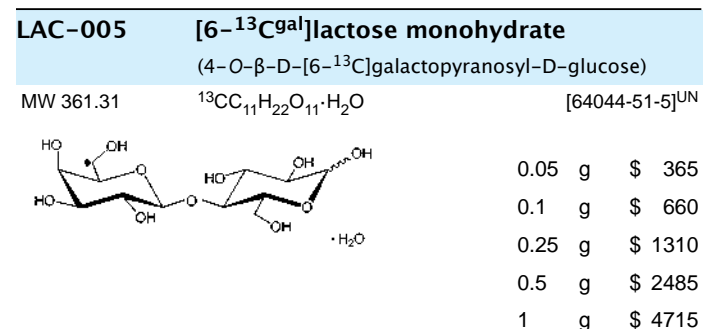
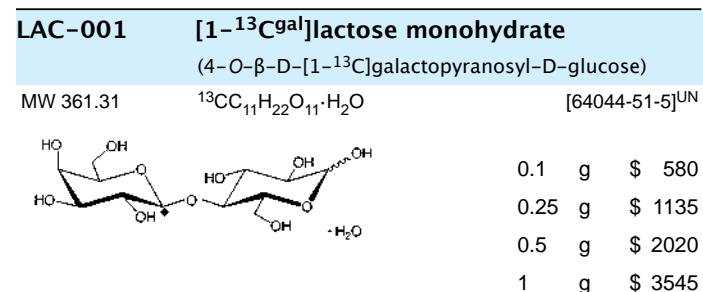
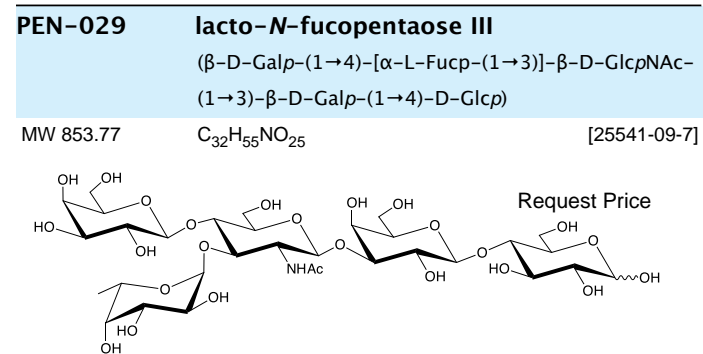
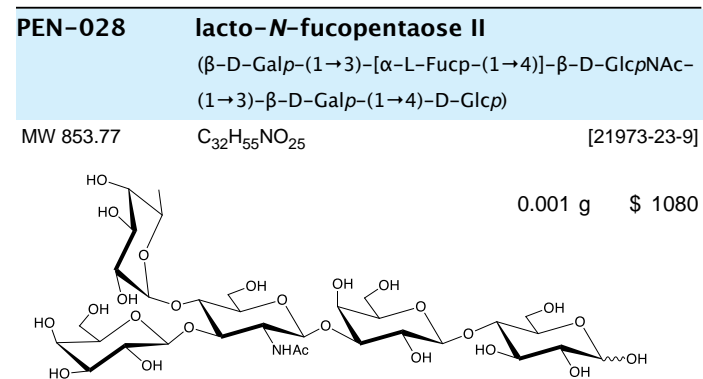
GUL-016 2-keto-L-gulonic acid, sodium saltMW 216.12 C₆H₉NaO₇

0.5 g \$ 460

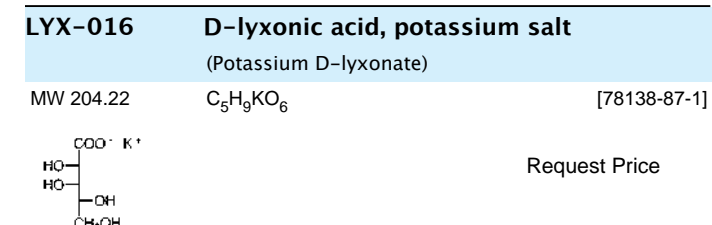
1 g \$ 750

2-keto-L-xylose

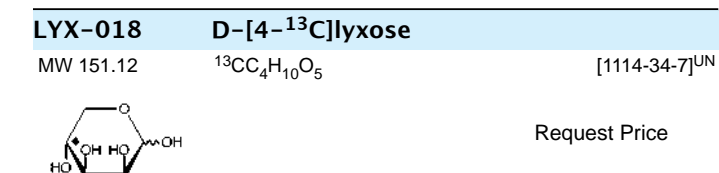
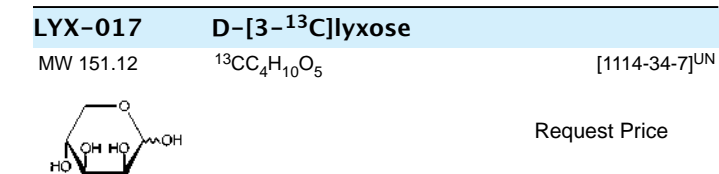
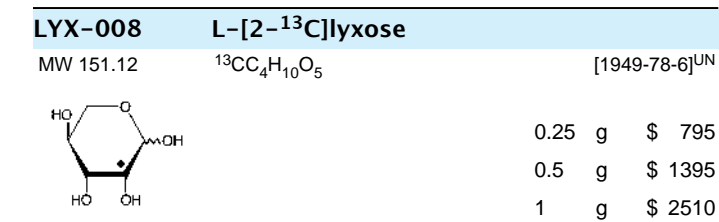
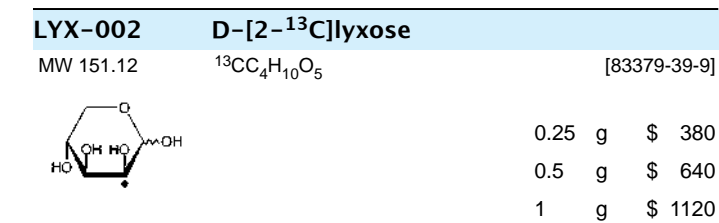
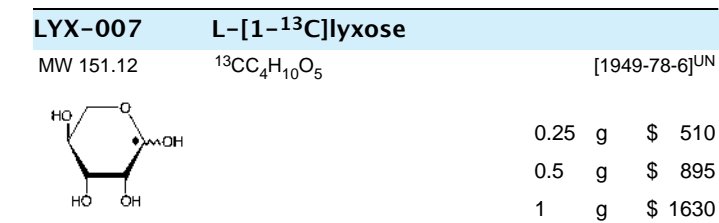
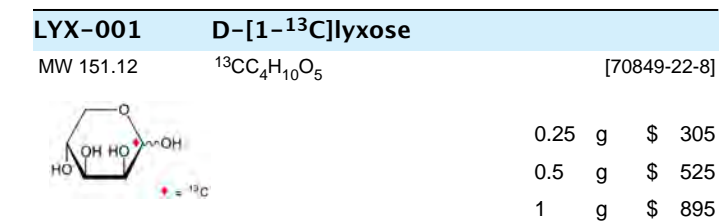
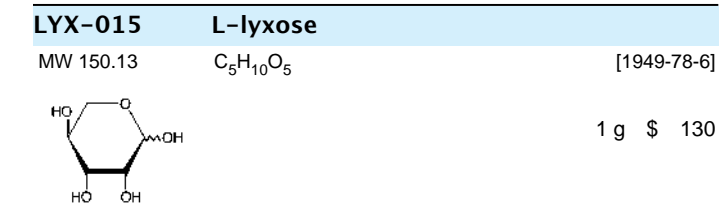
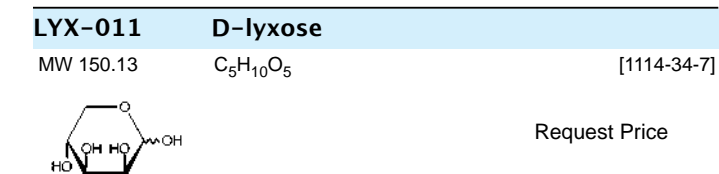
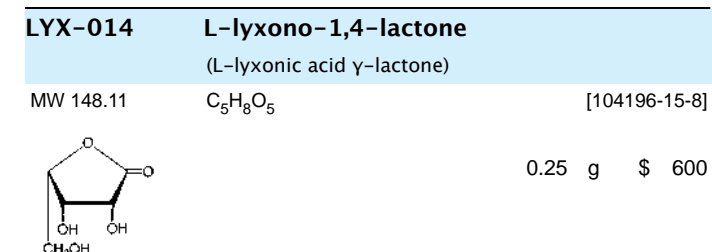
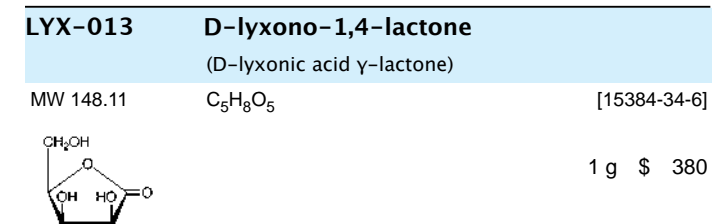
see xylosone page 116



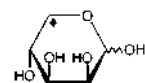
lyxitol
 see arabinitol page 33



lyxonic acid lactone
 see lyxono-lactone page 77

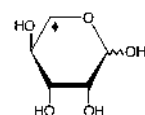


LYX-003 **D-[5-¹³C]lyxose**
MW 151.12 ¹³C₄H₁₀O₅ [139657-61-7]



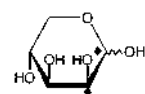
0.25 g \$ 970
0.5 g \$ 1410
1 g \$ 2365

LYX-009 **L-[5-¹³C]lyxose**
MW 151.12 ¹³C₄H₁₀O₅ [1949-78-6]^{UN}



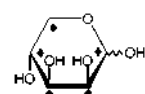
0.1 g \$ 1170
0.25 g \$ 2700

LYX-004 **D-[1,2-¹³C₂]lyxose**
MW 152.11 ¹³C₂H₃H₁₀O₅ [1114-34-7]^{UN}



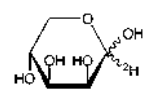
0.25 g \$ 570
0.5 g \$ 940
1 g \$ 1630

LYX-010 **D-[UL-¹³C₅]lyxose**
MW 155.09 ¹³C₅H₁₀O₅ [1114-34-7]^{UN}



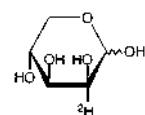
0.25 g \$ 870
0.5 g \$ 1560
1 g \$ 2805

LYX-005 **D-[1-²H]lyxose**
MW 151.14 C₅²H₉O₅ [288846-88-8]



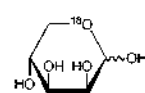
0.25 g \$ 345
0.5 g \$ 545
1 g \$ 895

LYX-006 **D-[2-²H]lyxose**
MW 151.14 C₅²H₉O₅ [1114-34-7]^{UN}



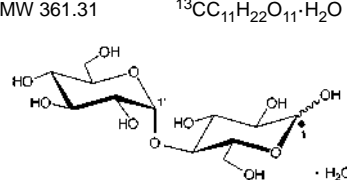
0.25 g \$ 365
0.5 g \$ 600
1 g \$ 1045

LYX-019 **D-[5-¹⁸O]lyxose**
MW 152.13 C₅H₁₀¹⁸O₄ [1114-34-7]^{UN}
>90 atom-% ¹⁸O



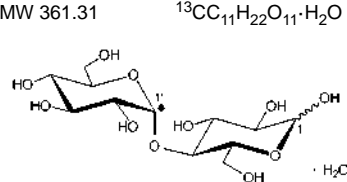
Request Price

MAL-001 **[1-¹³C]maltose monohydrate**
(4-O-α-D-glucopyranosyl-D-[1-¹³C]glucose)
MW 361.31 ¹³CC₁₁H₂₂O₁₁·H₂O [6363-53-7]^{UN}



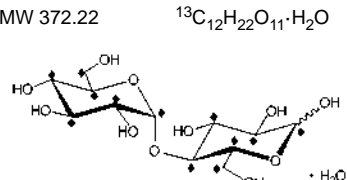
0.05 g \$ 430
0.1 g \$ 675
0.25 g \$ 1320
0.5 g \$ 2500
1 g \$ 4760

MAL-003 **[1'-¹³C]maltose monohydrate**
(4-O-α-D-[1-¹³C]glucopyranosyl-D-glucose)
MW 361.31 ¹³CC₁₁H₂₂O₁₁·H₂O [6363-53-7]^{UN}



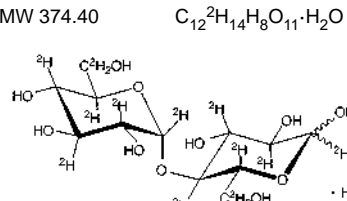
Request Price

MAL-002 **[UL-¹³C₁₂]maltose monohydrate**
(4-O-α-D-[UL-¹³C₆]glucopyranosyl-D-[UL-¹³C₆]glucose)
MW 372.22 ¹³C₁₂H₂₂O₁₁·H₂O [6363-53-7]^{UN}



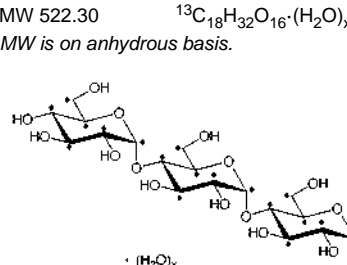
0.05 g \$ 675

MAL-004 **[UL-²H₁₄]maltose monohydrate**
(4-O-α-D-[UL-²H₇]glucopyranosyl-D-[UL-²H₇]glucose)
MW 374.40 C₁₂²H₁₄H₈O₁₁·H₂O [6363-53-7]^{UN}



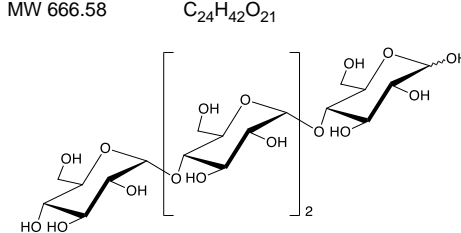
0.05 g \$ 825

TRI-004 **[UL-¹³C₁₈]maltotriose hydrate**
([UL-¹³C₆]Glc(α1-4)[UL-¹³C₆]Glc(α1-4)[UL-¹³C₆]Glc)
MW 522.30 ¹³C₁₈H₃₂O₁₆·(H₂O)_x [207511-08-8]^{UN}
MW is on anhydrous basis.



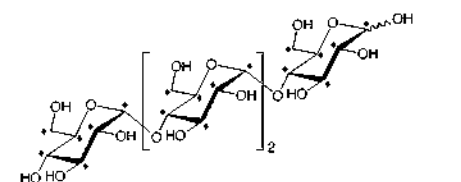
0.01 g \$ 600
0.025 g \$ 1190

TET-017 **maltotetraose**
(αD-Glcp(1→4)αD-Glcp(1→4)αD-Glcp(1→4)D-Glcp)
MW 666.58 C₂₄H₄₂O₂₁ [34612-38-9]



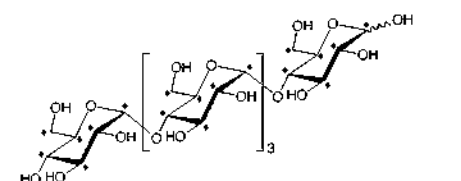
Request Price

TET-013 **[UL-¹³C₂₄]maltotetraose**
MW 690.39 ¹³C₂₄H₄₂O₂₁ [34612-38-9]^{UN}



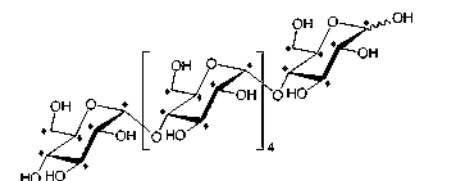
Request Price

PEN-011 **[UL-¹³C₃₀]maltopentaose**
MW 858.49 ¹³C₃₀H₅₂O₂₆ [34620-76-3]^{UN}



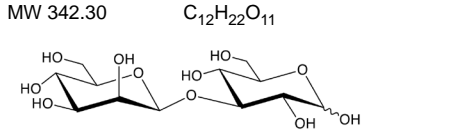
Request Price

HEX-007 **[UL-¹³C₃₆]maltohexaose**
MW 1026.58 ¹³C₃₆H₆₂O₃₁ [34620-77-4]^{UN}



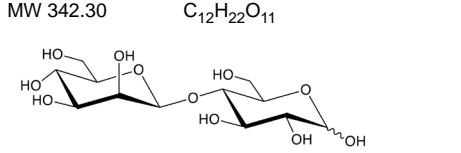
Request Price

DIS-095 **Manβ-3Glc**
(β-1,3-mannosylglucose)
MW 342.30 C₁₂H₂₂O₁₁



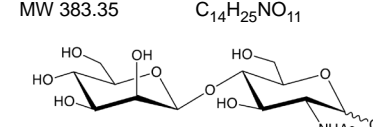
0.005 g \$ 440
0.025 g \$ 1300
0.05 g \$ 1845

DIS-094 **Manβ-4Glc**
(β-1,4-mannosylglucose)
MW 342.30 C₁₂H₂₂O₁₁



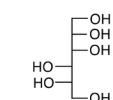
0.005 g \$ 440
0.025 g \$ 1300
0.05 g \$ 1845

DIS-097 **Manβ1-4GlcNAc**
(β-1,4-mannosylNacetylglucosamine)
MW 383.35 C₁₄H₂₅NO₁₁ [856224-94-7]



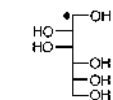
0.005 g \$ 730
0.02 g \$ 2295
0.03 g \$ 3025

ALD-089 **L-mannitol**
MW 181.60 C₆H₁₄O₆ [643-01-6]



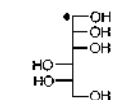
Request Price

ALD-029 **D-[1-¹³C]mannitol**
MW 183.17 ¹³CC₅H₁₄O₆ [132202-29-0]



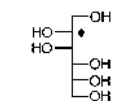
0.25 g \$ 165
0.5 g \$ 250
1 g \$ 365

ALD-064 **L-[1-¹³C]mannitol**
MW 183.17 ¹³CC₅H₁₄O₆ [643-01-6]^{UN}



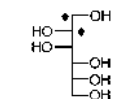
0.25 g \$ 405
0.5 g \$ 675
1 g \$ 1170

ALD-054 **D-[2-¹³C]mannitol**
MW 183.17 ¹³CC₅H₁₄O₆ [287100-69-0]



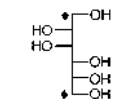
0.25 g \$ 405
0.5 g \$ 675
1 g \$ 1170

ALD-056 **D-[1,2-¹³C₂]mannitol**
MW 184.16 ¹³C₂C₄H₁₄O₆ [69-65-8]^{UN}

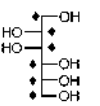


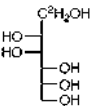
0.25 g \$ 430
0.5 g \$ 725
1 g \$ 1250

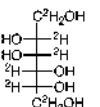
ALD-057 **D-[1,6-¹³C₂]mannitol**
MW 184.16 ¹³C₂C₄H₁₄O₆ [69-65-8]^{UN}

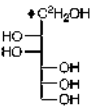


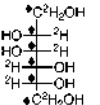
0.25 g \$ 785
0.5 g \$ 1250
1 g \$ 2075

ALD-030	D-[UL- ¹³ C ₆]mannitol			
MW 188.13	¹³ C ₆ H ₁₄ O ₆	[287112-34-9]		
			0.05 g	\$ 165
			0.1 g	\$ 250
			0.25 g	\$ 485
			0.5 g	\$ 840
			1 g	\$ 1485

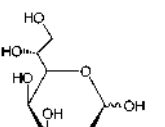
ALD-031	D-[1,1'- ² H ₂]mannitol			
MW 184.19	C ₆ ² H ₂ H ₁₂ O ₆	[69-65-8] ^{UN}		
			0.25 g	\$ 125
			0.5 g	\$ 195
			1 g	\$ 330

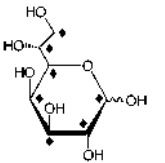
ALD-063	D-[UL- ² H ₈]mannitol			
MW 190.22	C ₆ ² H ₈ H ₆ O ₆	[69-65-8] ^{UN}		
			0.1 g	\$ 345
			0.25 g	\$ 660
			0.5 g	\$ 1190
			1 g	\$ 2225

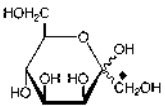
ALD-058	D-[1- ¹³ C;1,1'- ² H ₂]mannitol			
MW 185.18	¹³ CC ₅ ² H ₂ H ₁₂ O ₆	[69-65-8] ^{UN}		
			0.1 g	\$ 445
			0.25 g	\$ 870
			0.5 g	\$ 1470
			1 g	\$ 2485

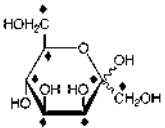
ALD-074	D-[UL- ¹³ C ₆ ;UL- ² H ₈]mannitol			
MW 196.17	¹³ C ₆ ² H ₈ H ₆ O ₆	[69-65-8] ^{UN}		
(D-[UL- ¹³ C ₆ ;1,1',2,3,4,5,6,6'- ² H ₈]mannitol)				
99 atom-% ¹³ C; 97 atom-% ² H				
		Request Price		

mannobiose
see Man-Man page 83

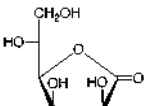
HEP-010	D-mannoheptose			
MW 210.18	C ₇ H ₁₄ O ₇	[7634-39-1]		
			0.25 g	\$ 235
			0.5 g	\$ 380
			1 g	\$ 600

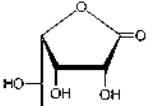
HEP-009	D-[UL- ¹³ C ₇]mannoheptose			
MW 217.12	¹³ C ₇ H ₁₄ O ₇	[7634-39-1] ^{UN}		
			0.01 g	\$ 235
			0.025 g	\$ 460
			0.05 g	\$ 825
			0.1 g	\$ 1485

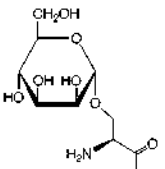
HEP-001	D-manno-[1- ¹³ C]hept-2-ulose			
MW 211.18	¹³ CC ₆ H ₁₄ O ₇			
			0.25 g	\$ 765
			0.5 g	\$ 1320
			1 g	\$ 2365

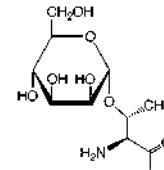
HEP-008	D-manno-[UL- ¹³ C ₇]hept-2-ulose			
MW 217.12	¹³ C ₇ H ₁₄ O ₇	[3615-44-9] ^{UN}		
			0.01 g	\$ 460
			0.025 g	\$ 895
			0.05 g	\$ 1630
			0.1 g	\$ 2955

mannonic acid lactone
see mannono-lactone page 80

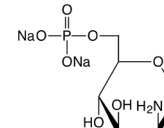
MAN-004	D-mannono-1,4-lactone			
MW 178.14	C ₆ H ₁₀ O ₆	[26301-79-1]		
			0.25 g	\$ 130
			0.5 g	\$ 195
			1 g	\$ 345

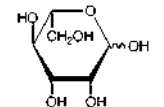
MAN-040	L-mannono-1,4-lactone			
MW 178.14	C ₆ H ₁₀ O ₆	[22430-23-5]		
			1 g	\$ 235

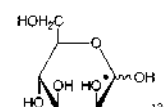
AAG-001	O-α-D-mannopyranosyl-L-serine			
MW 267.24	C ₉ H ₁₇ NO ₈	[78609-14-0]		
		Request Price		

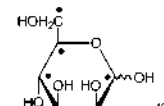
AAG-002	O-α-D-mannopyranosyl-L-threonine			
MW 281.26	C ₁₀ H ₁₉ NO ₈	[78609-12-8]		
			0.1 g	\$ 460
			0.25 g	\$ 870
			0.5 g	\$ 1430

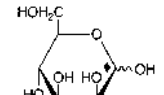
mannosamine
see 2-amino-2-deoxy-D-mannose page 32

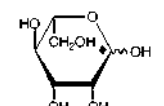
MAN-064	D-mannosamine-6-phosphate disodium salt			
MW 303.11	C ₆ H ₁₂ NNa ₂ O ₈ P			
		Request Price		

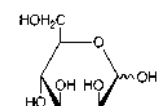
MAN-030	L-mannose			
MW 180.16	C ₆ H ₁₂ O ₆	[10030-80-5]		
			1 g	\$ 100

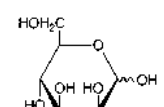
MAN-028	D-[1- ¹² C]mannose (¹³ C depleted at C1)			
MW 180.15	¹² CC ₅ H ₁₂ O ₆	[3458-28-4] ^{UN}		
99.9 atom-% ¹² C at C1				
		Request Price		

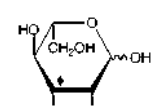
MAN-027	D-[UL- ¹² C ₆]mannose (¹³ C depleted)			
MW 180.09	¹² C ₆ H ₁₂ O ₆	[3458-28-4] ^{UN}		
99.9 atom-% ¹² C				
		Request Price		

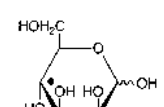
MAN-005	D-[1- ¹³ C]mannose			
MW 181.15	¹³ CC ₅ H ₁₂ O ₆	[70849-31-9]		
			0.5 g	\$ 175
			1 g	\$ 275

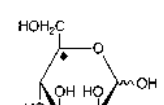
MAN-006	L-[1- ¹³ C]mannose			
MW 181.15	¹³ CC ₅ H ₁₂ O ₆	[10030-80-5] ^{UN}		
			0.25 g	\$ 205
			0.5 g	\$ 345
			1 g	\$ 580

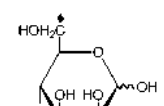
MAN-007	D-[2- ¹³ C]mannose			
MW 181.15	¹³ CC ₅ H ₁₂ O ₆	[70849-16-0]		
			0.25 g	\$ 345
			0.5 g	\$ 580
			1 g	\$ 970

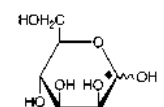
MAN-008	D-[3- ¹³ C]mannose			
MW 181.15	¹³ CC ₅ H ₁₂ O ₆	[101615-89-8]		
			0.25 g	\$ 750
			0.5 g	\$ 1300
			1 g	\$ 2225

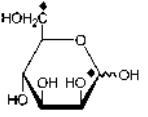
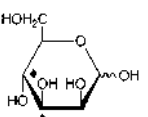
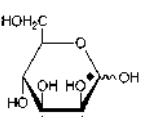
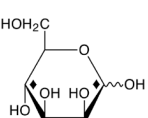
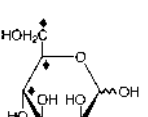
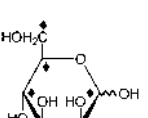
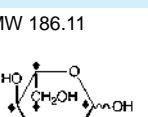
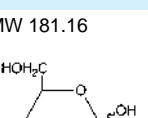
MAN-036	L-[3- ¹³ C]mannose			
MW 181.15	¹³ CC ₅ H ₁₂ O ₆	[10030-80-5] ^{UN}		
		Request Price		

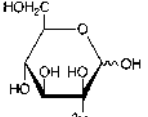
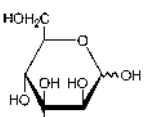
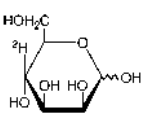
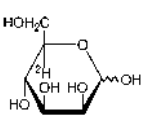
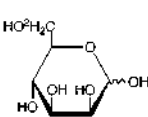
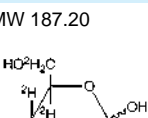
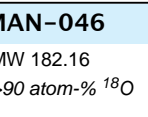
MAN-009	D-[4- ¹³ C]mannose			
MW 181.15	¹³ CC ₅ H ₁₂ O ₆	[3458-28-4] ^{UN}		
			0.25 g	\$ 825
			0.5 g	\$ 1470
			1 g	\$ 2660

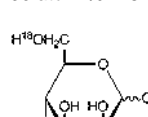
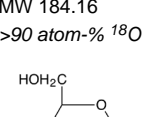
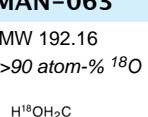
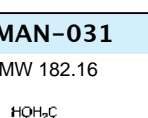
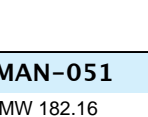
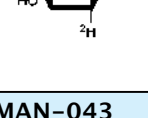
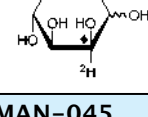
MAN-010	D-[5- ¹³ C]mannose			
MW 181.15	¹³ CC ₅ H ₁₂ O ₆	[3458-28-4] ^{UN}		
			0.25 g	\$ 870
			0.5 g	\$ 1560
			1 g	\$ 2805

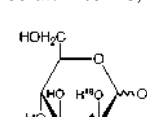
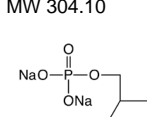
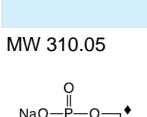
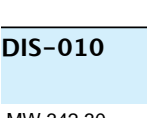
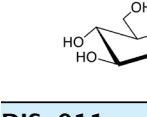
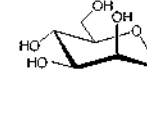
MAN-011	D-[6- ¹³ C]mannose			
MW 181.15	¹³ CC ₅ H ₁₂ O ₆	[115973-81-4]		
			0.25 g	\$ 510
			0.5 g	\$ 915
			1 g	\$ 1630

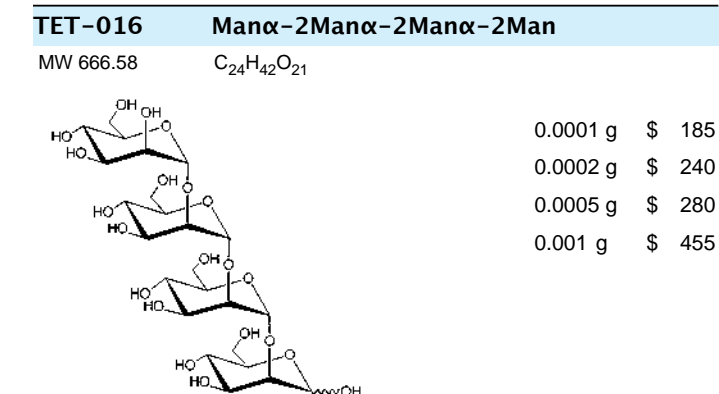
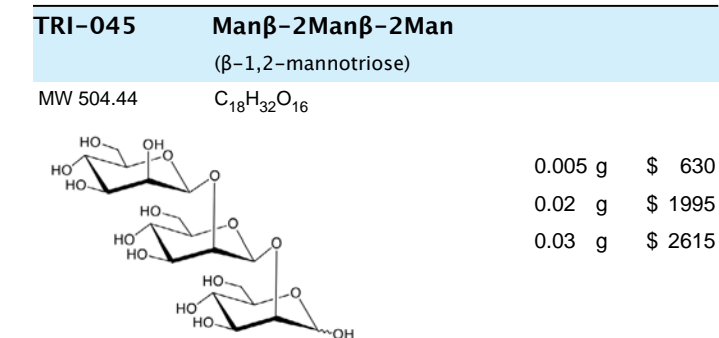
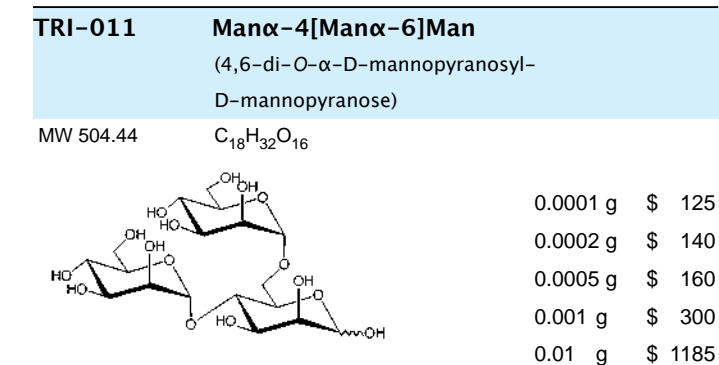
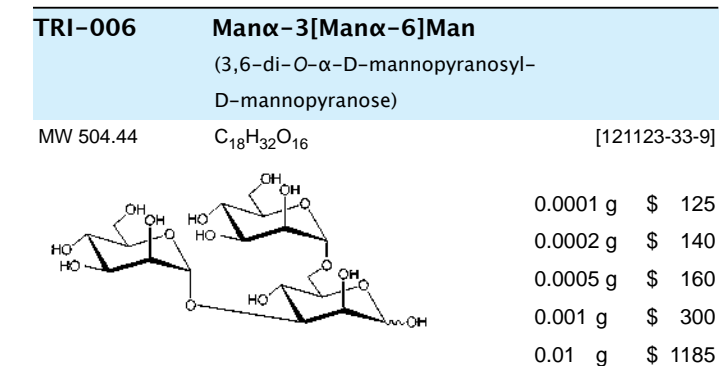
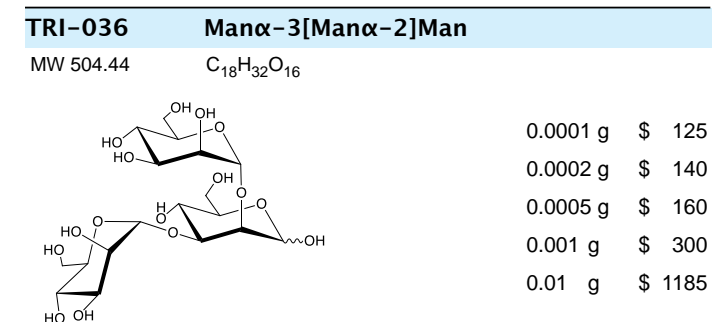
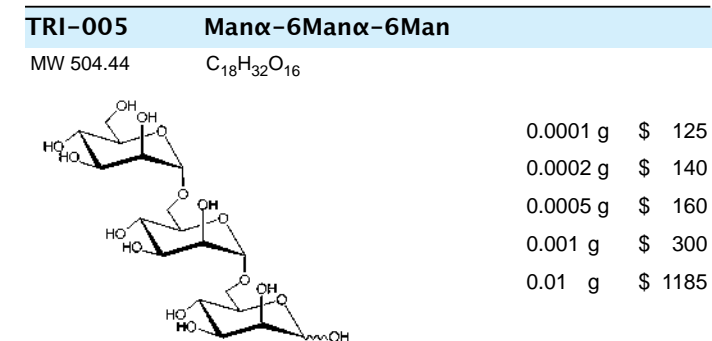
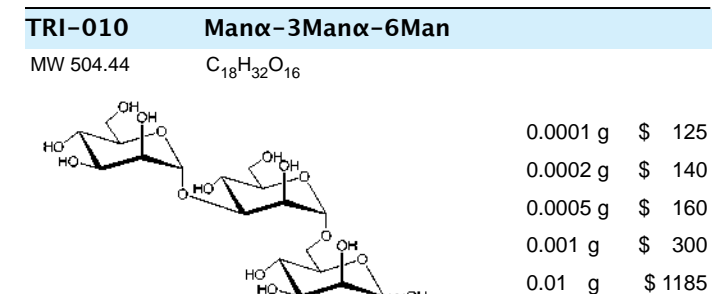
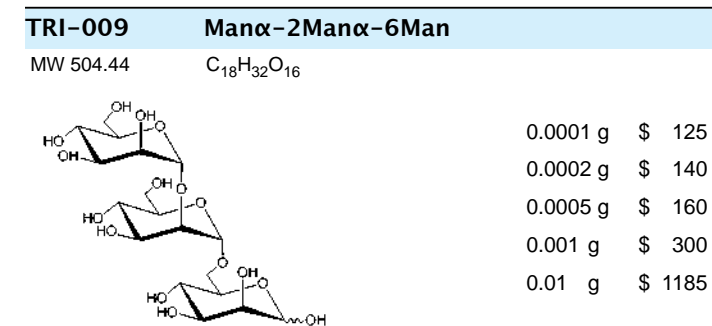
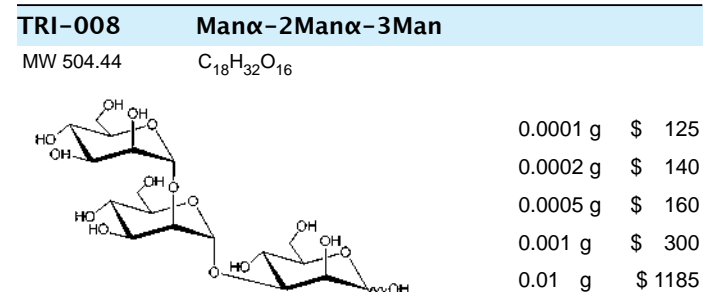
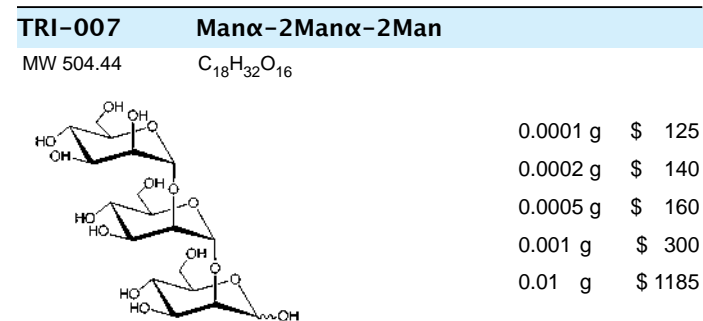
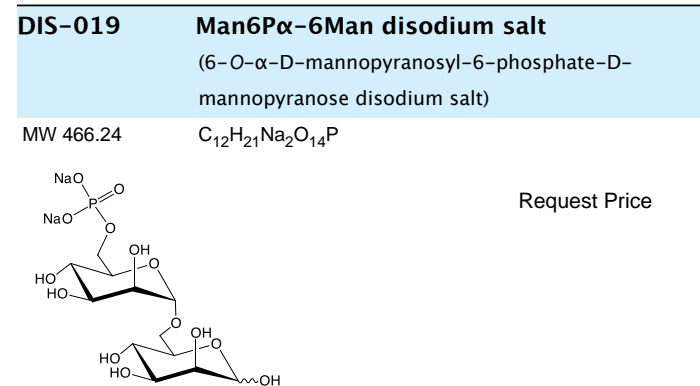
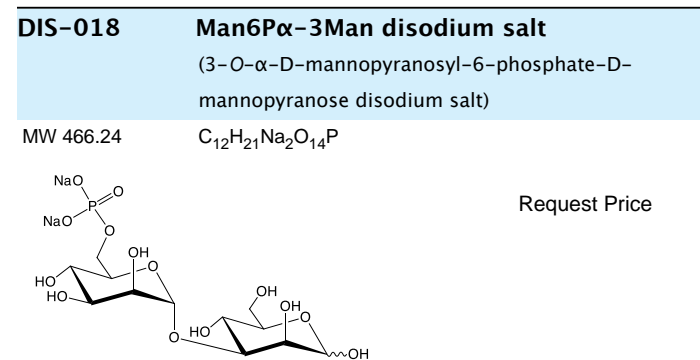
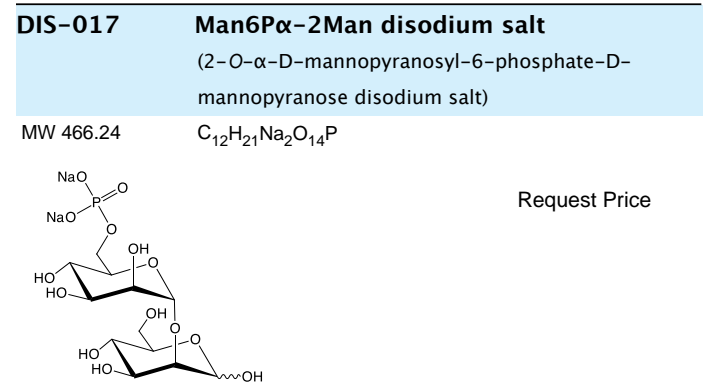
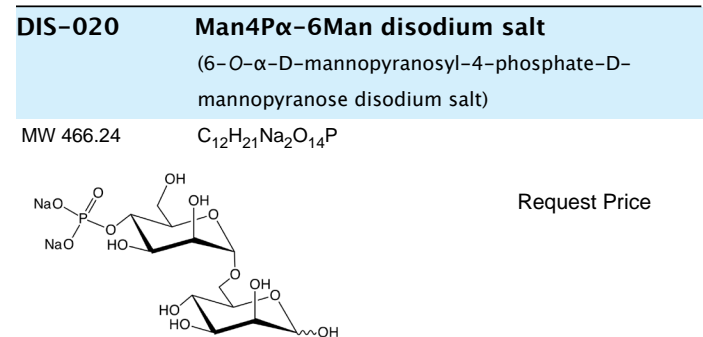
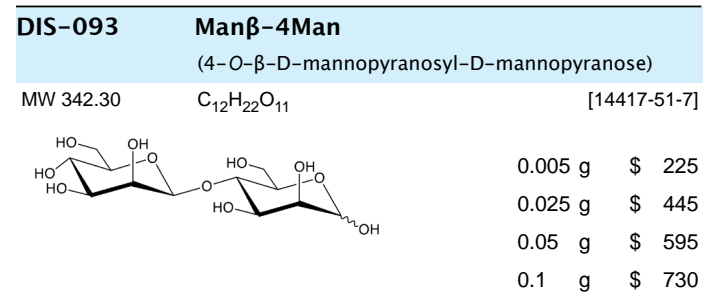
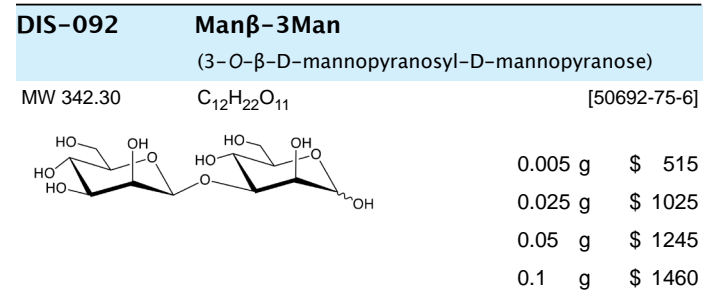
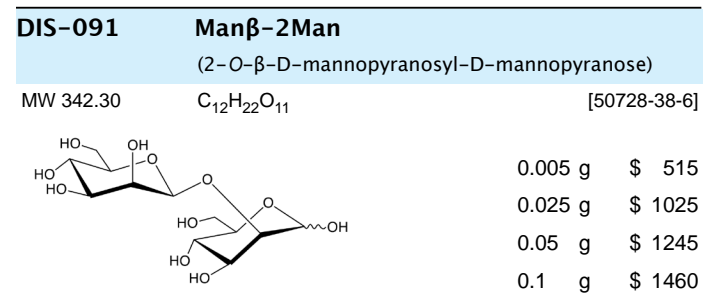
MAN-018	D-[1,2- ¹³ C ₂]mannose			
MW 182.14	¹³ C ₂ C ₄ H ₁₂ O ₆	[3458-28-4] ^{UN}		
			0.25 g	\$ 345
			0.5 g	\$ 580
			1 g	\$ 970

MAN-019	D-[1,6-¹³C₂]mannose			
MW 182.14	¹³ C ₂ C ₄ H ₁₂ O ₆	[3458-28-4]UN		
	0.25 g	\$ 750		
	0.5 g	\$ 1230		
	1 g	\$ 2145		
MAN-032	D-[3,4-¹³C₂]mannose			
MW 182.14	¹³ C ₂ C ₄ H ₁₂ O ₆	[3458-28-4]UN		
	0.1 g	\$ 675		
MAN-035	D-[1,2,3-¹³C₃]mannose			
MW 183.13	¹³ C ₃ C ₃ H ₁₂ O ₆	[3458-28-4]UN		
	0.25 g	\$ 850		
	0.5 g	\$ 1455		
	1 g	\$ 2510		
MAN-058	D-[1,2,4-¹³C₃]mannose			
MW 183.13	¹³ C ₃ C ₃ H ₁₂ O ₆	[3458-28-4]UN		
	Request Price			
MAN-039	D-[2,3,4,5,6-¹³C₅]mannose			
MW 185.12	¹³ C ₅ C ₁ H ₁₂ O ₆	[3458-28-4]UN		
	0.1 g	\$ 1395		
MAN-012	D-[UL-¹³C₆]mannose			
MW 186.11	¹³ C ₆ H ₁₂ O ₆	[287100-74-7]		
	0.1 g	\$ 180		
	0.25 g	\$ 345		
	0.5 g	\$ 580		
	1 g	\$ 970		
MAN-042	L-[UL-¹³C₆]mannose			
MW 186.11	¹³ C ₆ H ₁₂ O ₆	[10030-80-5]UN		
	Request Price			
MAN-013	D-[1-²H]mannose			
MW 181.16	C ₆ ² H ₁₁ O ₆	[288846-86-6]		
	0.25 g	\$ 165		
	0.5 g	\$ 210		
	1 g	\$ 295		

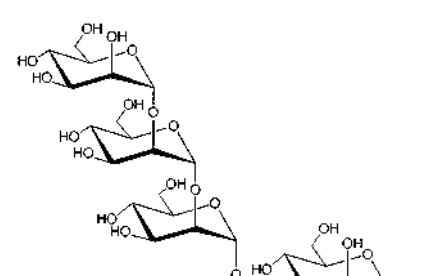
MAN-014	D-[2-²H]mannose			
MW 181.16	C ₆ ² H ₁₁ O ₆	[3458-28-4]UN		
	0.25 g	\$ 165		
	0.5 g	\$ 210		
	1 g	\$ 210		
MAN-024	D-[3-²H]mannose			
MW 181.16	C ₆ ² H ₁₁ O ₆	[3458-28-4]UN		
	0.25 g	\$ 895		
	0.5 g	\$ 1485		
	1 g	\$ 2660		
MAN-025	D-[4-²H]mannose			
MW 181.16	C ₆ ² H ₁₁ O ₆	[3458-28-4]UN		
	0.25 g	\$ 1310		
	0.5 g	\$ 2225		
	1 g	\$ 3915		
MAN-026	D-[5-²H]mannose			
MW 181.16	C ₆ ² H ₁₁ O ₆	[3458-28-4]UN		
	0.25 g	\$ 785		
	0.5 g	\$ 1250		
	1 g	\$ 2225		
MAN-015	D-[6,6'-²H₂]mannose			
MW 182.17	C ₆ ² H ₂ H ₁₀ O ₆	[3458-28-4]UN		
	0.25 g	\$ 195		
	0.5 g	\$ 305		
	1 g	\$ 525		
MAN-041	D-[UL-²H₇]mannose (D-[1,2,3,4,5,6,6'- ² H ₇]mannose)			
MW 187.20	C ₆ ² H ₇ H ₅ O ₆	[3458-28-4]UN		
	0.1 g	\$ 305		
	0.25 g	\$ 600		
	0.5 g	\$ 1075		
	1 g	\$ 1780		
MAN-046	D-[1-¹⁸O]mannose			
MW 182.16	C ₆ H ₁₂ ¹⁸ O ₅	[3458-28-4]UN		
>90 atom-% ¹⁸ O				
	Request Price			

MAN-052	D-[6-¹⁸O]mannose			
MW 182.16	C ₆ H ₁₂ ¹⁸ O ₅	[3458-28-4]UN		
>90 atom-% ¹⁸ O				
	0.05 g	\$ 750		
MAN-062	D-[3,4-¹⁸O₂]mannose			
MW 184.16	C ₆ H ₁₂ ¹⁸ O ₄	[3458-28-4]UN		
>90 atom-% ¹⁸ O				
	Request Price			
MAN-063	D-[UL-¹⁸O₆]mannose			
MW 192.16	C ₆ H ₁₂ ¹⁸ O ₆	[3458-28-4]UN		
>90 atom-% ¹⁸ O				
	Request Price			
MAN-031	D-[1-¹³C;1-²H]mannose			
MW 182.16	¹³ CC ₅ ² H ₁₁ O ₆	[3458-28-4]UN		
	0.1 g	\$ 235		
	0.25 g	\$ 460		
	0.5 g	\$ 825		
	1 g	\$ 1485		
MAN-051	D-[1-¹³C;2-²H]mannose			
MW 182.16	¹³ CC ₅ ² H ₁₁ O ₆	[3458-28-4]UN		
	0.1 g	\$ 460		
	0.25 g	\$ 895		
	0.5 g	\$ 1485		
	1 g	\$ 2660		
MAN-043	D-[2-¹³C;2-²H]mannose			
MW 182.16	¹³ CC ₅ ² H ₁₁ O ₆	[3458-28-4]UN		
	Request Price			
MAN-045	D-[UL-¹³C₆;UL-²H₇]mannose (D-[UL- ¹³ C ₆ ;1,2,3,4,5,6,6'- ² H ₇]mannose)			
MW 193.15	¹³ C ₆ ² H ₇ H ₅ O ₆	[3458-28-4]UN		
99 atom-% ¹³ C; 97 atom-% ² H				
	0.1 g	\$ 210		
	0.25 g	\$ 410		
	0.5 g	\$ 705		
	1 g	\$ 1190		

MAN-044	D-[2-¹³C;2-¹⁸O]mannose			
MW 183.15	¹³ CC ₅ H ₁₂ ¹⁸ O ₅	[3458-28-4]UN		
99 atom-% ¹³ C; 90 atom-% ¹⁸ O				
	Request Price			
MAN-056	D-mannose 6-phosphate disodium salt			
MW 304.10	C ₆ H ₁₁ Na ₂ O ₉ P	[33068-18-7]		
	0.05 g	\$ 165		
	0.1 g	\$ 250		
MAN-057	D-[UL-¹³C₆]mannose 6-phosphate disodium salt			
MW 310.05	¹³ C ₆ H ₁₁ Na ₂ O ₉ P	[33068-18-7]UN		
	0.05 g	\$ 700		
	0.1 g	\$ 1190		
DIS-010	Manα-2Man (2-O-α-D-mannopyranosyl-D-mannopyranose)			
MW 342.30	C ₁₂ H ₂₂ O ₁₁	[15548-39-7]		
	0.1 g	\$ 340		
DIS-011	Manα-3Man (3-O-α-D-mannopyranosyl-D-mannopyranose)			
MW 342.30	C ₁₂ H ₂₂ O ₁₁	[23745-85-9]		
	Request Price			
DIS-012	Manα-6Man (6-O-α-D-mannopyranosyl-D-mannopyranose)			
MW 342.30	C ₁₂ H ₂₂ O ₁₁	[6614-35-3]		
	Request Price			

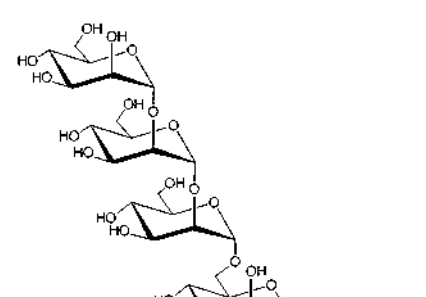


TET-004 **Man α -2Man α -2Man α -3Man**
 MW 666.58 C₂₄H₄₂O₂₁



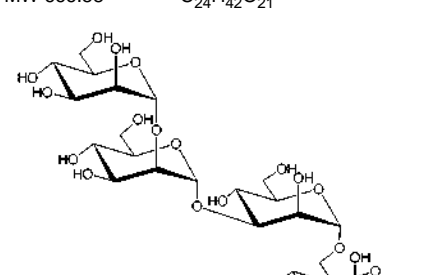
0.0001 g	\$ 185
0.0002 g	\$ 240
0.0005 g	\$ 280
0.001 g	\$ 455

TET-006 **Man α -2Man α -2Man α -6Man**
 MW 666.58 C₂₄H₄₂O₂₁



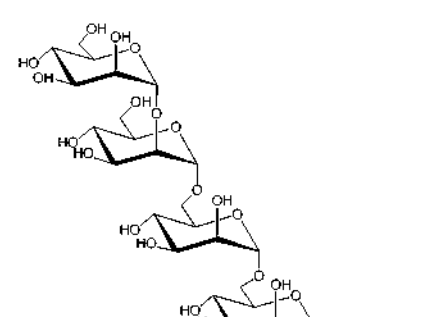
0.0001 g	\$ 185
0.0002 g	\$ 240
0.0005 g	\$ 280
0.001 g	\$ 455

TET-005 **Man α -2Man α -3Man α -6Man**
 MW 666.58 C₂₄H₄₂O₂₁



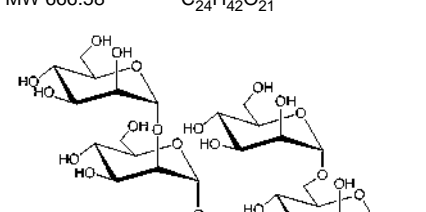
0.0001 g	\$ 185
0.0002 g	\$ 240
0.0005 g	\$ 280
0.001 g	\$ 455

TET-007 **Man α -2Man α -6Man α -6Man**
 MW 666.58 C₂₄H₄₂O₂₁



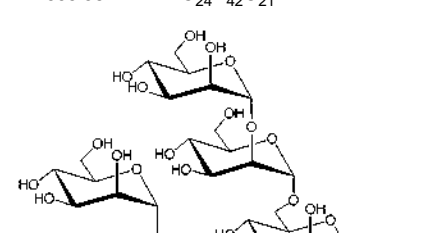
0.0001 g	\$ 185
0.0002 g	\$ 240
0.0005 g	\$ 280
0.001 g	\$ 455

TET-010 **Man α -2Man α -3[Man α -6]Man**
 MW 666.58 C₂₄H₄₂O₂₁



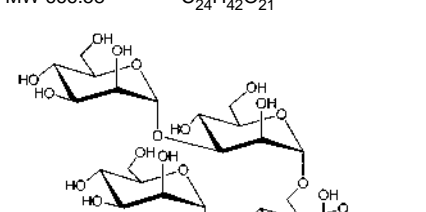
0.0001 g	\$ 185
0.0002 g	\$ 240
0.0005 g	\$ 280
0.001 g	\$ 455

TET-009 **Man α -2Man α -6[Man α -3]Man**
 MW 666.58 C₂₄H₄₂O₂₁



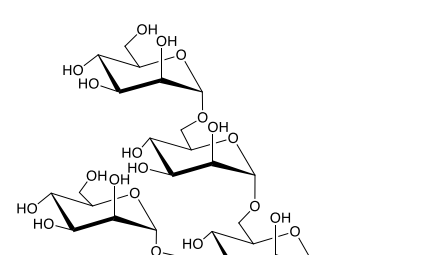
0.0001 g	\$ 185
0.0002 g	\$ 240
0.0005 g	\$ 280
0.001 g	\$ 455

TET-011 **Man α -3Man α -6[Man α -3]Man**
 MW 666.58 C₂₄H₄₂O₂₁



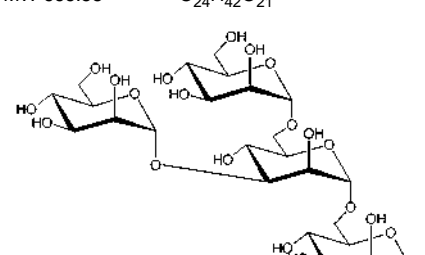
0.0001 g	\$ 185
0.0002 g	\$ 240
0.0005 g	\$ 280
0.001 g	\$ 455

TET-019 **Man α -6Man α -6[Man α -3]Man**
 MW 666.58 C₂₄H₄₂O₂₁



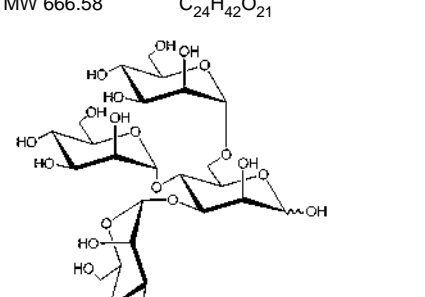
0.0001 g	\$ 185
0.0002 g	\$ 240
0.0005 g	\$ 280
0.001 g	\$ 455

TET-008 **Man α -3[Man α -6]Man α -6Man**
 MW 666.58 C₂₄H₄₂O₂₁



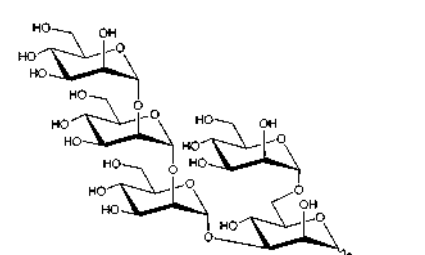
0.0001 g	\$ 185
0.0002 g	\$ 240
0.0005 g	\$ 280
0.001 g	\$ 455

TET-015 **Man α -3[Man α -4][Man α -6]Man**
 MW 666.58 C₂₄H₄₂O₂₁



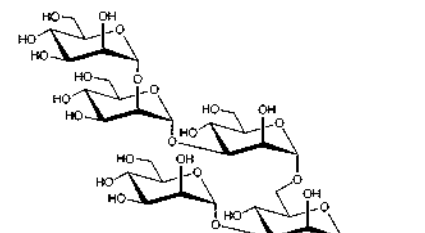
0.0001 g	\$ 185
0.0002 g	\$ 240
0.0005 g	\$ 280
0.001 g	\$ 455

PEN-007 **Man α -2Man α -2Man α -3[Man α -6]Man**
 MW 828.72 C₃₀H₅₂O₂₆



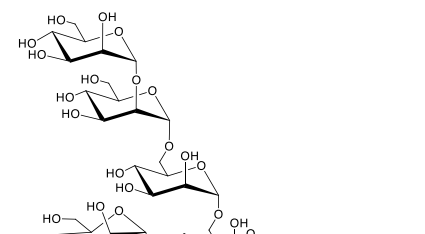
0.0001 g	\$ 200
0.0002 g	\$ 265
0.0005 g	\$ 360
0.001 g	\$ 595

PEN-003 **Man α -2Man α -3Man α -6[Man α -3]Man**
 MW 828.72 C₃₀H₅₂O₂₆



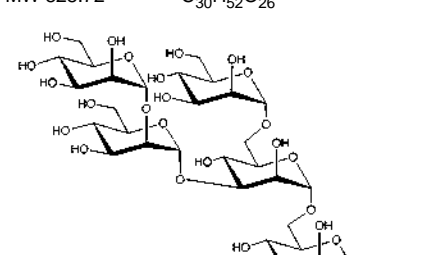
0.0001 g	\$ 200
0.0002 g	\$ 265
0.0005 g	\$ 360
0.001 g	\$ 595

PEN-015 **Man α -2Man α -6Man α -6[Man α -3]Man**
 MW 828.72 C₃₀H₅₂O₂₆



0.0001 g	\$ 200
0.0002 g	\$ 265
0.0005 g	\$ 360
0.001 g	\$ 595

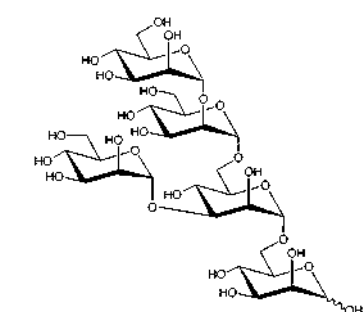
PEN-008 **Man α -2Man α -3[Man α -6]Man α -6Man**
 MW 828.72 C₃₀H₅₂O₂₆



0.0001 g	\$ 200
0.0002 g	\$ 265
0.0005 g	\$ 360
0.001 g	\$ 595

PEN-002 Man α -2Man α -6[Man α -3]Man α -6Man

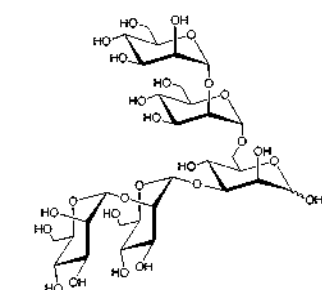
MW 828.72

C₃₀H₅₂O₂₆

0.0001 g \$ 200
0.0002 g \$ 265
0.0005 g \$ 360
0.001 g \$ 595

PEN-005 Man α -2Man α -3[Man α -2Man α -6]Man

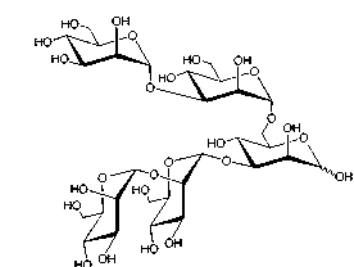
MW 828.72

C₃₀H₅₂O₂₆

0.0001 g \$ 200
0.0002 g \$ 265
0.0005 g \$ 360
0.001 g \$ 595

PEN-006 Man α -2Man α -3[Man α -3Man α -6]Man

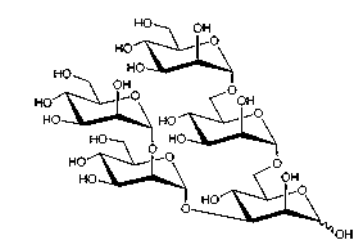
MW 828.72

C₃₀H₅₂O₂₆

0.0001g \$ 200
0.0002g \$ 265
0.0005g \$ 360
0.001 g \$ 595

PEN-004 Man α -2Man α -3[Man α -6Man α -6]Man

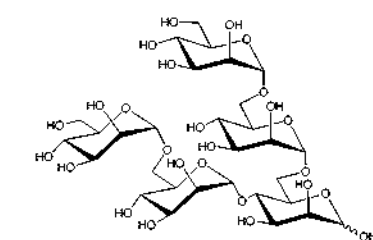
MW 828.72

C₃₀H₅₂O₂₆

0.0001 g \$ 200
0.0002 g \$ 265
0.0005 g \$ 360
0.001 g \$ 595

PEN-012 Man α -6Man α -4[Man α -6Man α -6]Man

MW 828.72

C₃₀H₅₂O₂₆

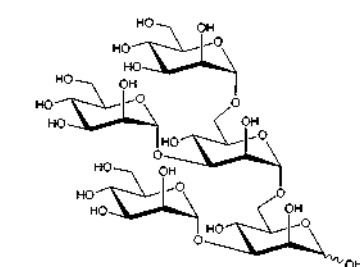
0.0001 g \$ 200
0.0002 g \$ 265
0.0005 g \$ 360
0.001 g \$ 595

PEN-001 Man α -3[Man α -6]Man α -6[Man α -3]Man

MW 828.72

C₃₀H₅₂O₂₆

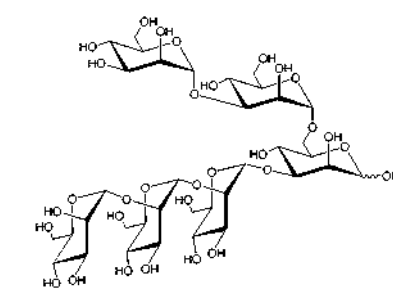
[112828-69-0]



0.0001 g \$ 200
0.0002 g \$ 265
0.0005 g \$ 360
0.001 g \$ 595

HEX-003 Man α -2Man α -2Man α -3[Man α -3Man α -6]Man

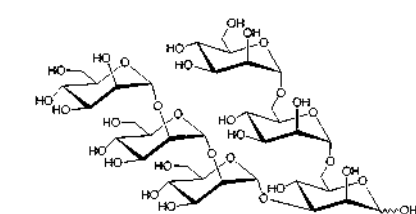
MW 990.86

C₃₆H₆₂O₃₁

0.0001 g \$ 210
0.0002 g \$ 315
0.0005 g \$ 515
0.001 g \$ 815

HEX-004 Man α -2Man α -2Man α -3[Man α -6Man α -6]Man

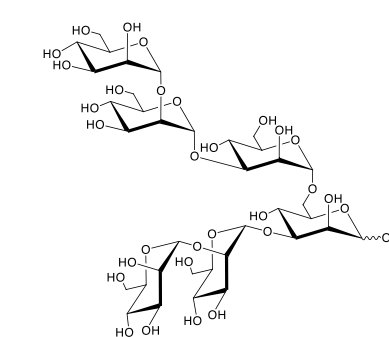
MW 990.86

C₃₆H₆₂O₃₁

0.0001 g \$ 210
0.0002 g \$ 315
0.0005 g \$ 515
0.001 g \$ 815

HEX-011 Man α -2Man α -3Man α -6[Man α -2Man α -3]Man

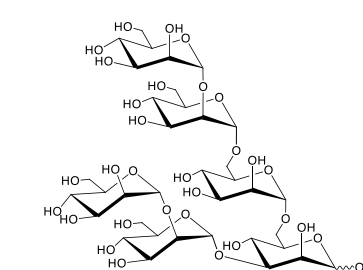
MW 990.86

C₃₆H₆₂O₃₁

0.0001 g \$ 210
0.0002 g \$ 315
0.0005 g \$ 515
0.001 g \$ 815

HEX-010 Man α -2Man α -6Man α -6[Man α -2Man α -3]Man

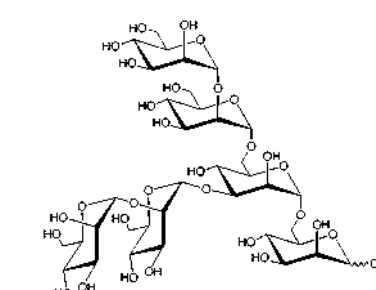
MW 990.86

C₃₆H₆₂O₃₁

0.0001 g \$ 210
0.0002 g \$ 315
0.0005 g \$ 515
0.001 g \$ 815

HEX-001 Man α -2Man α -3[Man α -2Man α -6]Man α -6Man

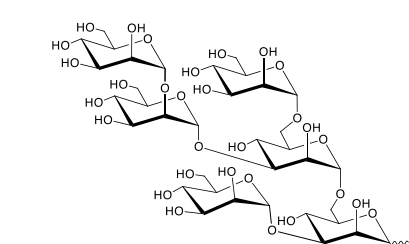
MW 990.86

C₃₆H₆₂O₃₁

0.0001 g \$ 210
0.0002 g \$ 315
0.0005 g \$ 515
0.001 g \$ 815

HEX-012 Man α -2Man α -3[Man α -6]Man α -6[Man α -3]Man

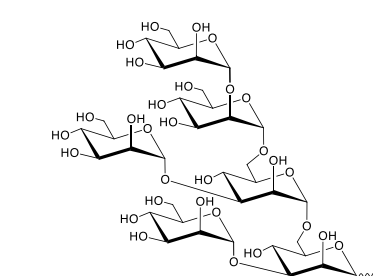
MW 990.86

C₃₆H₆₂O₃₁

0.0001 g \$ 210
0.0002 g \$ 315
0.0005 g \$ 515
0.001 g \$ 815

HEX-014 Man α -2Man α -6[Man α -3]Man α -6[Man α -3]Man

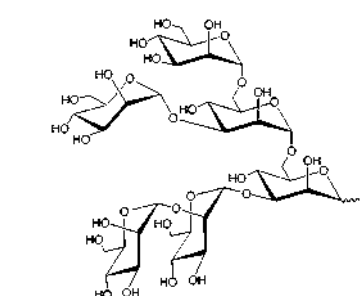
MW 990.86

C₃₆H₆₂O₃₁

0.0001 g \$ 210
0.0002 g \$ 315
0.0005 g \$ 515
0.001 g \$ 815

HEX-002 Man α -3[Man α -6]Man α -6[Man α -2Man α -3]Man

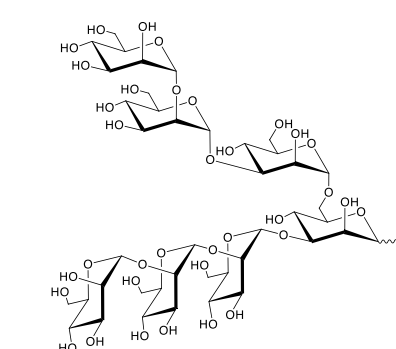
MW 990.86

C₃₆H₆₂O₃₁

0.0001 g \$ 210
0.0002 g \$ 315
0.0005 g \$ 515
0.001 g \$ 815

OLI-005 Man α -2Man α -2Man α -3[Man α -2Man α -3Man α -6]Man

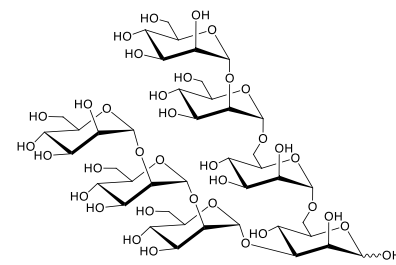
MW 1153.00

C₄₂H₇₂O₃₆

0.0001 g \$ 245
0.0002 g \$ 390
0.0005 g \$ 745
0.001 g \$ 1185

OLI-006 **Man α -2Man α -2Man α -3**
[Man α -2Man α -6Man α -6]Man

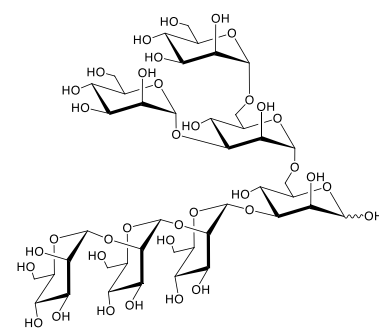
MW 1153.00 C₄₂H₇₂O₃₆



0.0001 g \$ 245
0.0002 g \$ 390
0.0005 g \$ 745
0.001 g \$ 1185

OLI-010 **Man α -2Man α -2Man α -3[Man α -3**
[Man α -6]Man α -6]Man
(Man α -3[Man α -6]Man α -6[Man α -2Man α -2Man α -3]Man)

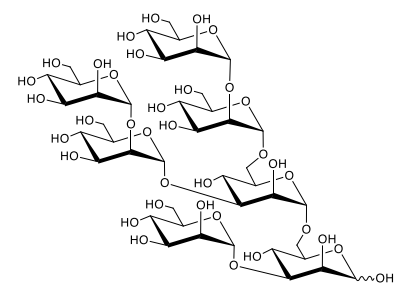
MW 1153.00 C₄₂H₇₂O₃₆



0.0001 g \$ 245
0.0002 g \$ 390
0.0005 g \$ 745
0.001 g \$ 1185

OLI-012 **Man α -2Man α -3[Man α -2Man α -6]**
Man α -6
[Man α -3]Man

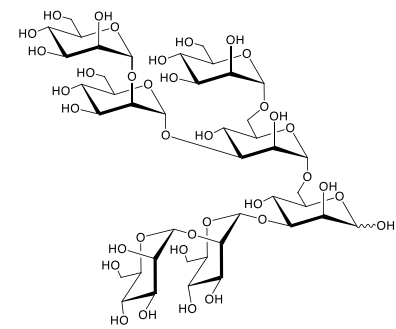
MW 1153.00 C₄₂H₇₂O₃₆



0.0001 g \$ 245
0.0002 g \$ 390
0.0005 g \$ 745
0.001 g \$ 1185

OLI-007 **Man α -2Man α -3[Man α -6]Man α -6**
[Man α -2Man α -3]Man

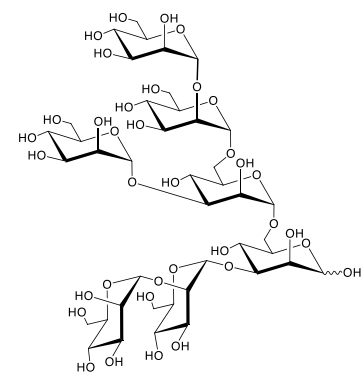
MW 1153.00 C₄₂H₇₂O₃₆



0.0001 g \$ 245
0.0002 g \$ 390
0.0005 g \$ 745
0.001 g \$ 1185

OLI-013 **Man α -2Man α -6[Man α -3]Man α -6**
[Man α -2Man α -3]Man

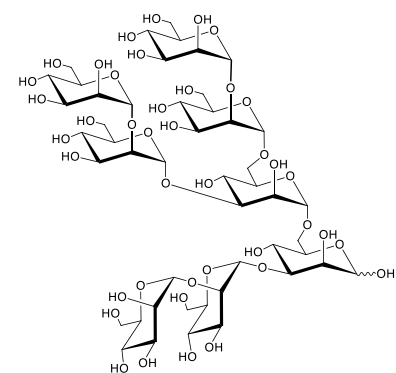
MW 1153.00 C₄₂H₇₂O₃₆



0.0001 g \$ 245
0.0002 g \$ 390
0.0005 g \$ 745
0.001 g \$ 1185

OLI-014 **Man α -2Man α -3[Man α -2Man α -6]**
Man α -6
[Man α -2Man α -3]Man

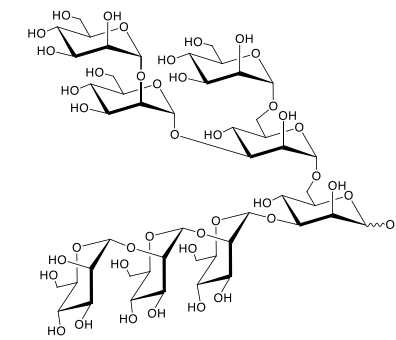
MW 1315.14 C₄₈H₈₂O₄₁



0.0001 g \$ 275
0.0002 g \$ 455
0.0005 g \$ 885
0.001 g \$ 1480

OLI-008 **Man α -2Man α -3[Man α -6]Man α -6**
[Man α -2Man α -2Man α -3]Man

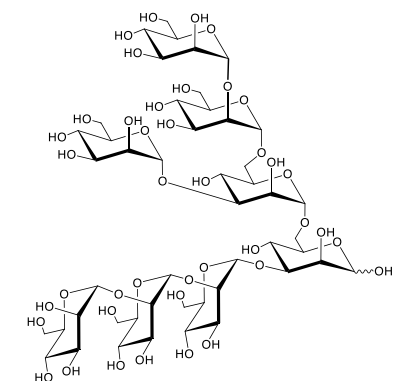
MW 1315.14 C₄₈H₈₂O₄₁



0.0001 g \$ 275
0.0002 g \$ 455
0.0005 g \$ 885
0.001 g \$ 1480

OLI-015 **Man α -2Man α -6[Man α -3]Man α -6**
[Man α -2Man α -2Man α -3]Man

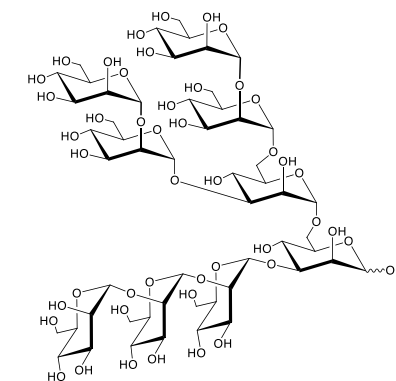
MW 1315.14 C₄₈H₈₂O₄₁



0.0001 g \$ 275
0.0002 g \$ 455
0.0005 g \$ 885
0.001 g \$ 1480

OLI-009 **Man α -2Man α -3[Man α -2Man α -6]**
Man α -6[Man α -2Man α -2Man α -3]Man

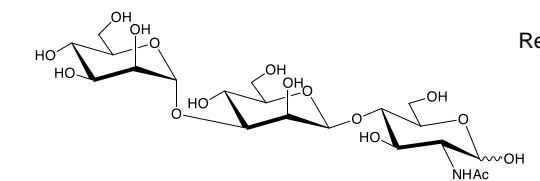
MW 1477.28 C₅₄H₉₂O₄₆



0.0001 g \$ 300
0.0002 g \$ 515
0.0005 g \$ 1105
0.001 g \$ 1760

TRI-015 **Man α -3Man β -4GlcNAc**

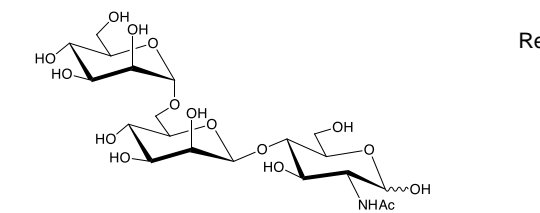
MW 545.49 C₂₀H₃₅NO₁₆



Request Price

TRI-016 **Man α -6Man β -4GlcNAc**

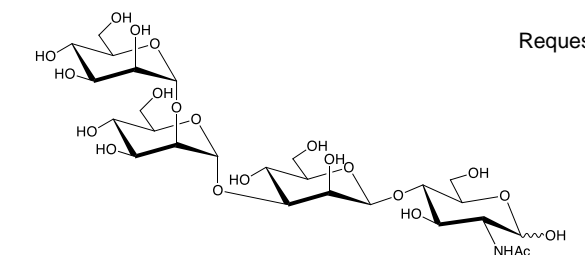
MW 545.49 C₂₀H₃₅NO₁₆



Request Price

TET-020 **Man α -2Man α -3Man β -4GlcNAc**

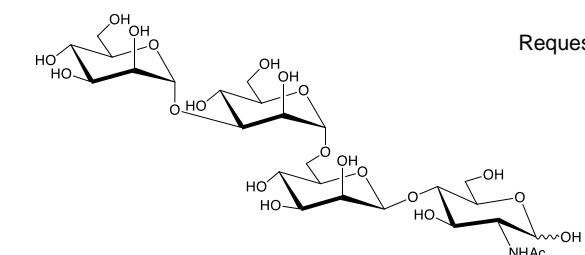
MW 707.63 C₂₆H₄₅NO₂₁



Request Price

TET-021 **Man α -3Man α -6Man β -4GlcNAc**

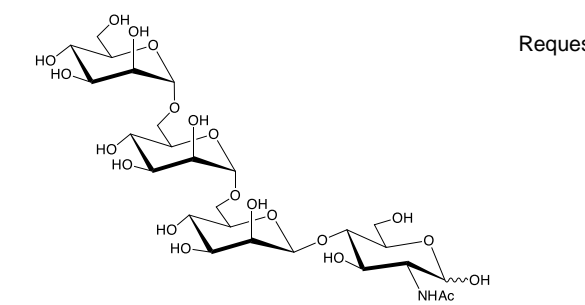
MW 707.63 C₂₆H₄₅NO₂₁



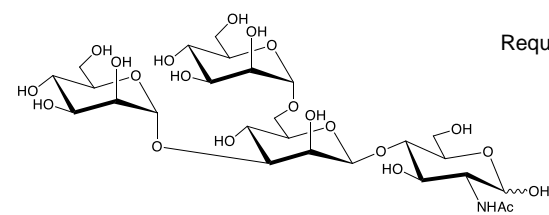
Request Price

TET-022 **Man α -6Man α -6Man β -4GlcNAc**

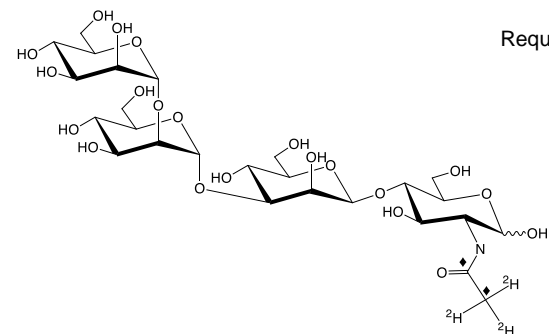
MW 707.63 C₂₆H₄₅NO₂₁



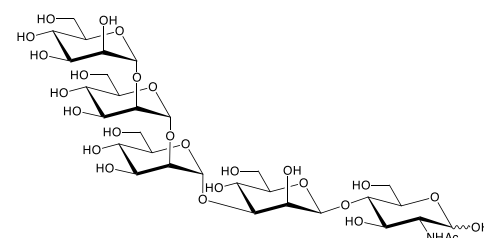
Request Price

TET-018 **Man α -3[Man α -6]Man β -4GlcNAc**MW 707.63 C₂₆H₄₅NO₂₁

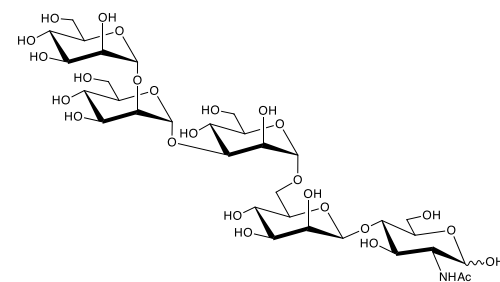
Request Price

TET-049 **Man α -2Man α -3Man β -4GlcN[1,2-13C₂; 2-2H₃]Ac**MW 712.63 ¹³C₂C₂₄²H₃H₄₂NO₂₁

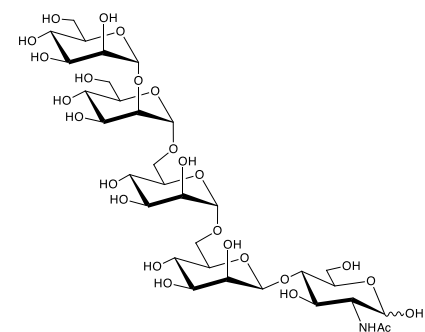
Request Price

PEN-017 **Man α -2Man α -2Man α -3Man β -4GlcNAc**MW 869.77 C₃₂H₅₅NO₂₆

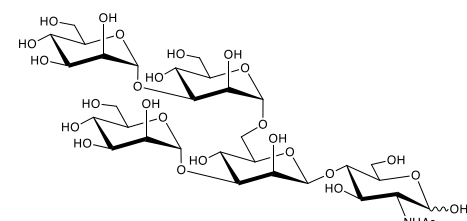
Request Price

PEN-018 **Man α -2Man α -3Man α -6Man β -4GlcNAc**MW 869.77 C₃₂H₅₅NO₂₆

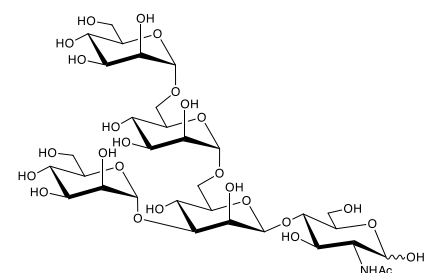
Request Price

PEN-019 **Man α -2Man α -6Man α -6Man β -4GlcNAc**MW 869.77 C₃₂H₅₅NO₂₆

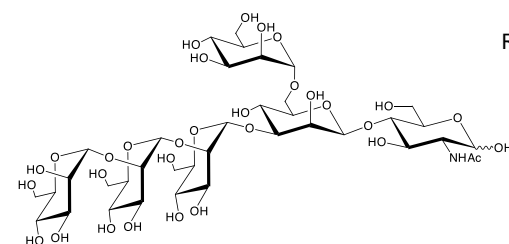
Request Price

PEN-013 **Man α -3Man α -6[Man α -3]Man β -4GlcNAc**MW 869.77 C₃₂H₅₅NO₂₆

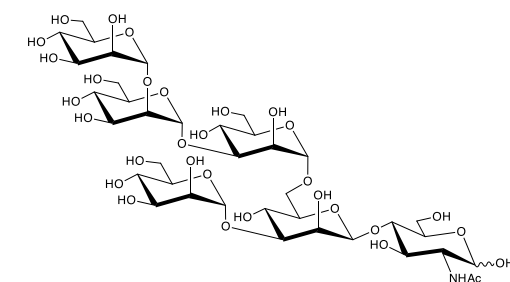
Request Price

PEN-014 **Man α -6Man α -6[Man α -3]Man β -4GlcNAc**MW 869.77 C₃₂H₅₅NO₂₆

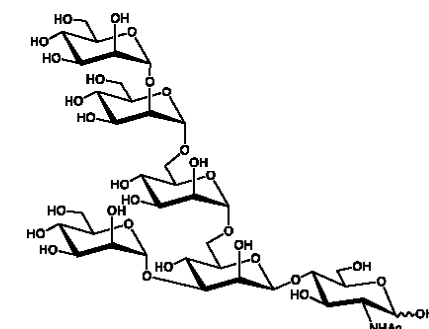
Request Price

HEX-019 **Man α -2Man α -2Man α -3[Man α -6]Man β -4GlcNAc**MW 1031.91 C₃₈H₆₅NO₃₁

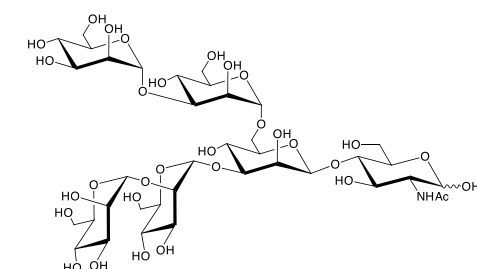
Request Price

HEX-008 **Man α -2Man α -3Man α -6[Man α -3]Man β -4GlcNAc**MW 1031.91 C₃₈H₆₅NO₃₁

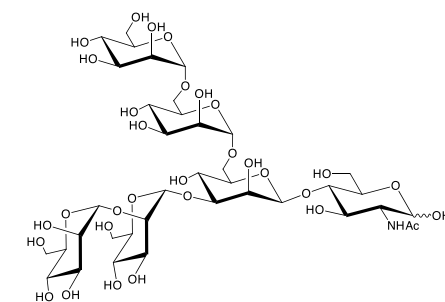
Request Price

HEX-009 **Man α -2Man α -6Man α -6[Man α -3]Man β -4GlcNAc**MW 1031.91 C₃₈H₆₅NO₃₁

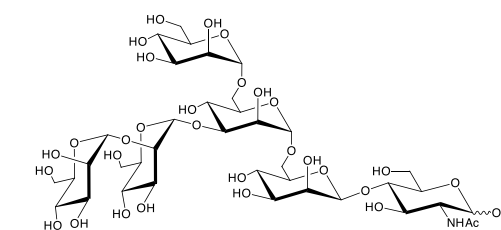
Request Price

HEX-018 **Man α -2Man α -3[Man α -3Man α -6]Man β -4GlcNAc**MW 1031.91 C₃₈H₆₅NO₃₁

Request Price

HEX-017 **Man α -2Man α -3[Man α -6Man α -6]Man β -4GlcNAc**MW 1031.91 C₃₈H₆₅NO₃₁

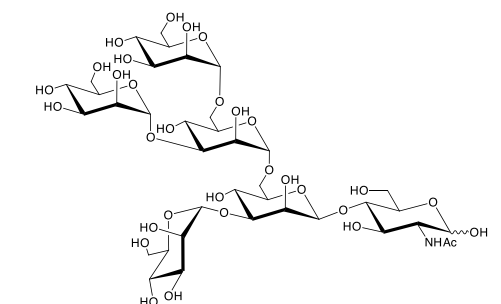
Request Price

HEX-016 **Man α -2Man α -3[Man α -6]Man α -6Man β -4GlcNAc**MW 1031.91 C₃₈H₆₅NO₃₁

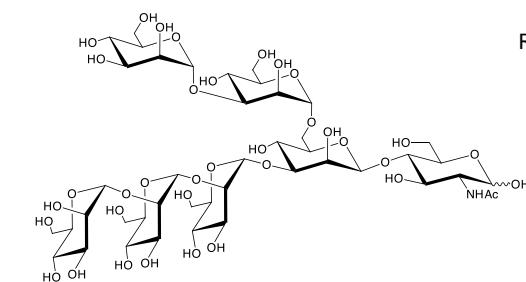
Request Price

HEX-020 **Man α -2Man α -6[Man α -3]Man α -6Man β -4GlcNAc**MW 1031.91 C₃₈H₆₅NO₃₁

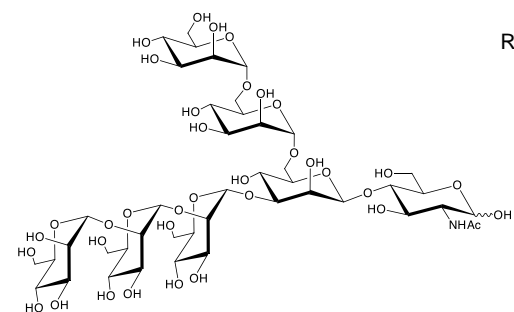
Request Price

HEX-015 **Man α -3[Man α -6]Man α -6[Man α -3]Man β -4GlcNAc**MW 1031.91 C₃₈H₆₅NO₃₁

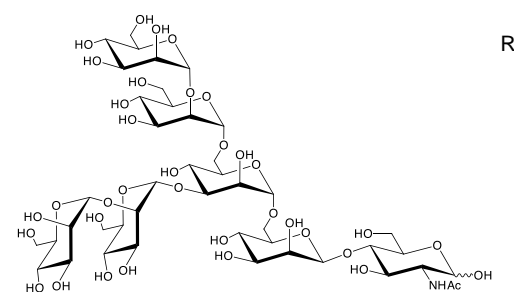
Request Price

OLI-019 **Man α -2Man α -2Man α -3[Man α -3Man α -6]Man β -4GlcNAc**MW 1194.05 C₄₄H₇₅NO₃₆

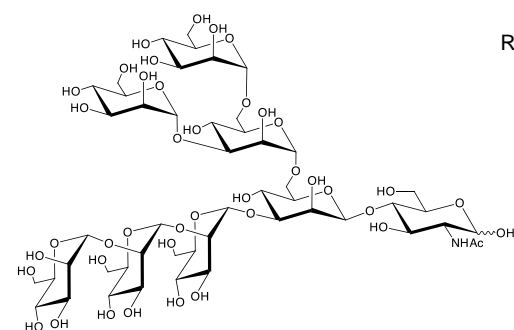
Request Price

OLI-020 **Man α -2Man α -2Man α -3
[Man α -6Man α -6]Man β -4GlcNAc**MW 1194.05 C₄₄H₇₅NO₃₆

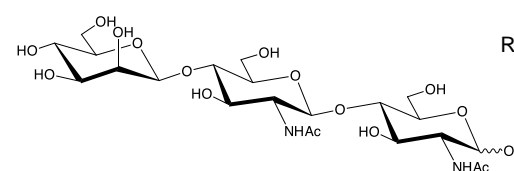
Request Price

OLI-021 **Man α -2Man α -3[Man α -2Man α -6]
Man α -6Man β -4GlcNAc**MW 1194.05 C₄₄H₇₅NO₃₆

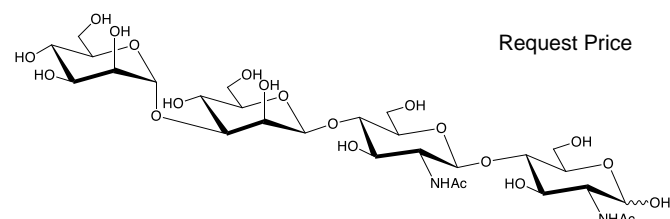
Request Price

OLI-026 **Man α -2Man α -2Man α -3[Man α -3
[Man α -6]Man α -6]Man β -4GlcNAc**MW 1356.19 C₅₀H₈₅NO₄₁

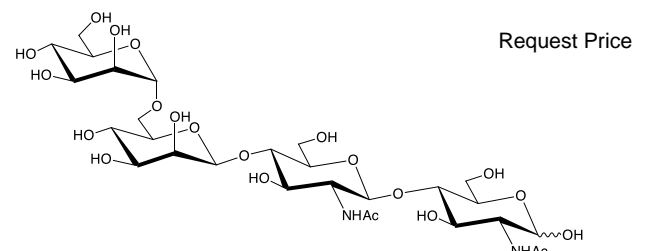
Request Price

TRI-019 **Man β -4GlcNAc β -4GlcNAc** $(\beta$ D-Man p (1 \rightarrow 4) β D-Glc p NAc(1 \rightarrow 4)D-Glc p NAc)MW 586.54 C₂₂H₃₈N₂O₁₆

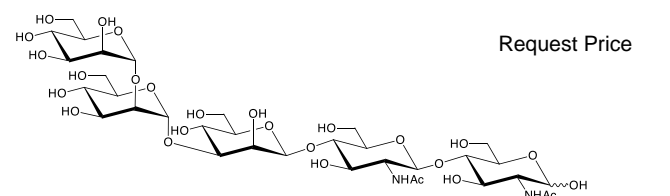
Request Price

TET-032 **Man α 1-3Man β -4GlcNAc β -4GlcNAc**MW 748.68 C₂₈H₄₈N₂O₂₁

Request Price

TET-031 **Man α 1-6Man β -4GlcNAc β -4GlcNAc**MW 748.68 C₂₈H₄₈N₂O₂₁

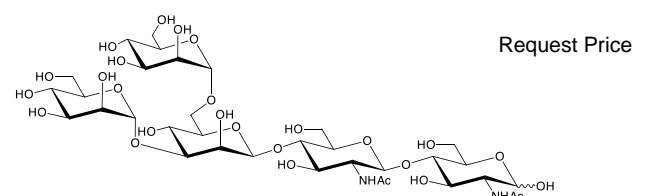
Request Price

PEN-023 **Man α -2Man α -3Man β -4GlcNAc β -
4GlcNAc**MW 910.82 C₃₄H₅₈N₂O₂₆

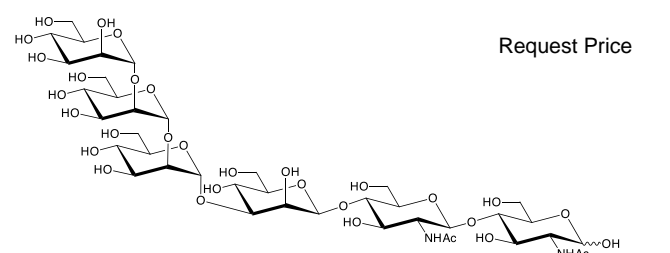
Request Price

PEN-016 **Man α -3[Man α -6]Man β -4GlcNAc β -
4GlcNAc**MW 910.82 C₃₄H₅₈N₂O₂₆

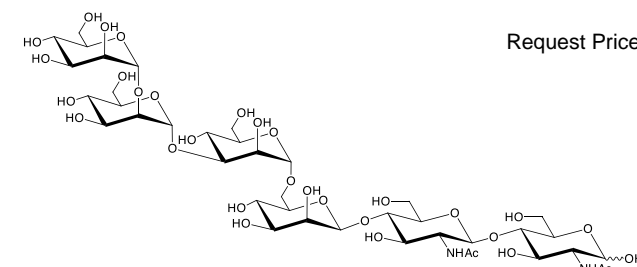
[70858-45-6]



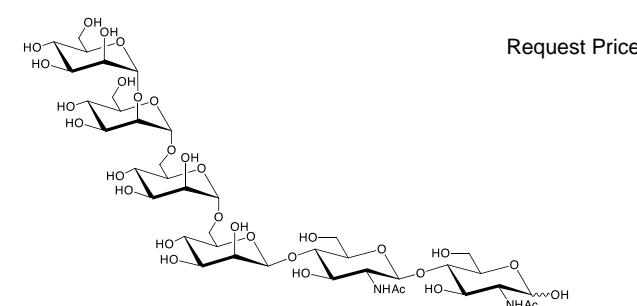
Request Price

HEX-013 **Man α -2Man α -2Man α -3Man β -
4GlcNAc β -4GlcNAc**MW 1072.96 C₄₀H₆₈N₂O₃₁

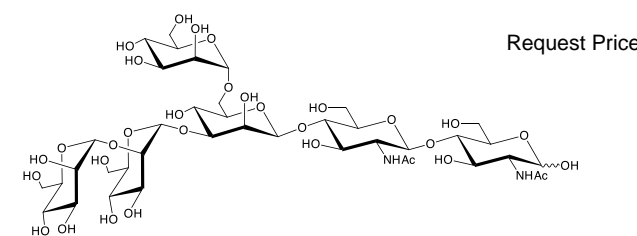
Request Price

HEX-023 **Man α -2Man α -3Man α -6Man β -
4GlcNAc β -4GlcNAc**MW 1072.96 C₄₀H₆₈N₂O₃₁

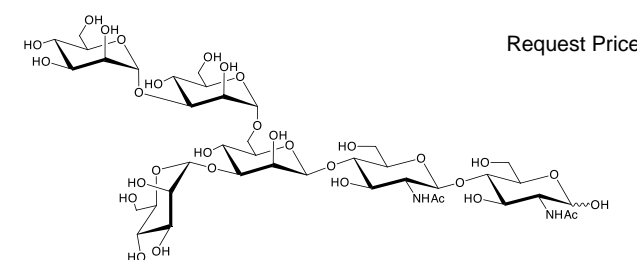
Request Price

HEX-024 **Man α -2Man α -6Man α -6Man β -
4GlcNAc β -4GlcNAc**MW 1072.96 C₄₀H₆₈N₂O₃₁

Request Price

HEX-026 **Man α -2Man α -3[Man α -6]
Man β -4GlcNAc β -4GlcNAc**MW 1072.96 C₄₀H₆₈N₂O₃₁

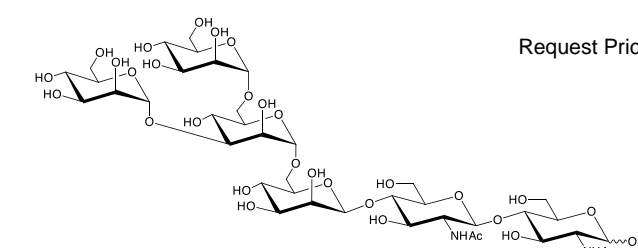
Request Price

HEX-028 **Man α -3Man α -6[Man α -3]
Man β -4GlcNAc β -4GlcNAc**MW 1072.96 C₄₀H₆₈N₂O₃₁

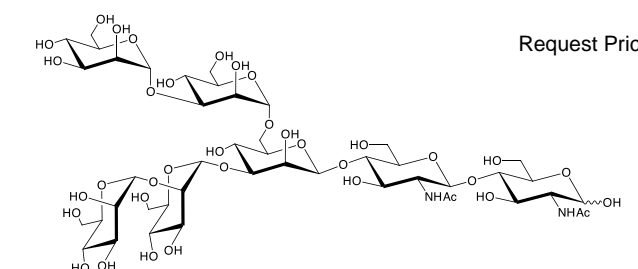
Request Price

HEX-027 **Man α -6Man α -6[Man α -3]
Man β -4GlcNAc β -4GlcNAc**MW 1072.96 C₄₀H₆₈N₂O₃₁

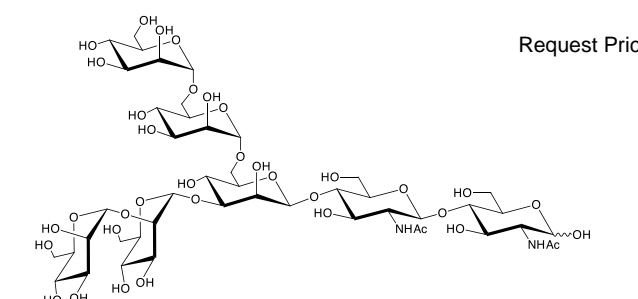
Request Price

HEX-025 **Man α -3[Man α -6]
Man α -6Man β -4GlcNAc β -4GlcNAc**MW 1072.96 C₄₀H₆₈N₂O₃₁

Request Price

OLI-023 **Man α -2Man α -3[Man α -3Man α -6]
Man β -4GlcNAc β -4GlcNAc**MW 1235.10 C₄₆H₇₈N₂O₃₆

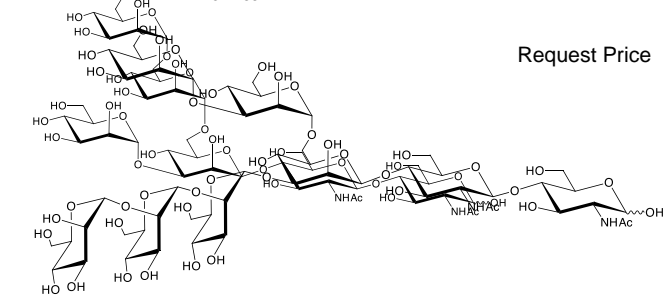
Request Price

OLI-024 **Man α -2Man α -3[Man α -6Man α -6]
Man β -4GlcNAc β -4GlcNAc**MW 1235.10 C₄₆H₇₈N₂O₃₆

Request Price

OLI-011 **Man α -2Man α -2Man α -3
[Man α -3Man α -6]Man β -4GlcNAc β -
4GlcNAc**

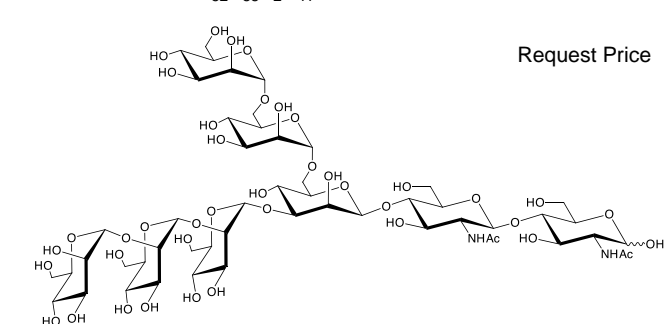
MW 1397.24 C₅₂H₈₈N₂O₄₁



Request Price

OLI-018 **Man α -2Man α -2Man α -3
[Man α -6Man α -6]Man β -4GlcNAc β -
4GlcNAc**

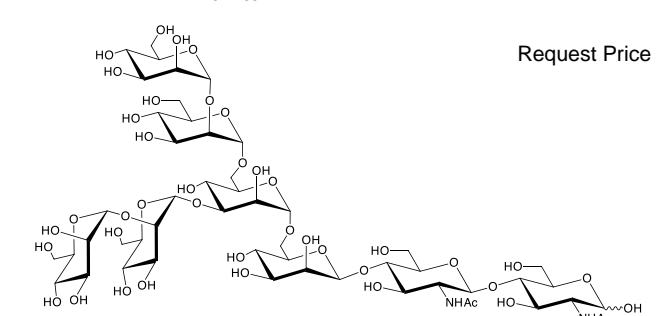
MW 1397.24 C₅₂H₈₈N₂O₄₁



Request Price

OLI-025 **Man α -2Man α -3[Man α -2Man α -6]
Man α -6Man β -4GlcNAc β -4GlcNAc**

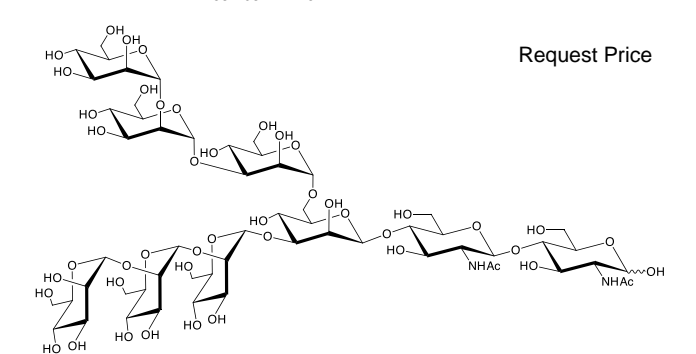
MW 1397.24 C₅₂H₈₈N₂O₄₁



Request Price

OLI-016 **Man α -2Man α -2Man α -3
[Man α -2Man α -3Man α -6]Man β -
4GlcNAc β -4GlcNAc**

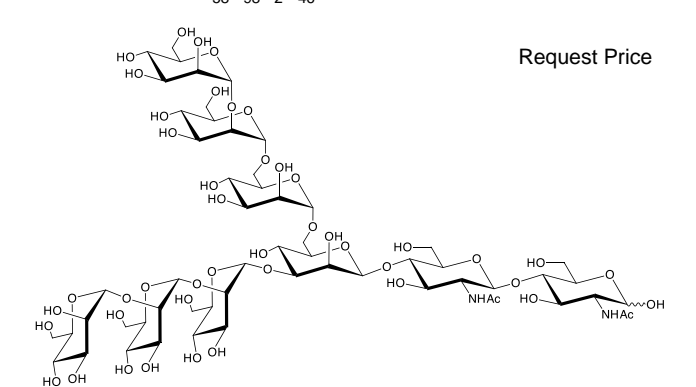
MW 1559.39 C₅₈H₉₈N₂O₄₆



Request Price

OLI-017 **Man α -2Man α -2Man α -3
[Man α -2Man α -6Man α -6]Man β -
4GlcNAc β -4GlcNAc**

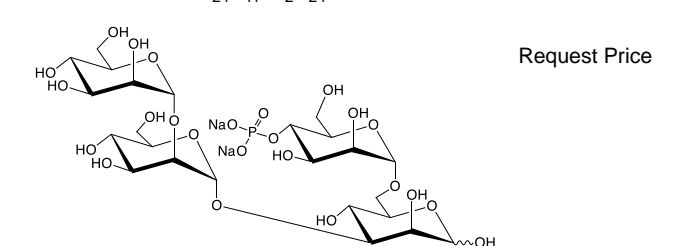
MW 1559.39 C₅₈H₉₈N₂O₄₆



Request Price

TET-044 **Man α -2Man α -3[Man4P α -6]Man
disodium salt**

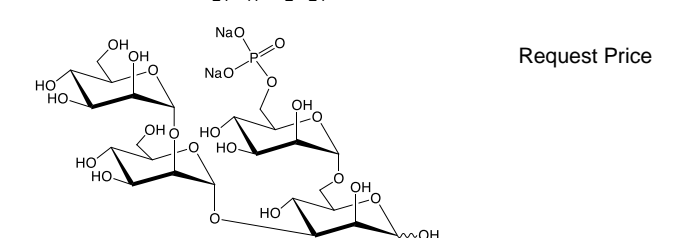
MW 790.52 C₂₄H₄₁Na₂O₂₄P



Request Price

TET-043 **Man α -2Man α -3[Man6P α -6]Man
disodium salt**

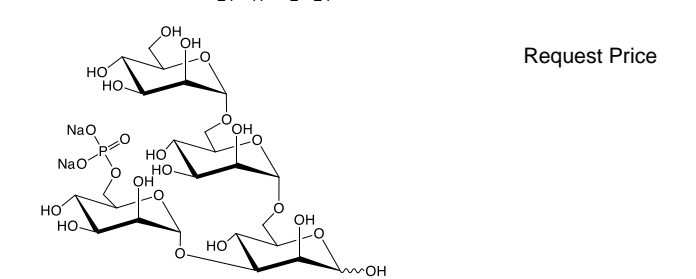
MW 790.52 C₂₄H₄₁Na₂O₂₄P



Request Price

TET-041 **Man α -6Man α -6[Man6P α -3]Man
disodium salt**

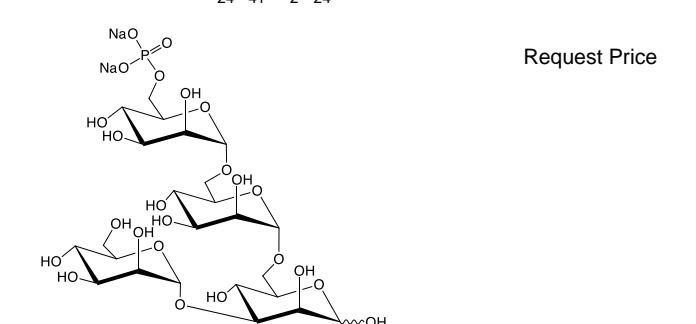
MW 790.52 C₂₄H₄₁Na₂O₂₄P



Request Price

TET-042 **Man6P α -6Man α -6[Man α -3]Man
disodium salt**

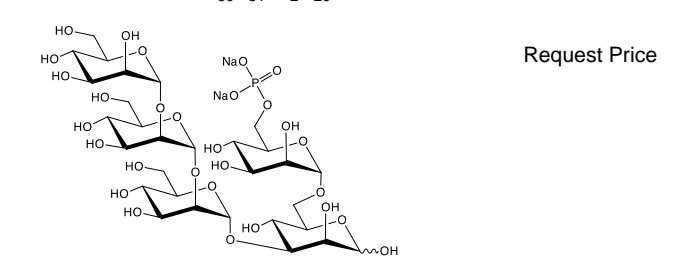
MW 790.52 C₂₄H₄₁Na₂O₂₄P



Request Price

PEN-022 **Man α -2Man α -2Man α -3[Man6P α -6]Man
disodium salt**

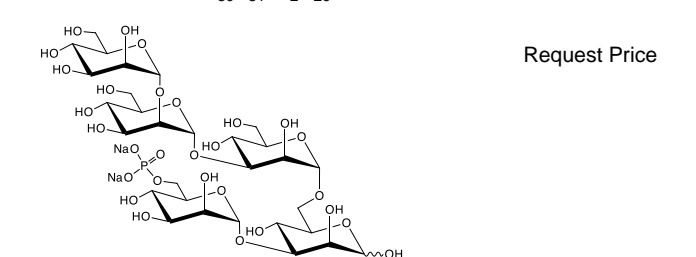
MW 952.66 C₃₀H₅₁Na₂O₂₉P



Request Price

PEN-021 **Man α -2Man α -3Man α -6[Man6P α -3]Man
disodium salt**

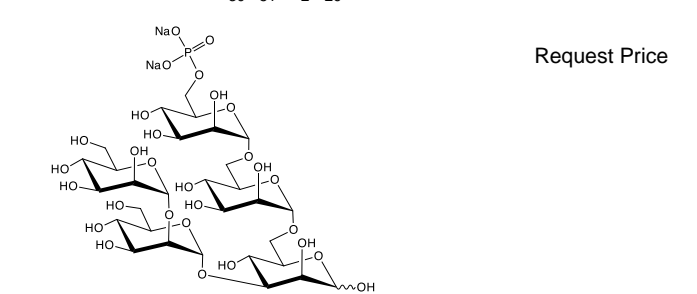
MW 952.66 C₃₀H₅₁Na₂O₂₉P



Request Price

PEN-020 **Man α -2Man α -3[Man6P α -6Man α -6]Man
disodium salt**

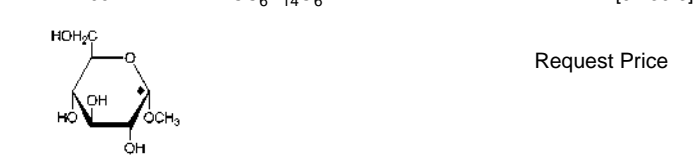
MW 952.66 C₃₀H₅₁Na₂O₂₉P



Request Price

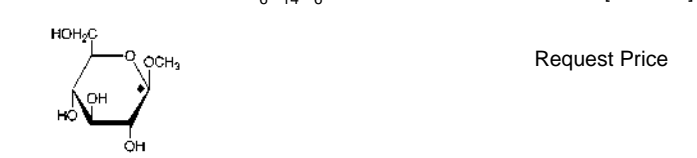
mannose triflate
see tetra-acetyl-trifluoromethanesulfonyl-mannopyranose *page 107*

GLC-065 **methyl α -D-[1-¹³C]glucopyranoside**
MW 195.17 ¹³C₆H₁₄O₆ [97-30-3]UN



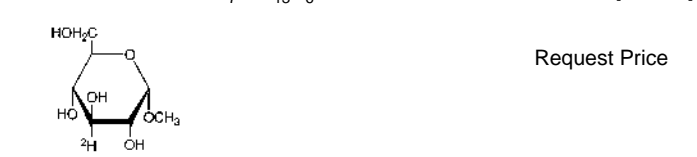
Request Price

GLC-066 **methyl β -D-[1-¹³C]glucopyranoside**
MW 195.17 ¹³C₆H₁₄O₆ [709-50-2]UN



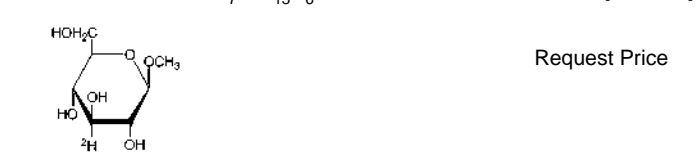
Request Price

GLC-063 **methyl α -D-[3-²H]glucopyranoside**
MW 195.19 C₇²H₁₃O₆ [97-30-3]UN



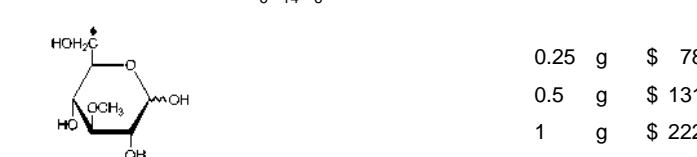
Request Price

GLC-064 **methyl β -D-[3-²H]glucopyranoside**
MW 195.19 C₇²H₁₃O₆ [709-50-2]UN

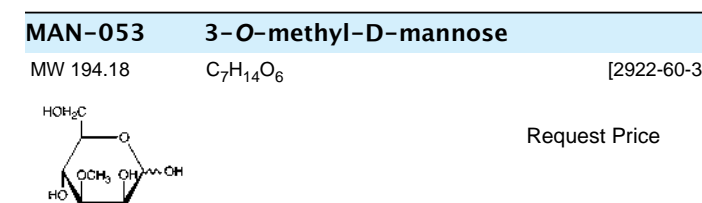
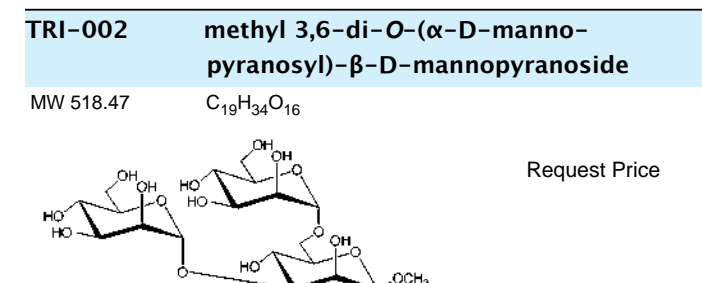
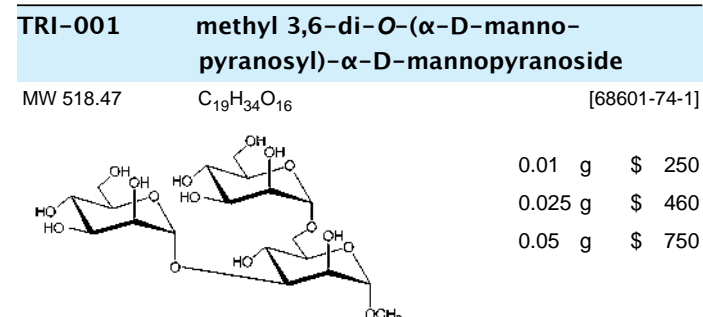
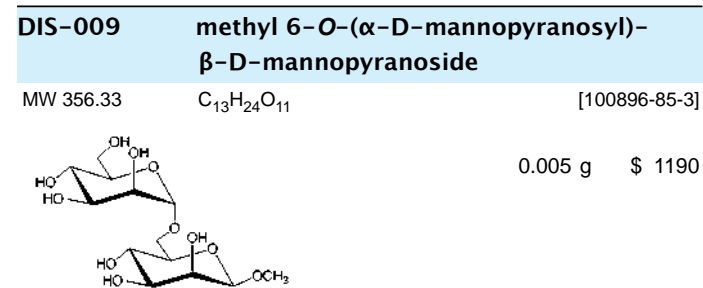
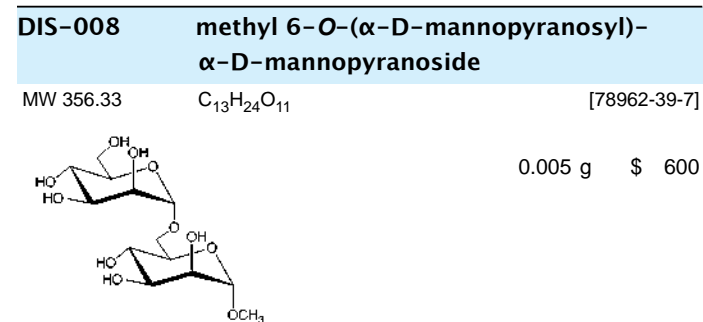
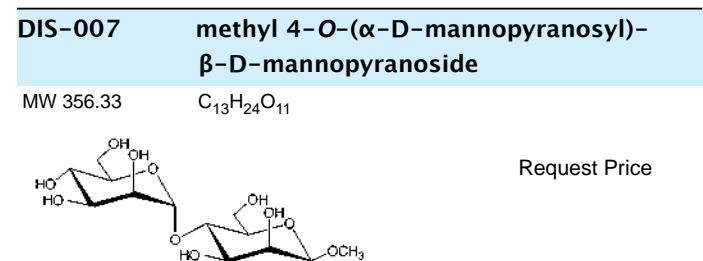
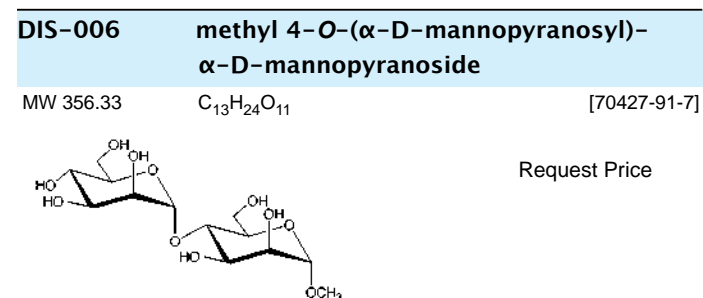
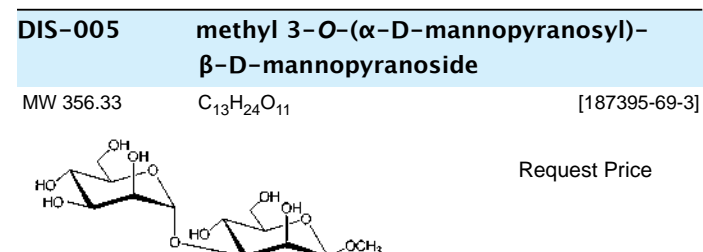
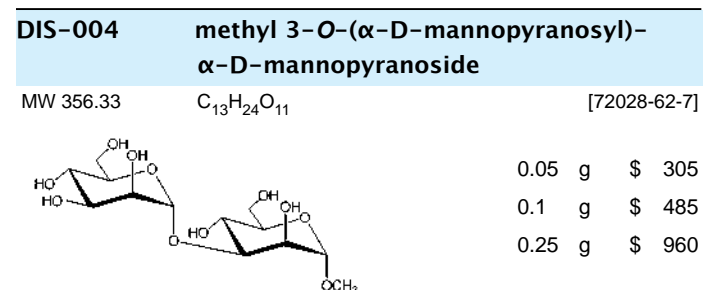
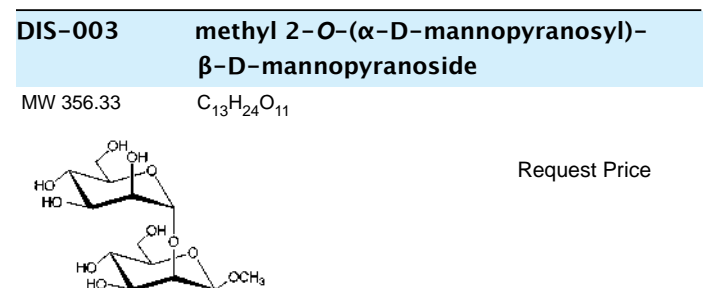
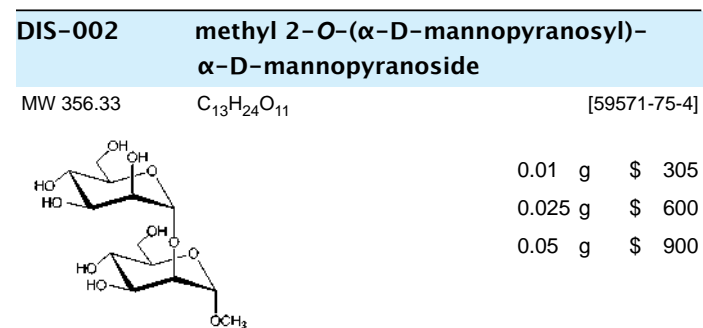
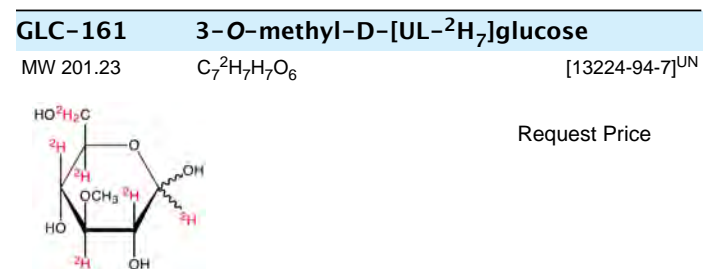
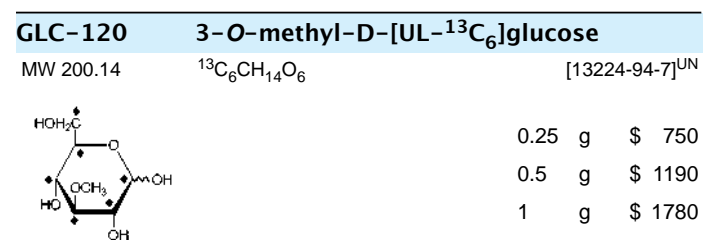
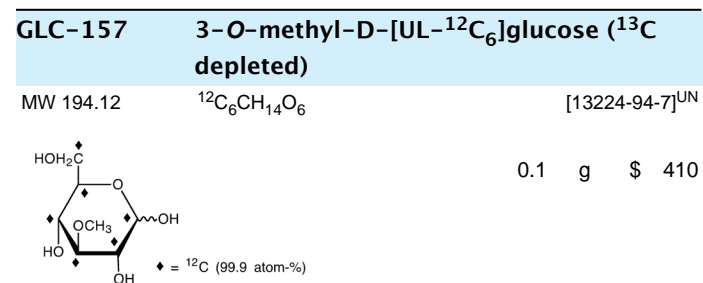


Request Price

GLC-044 **3-O-methyl-D-[6-¹³C]glucose**
MW 195.18 ¹³C₆H₁₄O₆ [478529-34-9]



0.25 g \$ 785
0.5 g \$ 1315
1 g \$ 2225



5-methyl-uridine
see ribothymidine page 103

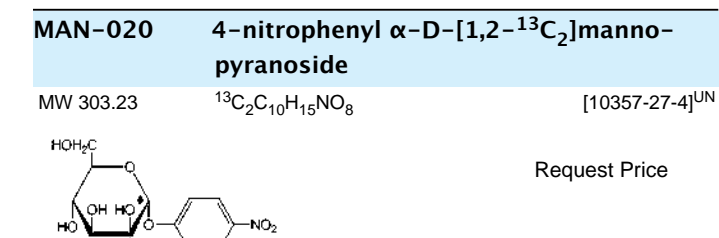
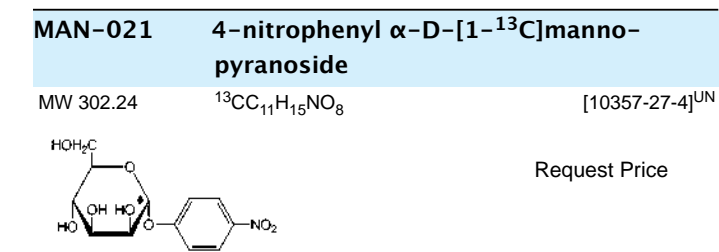
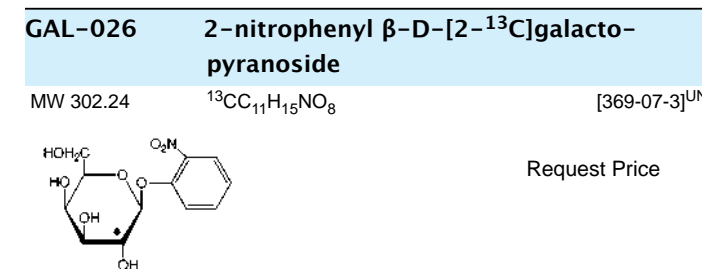
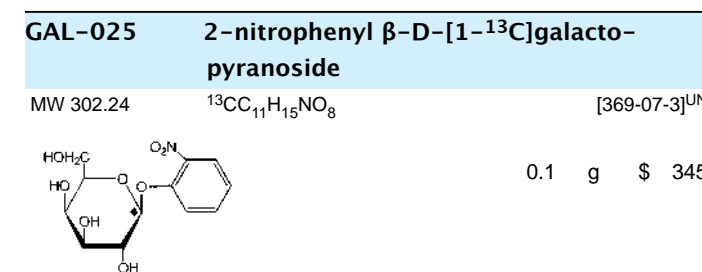
NANA-galacto-N-biose
see N-acetylneuraminic acid-Gal-GalNAc page 25

neotrehalose
see trehalose page 109

Neu5Ac
see N-acetylneuraminic acid page 23

NeuNAc-Gal-GalNAc
see N-acetylneuraminic acid-Gal-GalNAc page 25

NeuNAc-Gal-Glc
see sialyl-lactose page 10



pentaacetylchitopentaose
see N-acetylglucosamine oligomers page 22

Potassium altrunonate
see altrunonic acid page 30

Potassium arabinonate
see arabinonic acid page 34

Potassium fuconate
see fuconic acid page 49

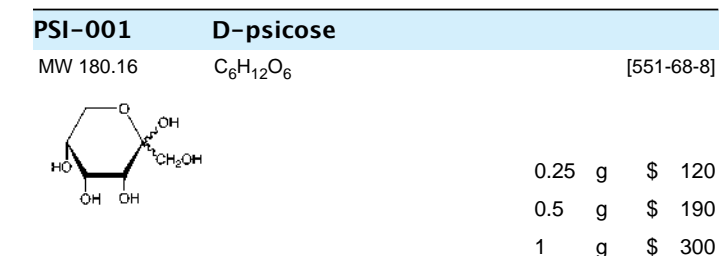
Potassium galacturonate
see galacturonic acid page 54

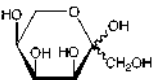
Potassium gluconate
see gluconic acid page 61

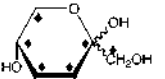
Potassium lyxonate
see lyxonic acid page 77

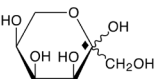
Potassium talonate
see talonic acid page 106

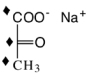
Potassium xylonate
see xylonic acid page 113

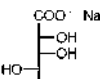


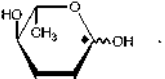
PSI-002	L-psicose
MW 180.16	C ₆ H ₁₂ O ₆ [16354-64-6]
	0.1 g \$ 430
	0.25 g \$ 895
	0.5 g \$ 1485
	1 g \$ 2660

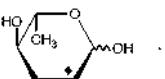
PSI-003	D-[UL- ¹³ C ₆]psicose
MW 186.11	¹³ C ₆ H ₁₂ O ₆ [551-68-8] ^{UN}
	Request Price

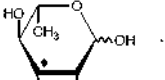
PSI-004	L-[1- ¹³ C]psicose
MW 180.16	¹³ CC ₅ H ₁₂ O ₆ [16354-64-6] ^{UN}
	Request Price

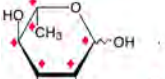
PYR-002	[¹³ C ₃]pyruvic acid, sodium salt (Sodium [¹³ C ₃]pyruvate)
MW 113.02	¹³ C ₃ H ₃ NaO ₃ [142014-11-7]
	0.1 g \$ 345
	0.25 g \$ 660
	0.5 g \$ 1170
	1 g \$ 2225


RHA-004	L-rhamnonic acid, sodium salt (Sodium L-rhamnonate)
MW 202.14	C ₆ H ₁₁ NaO ₆ [159929-82-5]
	0.1 g \$ 280
	0.25 g \$ 525


RHA-001	L-[1- ¹³ C]rhamnose monohydrate (6-deoxy-L-[1- ¹³ C]mannose monohydrate)
MW 183.16	¹³ CC ₅ H ₁₂ O ₅ ·H ₂ O [478511-48-7]
	0.05 g \$ 290
	0.1 g \$ 505
	0.25 g \$ 1025


RHA-002	L-[2- ¹³ C]rhamnose monohydrate (6-deoxy-L-[2- ¹³ C]mannose monohydrate)
MW 183.16	¹³ CC ₅ H ₁₂ O ₅ ·H ₂ O [478511-51-2]
	Request Price


RHA-003	L-[3- ¹³ C]rhamnose monohydrate (6-deoxy-L-[3- ¹³ C]mannose monohydrate)
MW 183.16	¹³ CC ₅ H ₁₂ O ₅ ·H ₂ O [478511-54-5]
	0.001 g \$ 210
	0.002 g \$ 350
	0.005 g \$ 750


RHA-005	L-[UL- ¹³ C ₆]rhamnose monohydrate (6-deoxy-L-[UL- ¹³ C ₆]mannose monohydrate)
MW 188.12	¹³ C ₆ H ₁₂ O ₅ ·H ₂ O [10030-85-0] ^{UN}
	0.001 g \$ 310
	0.002 g \$ 560
	0.005 g \$ 1200


RIB-034	ribaric acid, disodium salt (Disodium ribarate)
MW 224.08	C ₅ H ₆ Na ₂ O ₇
	0.25 g \$ 720

ALD-032	D-[1- ¹³ C]ribitol (D-[1- ¹³ C]adonitol)
MW 153.14	¹³ CC ₄ H ₁₂ O ₅ [488-81-3] ^{UN}
	0.25 g \$ 400
	0.5 g \$ 675
	1 g \$ 1120


ALD-033	D-[2- ¹³ C]ribitol (D-[2- ¹³ C]adonitol)
MW 153.14	¹³ CC ₄ H ₁₂ O ₅ [488-81-3] ^{UN}
	0.25 g \$ 510
	0.5 g \$ 870
	1 g \$ 1485


ALD-034	[3- ¹³ C]ribitol ([3- ¹³ C]adonitol)
MW 153.14	¹³ CC ₄ H ₁₂ O ₅ [488-81-3] ^{UN}
	0.25 g \$ 1470
	0.5 g \$ 2540
	1 g \$ 4425


ALD-035	D-[5- ¹³ C]ribitol (D-[5- ¹³ C]adonitol)
MW 153.14	¹³ CC ₄ H ₁₂ O ₅ [488-81-3] ^{UN}
	0.25 g \$ 870
	0.5 g \$ 1430
	1 g \$ 2365


ALD-062	[UL- ¹³ C ₅]ribitol ([UL- ¹³ C ₅]adonitol)
MW 157.11	¹³ C ₅ H ₁₂ O ₅ [488-81-3] ^{UN}
	0.1 g \$ 600
	0.25 g \$ 1120
	0.5 g \$ 1850
	1 g \$ 3320


ribonic acid lactone	
<i>see ribono-lactone page 101</i>	


RIB-030	D-ribono-1,4-lactone (D-ribonic acid γ-lactone)
MW 148.11	C ₅ H ₈ O ₅ [5336-08-3]
	1 g \$ 380


RIB-031	L-ribono-1,4-lactone (L-ribonic acid γ-lactone)
MW 148.11	C ₅ H ₈ O ₅ [133908-85-7]
	0.25 g \$ 600


RIB-033	L-ribose
MW 150.13	C ₅ H ₁₀ O ₅ [24259-59-4]
	1 g \$ 305


RIB-006	D-[1- ¹³ C]ribose
MW 151.12	¹³ CC ₄ H ₁₀ O ₅ [70849-24-0]
	0.25 g \$ 195
	0.5 g \$ 305
	1 g \$ 525


RIB-028	L-[1- ¹³ C]ribose
MW 151.12	¹³ CC ₄ H ₁₀ O ₅ [24259-59-4] ^{UN}
	0.1 g \$ 195
	0.25 g \$ 305
	0.5 g \$ 525
	1 g \$ 895


RIB-007	D-[2- ¹³ C]ribose
MW 151.12	¹³ CC ₄ H ₁₀ O ₅ [83379-40-2]
	0.1 g \$ 235
	0.25 g \$ 430
	0.5 g \$ 710
	1 g \$ 1180


RIB-008	D-[3- ¹³ C]ribose
MW 151.12	¹³ CC ₄ H ₁₀ O ₅ [211947-12-5]
	0.1 g \$ 580
	0.25 g \$ 1145
	0.5 g \$ 2020
	1 g \$ 3545


RIB-021	D-[4- ¹³ C]ribose
MW 151.12	¹³ CC ₄ H ₁₀ O ₅ [50-69-1] ^{UN}
	0.1 g \$ 895
	0.25 g \$ 1780

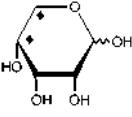
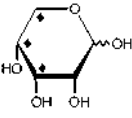
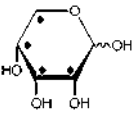
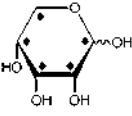
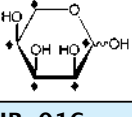
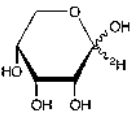
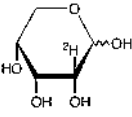
RIB-009	D-[5- ¹³ C]ribose
MW 151.12	¹³ CC ₄ H ₁₀ O ₅ [139657-62-8]
	0.1 g \$ 195
	0.25 g \$ 305
	0.5 g \$ 525
	1 g \$ 895

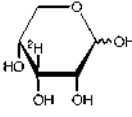
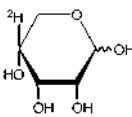
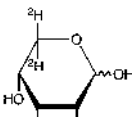
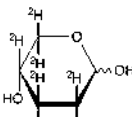
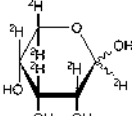
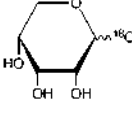
RIB-010	D-[1,2- ¹³ C ₂]ribose
MW 152.11	¹³ C ₂ C ₃ H ₁₀ O ₅ [209909-88-6]
	0.1 g \$ 265
	0.25 g \$ 480
	0.5 g \$ 835
	1 g \$ 1485

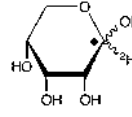
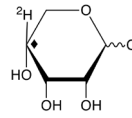
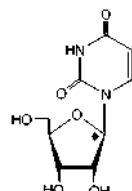
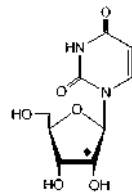
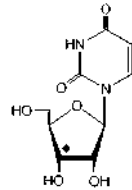
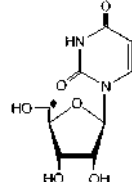
RIB-011	D-[1,3- ¹³ C ₂]ribose
MW 152.11	¹³ C ₂ C ₃ H ₁₀ O ₅ [478511-79-4]
	0.1 g \$ 720
	0.25 g \$ 1455
	0.5 g \$ 2510
	1 g \$ 4275

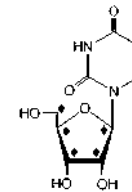




RIB-012	D-[1,5- ¹³ C ₂]ribose
MW 152.11	¹³ C ₂ C ₃ H ₁₀ O ₅ [213825-56-0]
	0.1 g \$ 460
	0.25 g \$ 940
	0.5 g \$ 1630
	1 g \$ 2805

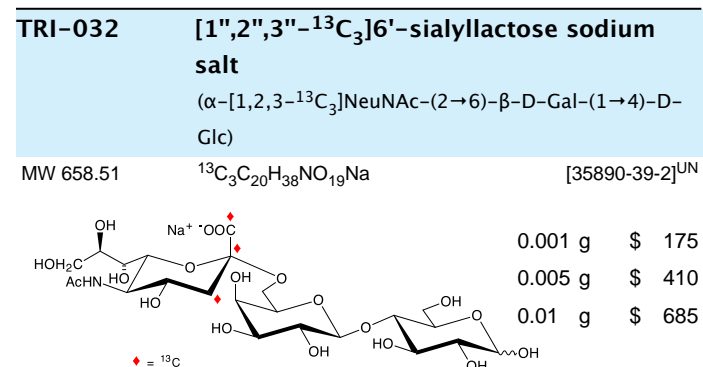
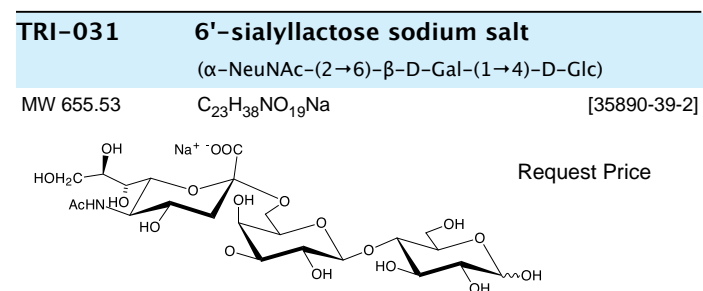
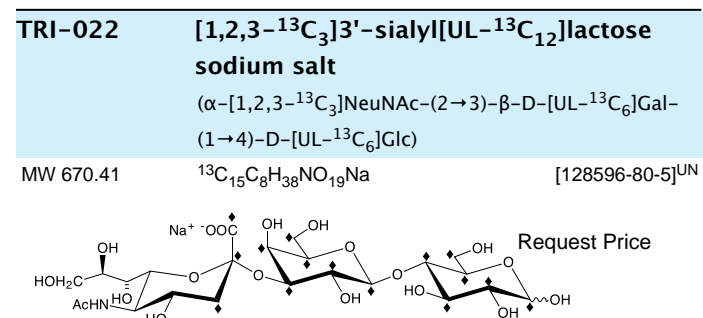
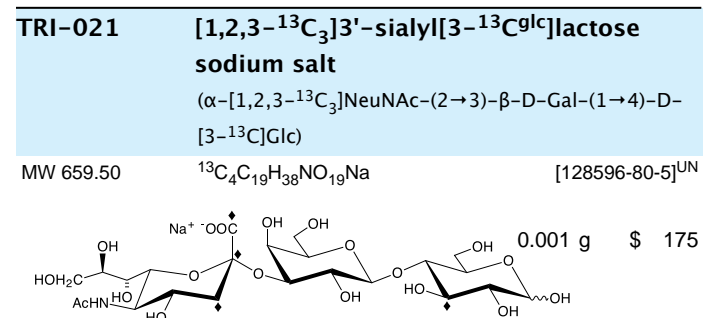
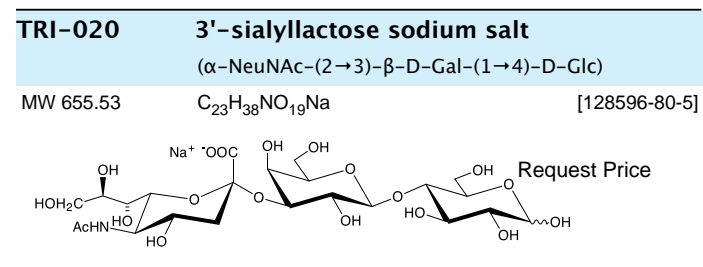
RIB-013	D-[2,5- ¹³ C ₂]ribose
MW 152.11	¹³ C ₂ C ₃ H ₁₀ O ₅ [213825-57-1]
	0.25 g \$ 1455
	0.5 g \$ 2510
	1 g \$ 4275

RIB-035	D-[4,5-¹³C₂]ribose			
MW 152.11	¹³ C ₂ C ₃ H ₁₀ O ₅	[50-69-1] ^{UN}		
		0.1 g	\$ 895	
RIB-039	D-[3,4,5-¹³C₃]ribose			
MW 153.11	¹³ C ₃ C ₂ H ₁₀ O ₅	[50-69-1] ^{UN}		
		Request Price		
RIB-014	D-[2,3,4,5-¹³C₄]ribose			
MW 154.10	¹³ C ₄ CH ₁₀ O ₅	[478506-23-9]		
		0.1 g	\$ 580	
		0.25 g	\$ 1170	
		0.5 g	\$ 1995	
		1 g	\$ 3545	
RIB-015	D-[UL-¹³C₅]ribose			
MW 155.09	¹³ C ₅ H ₁₀ O ₅	[202114-47-4]		
		0.1 g	\$ 280	
		0.25 g	\$ 545	
		0.5 g	\$ 990	
		1 g	\$ 1780	
RIB-036	L-[UL-¹³C₅]ribose			
MW 155.09	¹³ C ₅ H ₁₀ O ₅	[24259-59-4] ^{UN}		
		0.05 g	\$ 660	
		0.1 g	\$ 1230	
RIB-016	D-[1-²H]ribose			
MW 151.14	C ₅ ² HH ₉ O ₅	[119540-50-0]		
		0.1 g	\$ 165	
		0.25 g	\$ 265	
		0.5 g	\$ 430	
		1 g	\$ 720	
RIB-017	D-[2-²H]ribose			
MW 151.14	C ₅ ² HH ₉ O ₅	[202480-69-1]		
		0.1 g	\$ 195	
		0.25 g	\$ 345	
		0.5 g	\$ 570	
		1 g	\$ 930	

RIB-018	D-[3-²H]ribose			
MW 151.14	C ₅ ² HH ₉ O ₅	[169783-76-0]		
		0.1 g	\$ 280	
		0.25 g	\$ 510	
		0.5 g	\$ 915	
		1 g	\$ 1630	
RIB-019	D-[4-²H]ribose			
MW 151.14	C ₅ ² HH ₉ O ₅	[478506-29-5]		
		0.1 g	\$ 365	
		0.25 g	\$ 660	
		0.5 g	\$ 1075	
		1 g	\$ 1780	
RIB-020	D-[5,5'-²H₂]ribose			
MW 152.15	C ₅ ² H ₂ H ₈ O ₅	[478506-32-0]		
		0.1 g	\$ 220	
		0.25 g	\$ 400	
		0.5 g	\$ 675	
		1 g	\$ 1120	
RIB-042	D-[2,3,4,5,5'-²H₅]ribose			
MW 155.16	C ₅ ² H ₅ H ₅ O ₅	[50-69-1] ^{UN}		
		0.05 g	\$ 380	
		0.1 g	\$ 645	
		0.25 g	\$ 1280	
		0.5 g	\$ 2450	
RIB-040	D-[1,2,3,4,5,5'-²H₆]ribose (D-[UL- ² H ₆]ribose)			
MW 156.17	C ₅ ² H ₆ H ₄ O ₅	[50-69-1] ^{UN}		
		0.05 g	\$ 235	
		0.1 g	\$ 400	
		0.25 g	\$ 825	
		0.5 g	\$ 1485	
		1 g	\$ 2660	
RIB-037	D-[1-¹⁸O]ribose			
MW 152.13	C ₅ H ₁₀ ¹⁸ OO ₄	[50-69-1] ^{UN}		
>90 atom-% ¹⁸ O				
		0.05 g	\$ 610	
		0.1 g	\$ 1080	
		0.25 g	\$ 2020	

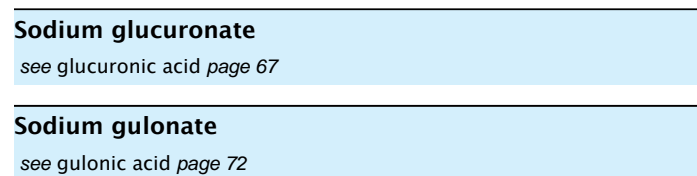
RIB-038	D-[1-¹³C;1-²H]ribose			
MW 152.13	¹³ CC ₄ ² HH ₉ O ₅	[50-69-1] ^{UN}		
		Request Price		
RIB-041	D-[4-¹³C;4-²H]ribose			
MW 152.13	¹³ CC ₄ ² HH ₉ O ₅	[50-69-1] ^{UN}		
		Request Price		
NUC-020	[1'-¹³C]ribothymidine (5-methyl-[1'- ¹³ C]uridine)			
MW 259.22	¹³ CC ₉ H ₁₄ N ₂ O ₆	[201996-60-3]		
		0.1 g	\$ 580	
		0.25 g	\$ 1135	
NUC-021	[2'-¹³C]ribothymidine (5-methyl-[2'- ¹³ C]uridine)			
MW 259.22	¹³ CC ₉ H ₁₄ N ₂ O ₆	[478510-98-4]		
		0.1 g	\$ 700	
		0.25 g	\$ 1375	
NUC-022	[3'-¹³C]ribothymidine (5-methyl-[3'- ¹³ C]uridine)			
MW 259.22	¹³ CC ₉ H ₁₄ N ₂ O ₆	[478511-00-1]		
		0.1 g	\$ 1105	
		0.25 g	\$ 2195	
NUC-023	[5'-¹³C]ribothymidine (5-methyl-[5'- ¹³ C]uridine)			
MW 259.22	¹³ CC ₉ H ₁₄ N ₂ O ₆	[478511-02-3]		
		0.1 g	\$ 825	
		0.25 g	\$ 1630	

NUC-024	[1',2',3',4',5'-¹³C₅]ribothymidine (5-methyl-[1',2',3',4',5'- ¹³ C ₅]uridine)			
MW 263.18	¹³ C ₅ C ₅ H ₁₄ N ₂ O ₆	[159496-17-0]		
		0.1 g	\$ 825	
		0.25 g	\$ 1630	
RBU-004	D-ribulose (D-erythro-pent-2-ulose)			
MW 150.13	C ₅ H ₁₀ O ₅	[488-84-6]		
<i>Supplied as an aqueous solution.</i>				
		0.25 g	\$ 325	
		0.5 g	\$ 525	
		1 g	\$ 895	
RBU-005	L-ribulose (L-erythro-pent-2-ulose)			
MW 150.13	C ₅ H ₁₀ O ₅	[2042-27-5]		
<i>Supplied as an aqueous solution.</i>				
		0.25 g	\$ 305	
		0.5 g	\$ 525	
		1 g	\$ 895	
RBU-001	D-[1-¹³C]ribulose (D-[1- ¹³ C]erythro-pent-2-ulose)			
MW 151.12	¹³ CC ₄ H ₁₀ O ₅	[131771-70-5]		
<i>Supplied as an aqueous solution.</i>				
		Request Price		
RBU-002	D-[2-¹³C]ribulose (D-[2- ¹³ C]erythro-pent-2-ulose)			
MW 151.12	¹³ CC ₄ H ₁₀ O ₅	[131771-71-6]		
<i>Supplied as an aqueous solution.</i>				
		Request Price		
sialic acid see <i>N</i> -acetylneuraminic acid page 23				
sialyl-galacto-<i>N</i>-biose see <i>N</i> -acetylneuraminic acid-Gal-GalNAc page 25				



Sodium arabinonate
see arabinonic acid page 34

Sodium gluconate
see gluconic acid page 61



Sodium gulonate
see gulonic acid page 72

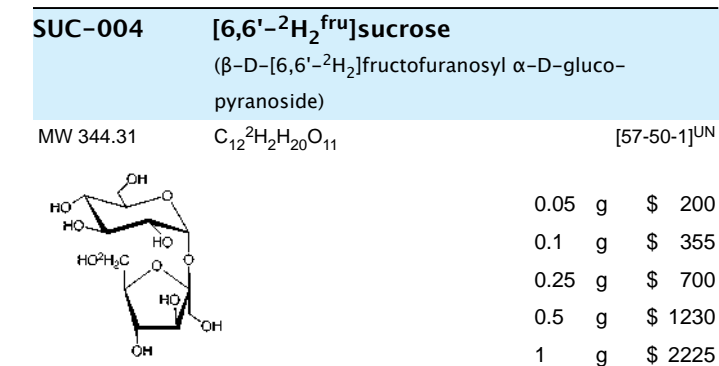
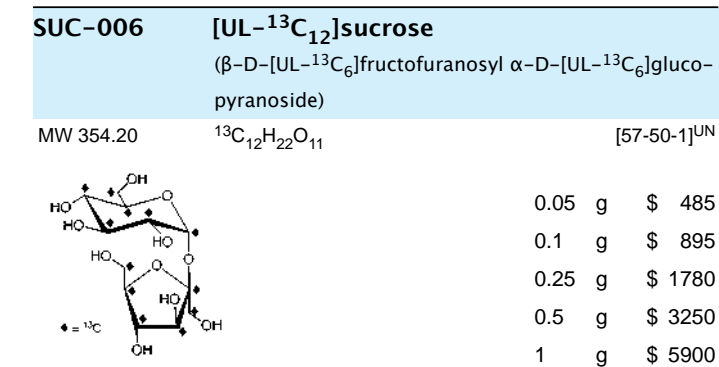
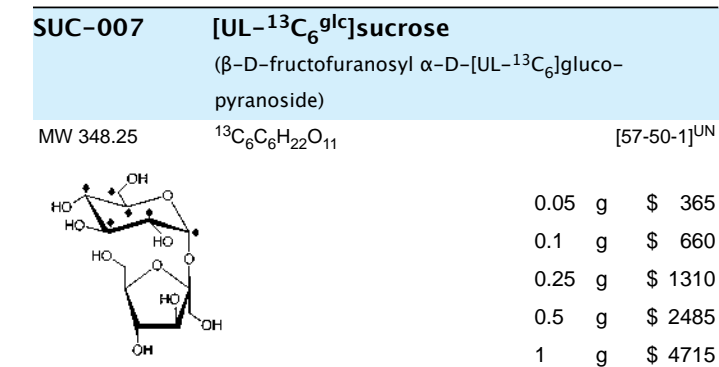
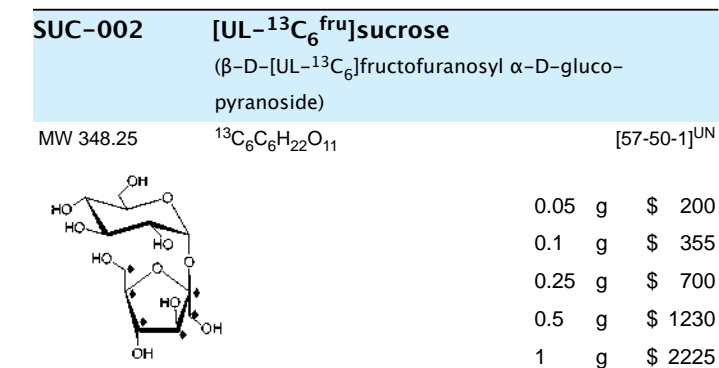
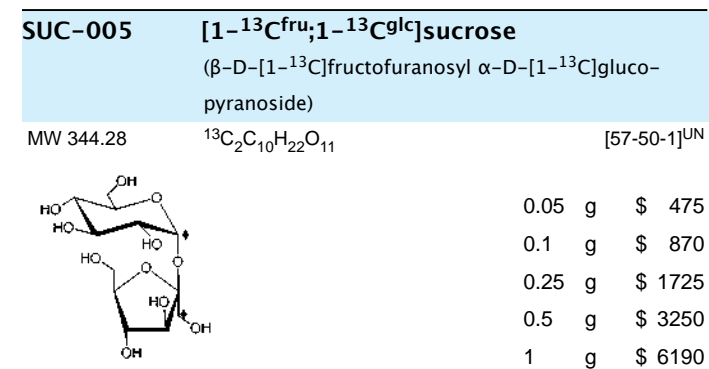
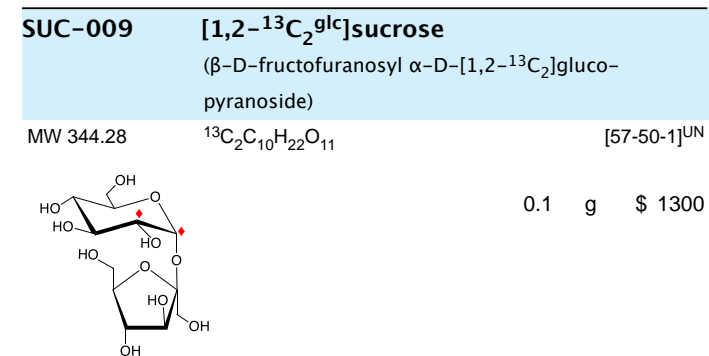
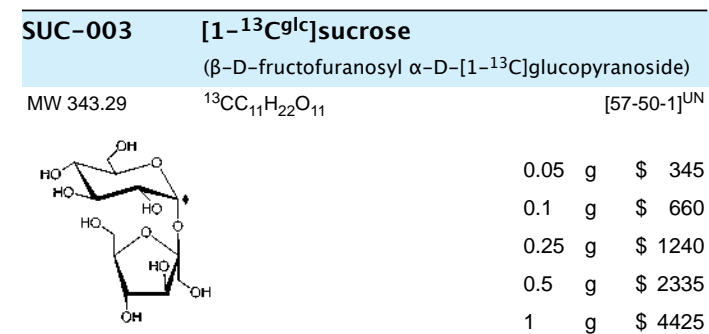
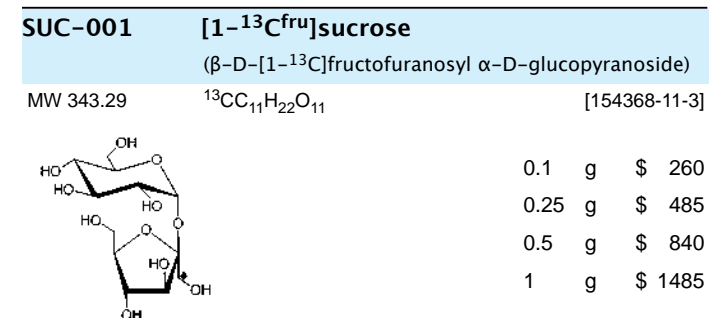
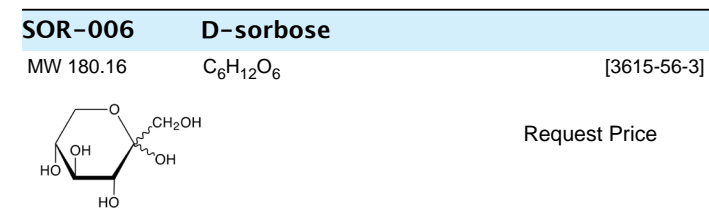
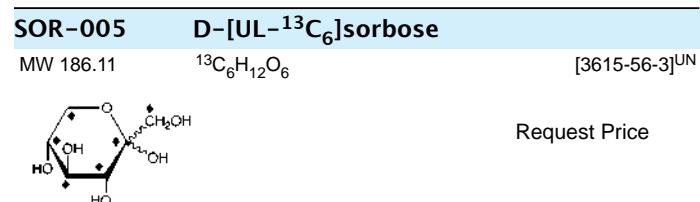
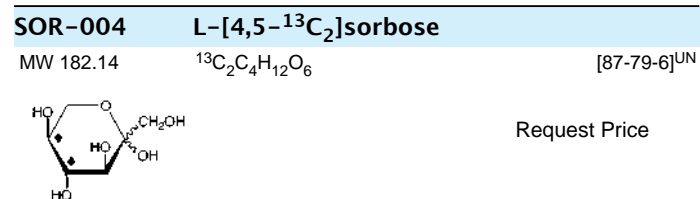
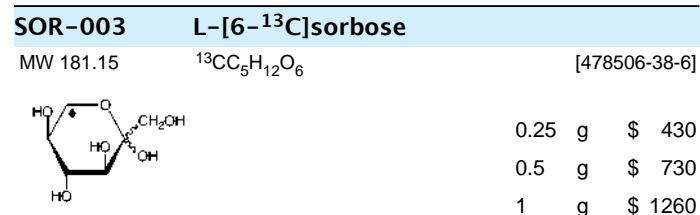
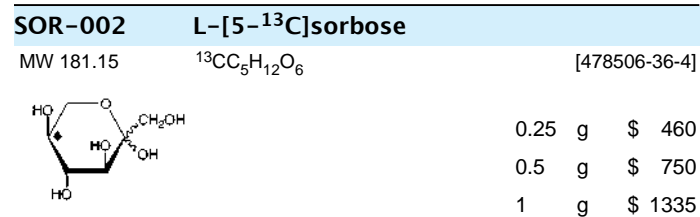
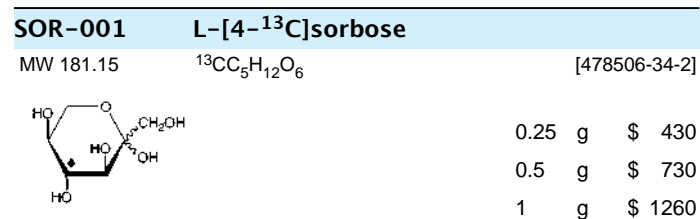
Sodium idonate
see idonic acid page 73

Sodium iduronate
see iduronic acid page 74

Sodium pyruvate
see pyruvic acid page 100

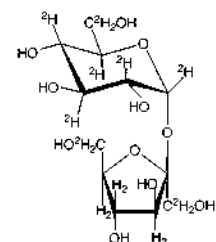
Sodium rhamnate
see rhammonic acid page 100

sorbitol
see glucitol page 59



SUC-008 [UL-²H₁₄]sucrose
(β-D-[UL-²H₇]fructofuranosyl α-D-[UL-²H₇]gluco-
pyranoside)

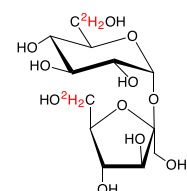
MW 356.39 C₁₂H₂₄H₈O₁₁ [57-50-1]UN



0.05 g \$ 960
0.1 g \$ 1780

SUC-011 [6,6'-²H₂glc;6,6'-²H₂fru]sucrose
(β-D-[6,6'-²H₂]fructofuranosyl α-D-[6,6'-²H₂]
glucopyranoside)

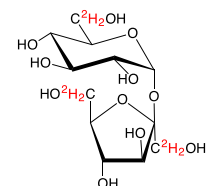
MW 346.32 C₁₂H₂₄H₁₈O₁₁ [57-50-1]UN



Request Price

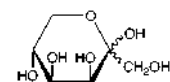
SUC-012 [6,6'-²H₂glc;1,1',6,6'-²H₄fru]sucrose
(β-D-[1,1',6,6'-²H₄]fructofuranosyl α-D-[6,6'-²H₂]
glucopyranoside)

MW 348.33 C₁₂H₂₆H₁₆O₁₁ [57-50-1]UN



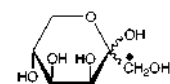
Request Price

TAG-003 D-tagatose
MW 180.16 C₆H₁₂O₆ [87-81-0]



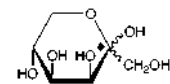
1 g \$ 195

TAG-001 D-[1-¹³C]tagatose
MW 181.15 ¹³CC₅H₁₂O₆ [478506-42-2]



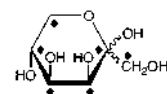
0.25 g \$ 600
0.5 g \$ 1045
1 g \$ 1780

TAG-002 D-[2-¹³C]tagatose
MW 181.15 ¹³CC₅H₁₂O₆ [478506-44-4]



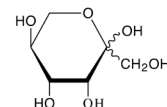
0.25 g \$ 720
0.5 g \$ 1230
1 g \$ 2195

TAG-004 D-[UL-¹³C₆]tagatose
MW 186.11 ¹³C₆H₁₂O₆ [87-81-0]UN



Request Price

TAG-005 L-tagatose
MW 180.16 C₆H₁₂O₆ [17598-82-2]



Request Price

ALD-086 D-talitol
MW 182.17 C₆H₁₄O₆ [643-03-8]



0.25 g \$ 175
0.5 g \$ 305
1 g \$ 545

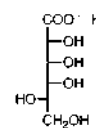
ALD-036 D-[1-¹³C]talitol
MW 183.17 ¹³CC₅H₁₄O₆ [643-03-8]UN



0.25 g \$ 400
0.5 g \$ 675
1 g \$ 1120

TAL-025 L-talonic acid, potassium salt
(Potassium L-talonate)

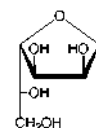
MW 234.25 C₆H₁₁KO₇



Request Price

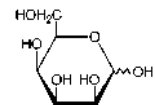
talonic acid lactone
see talono-lactone page 106

TAL-022 D-talono-1,4-lactone
(D-talonic acid γ-lactone)
MW 178.14 C₆H₁₀O₆ [23666-11-7]



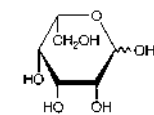
0.25 g \$ 525

TAL-004 D-talose
MW 180.16 C₆H₁₂O₆ [2595-98-4]



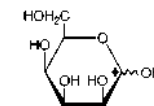
0.25 g \$ 220
0.5 g \$ 365
1 g \$ 580

TAL-005 L-talose
MW 180.16 C₆H₁₂O₆ [23567-25-1]



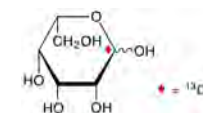
0.25 g \$ 430
0.5 g \$ 720
1 g \$ 1240

TAL-001 D-[1-¹³C]talose
MW 181.15 ¹³CC₅H₁₂O₆ [70849-29-5]



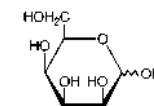
0.25 g \$ 305
0.5 g \$ 525
1 g \$ 895

TAL-007 L-[1-¹³C]talose
MW 181.15 ¹³CC₅H₁₂O₆ [23567-25-1]UN



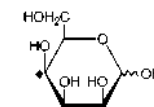
Request Price

TAL-002 D-[2-¹³C]talose
MW 181.15 ¹³CC₅H₁₂O₆ [83379-36-6]



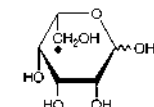
0.25 g \$ 460
0.5 g \$ 765
1 g \$ 1300

TAL-006 D-[4-¹³C]talose
MW 181.15 ¹³CC₅H₁₂O₆ [2595-98-4]UN



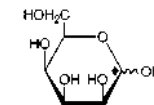
Request Price

TAL-014 L-[6-¹³C]talose
MW 181.15 ¹³CC₅H₁₂O₆ [23567-25-1]UN



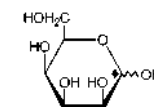
1 g \$ 2295

TAL-008 D-[1,2-¹³C₂]talose
MW 182.14 ¹³C₂C₄H₁₂O₆ [2595-98-4]UN



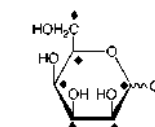
Request Price

TAL-026 D-[1,2,3-¹³C₃]talose
MW 183.13 ¹³C₃C₃H₁₂O₆ [2595-98-4]UN



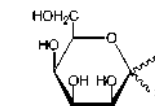
Request Price

TAL-023 D-[UL-¹³C₆]talose
MW 186.11 ¹³C₆H₁₂O₆ [2595-98-4]UN



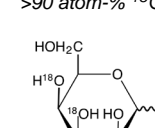
Request Price

TAL-003 D-[1-²H]talose
MW 181.16 C₆²H₁₁O₆ [2595-98-4]UN



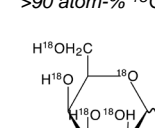
0.25 g \$ 205
0.5 g \$ 305
1 g \$ 445

TAL-030 D-[3,4-¹⁸O₂]talose
MW 184.16 C₆H₁₂¹⁸O₄ [2595-98-4]UN
>90 atom-% ¹⁸O



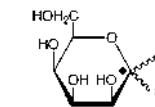
Request Price

TAL-031 D-[UL-¹⁸O₆]talose
MW 192.16 C₆H₁₂¹⁸O₆ [2595-98-4]UN
>90 atom-% ¹⁸O



Request Price

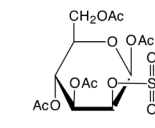
TAL-009 D-[1-¹³C₁;1-²H]talose
MW 182.16 ¹³C₅²H₁₁O₆ [2595-98-4]UN



Request Price

tetraacetylchitotetraose
see N-acetylglucosamine oligomers page 22

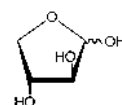
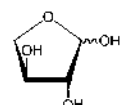
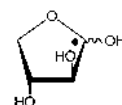
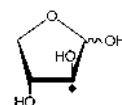
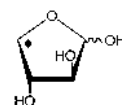
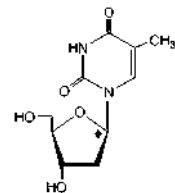
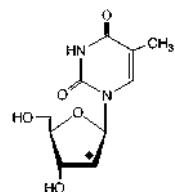
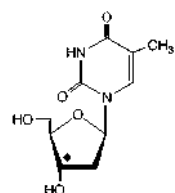
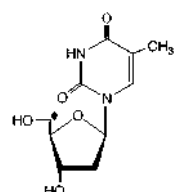
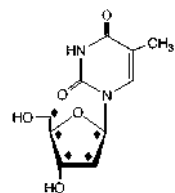
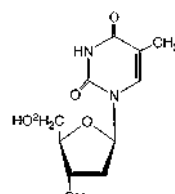
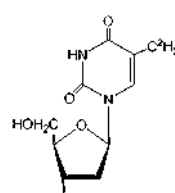
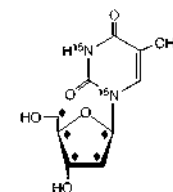
MAN-047 1,3,4,6-tetra-O-acetyl-2-O-trifluoro-
methanesulfonyl-β-D-mannopyranose
(mannose triflate)
MW 480.36 C₁₅H₁₉F₃O₁₂S [92051-23-5]



Request Price

threo-pent-2-ulose
see xylulose page 116

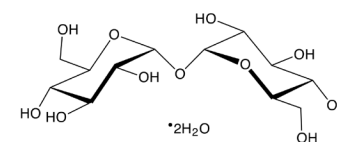
threo-pentos-2-ulose
see xylosone page 116

THR-001 D-threoseMW 120.11 C₄H₈O₄ [95-43-2]
Supplied as an aqueous solution.0.5 g \$ 195
1 g \$ 305**THR-006 L-threose**MW 120.11 C₄H₈O₄ [95-44-3]
Supplied as an aqueous solution.0.25 g \$ 195
0.5 g \$ 280
1 g \$ 380**THR-002 D-[1-¹³C]threose**MW 121.10 ¹³CC₃H₈O₄ [70849-20-6]
Supplied as an aqueous solution.0.25 g \$ 460
0.5 g \$ 765
1 g \$ 1260**THR-003 D-[2-¹³C]threose**MW 121.10 ¹³CC₃H₈O₄ [478506-49-9]
Supplied as an aqueous solution.0.25 g \$ 525
0.5 g \$ 855
1 g \$ 1335**THR-004 D-[4-¹³C]threose**MW 121.10 ¹³CC₃H₈O₄ [90913-09-0]
Supplied as an aqueous solution.0.25 g \$ 590
0.5 g \$ 990
1 g \$ 1630**NUC-025 [1'-¹³C]thymidine**MW 243.22 ¹³CC₉H₁₄N₂O₅ [50-89-5]^{UN}0.05 g \$ 990
0.1 g \$ 1780**NUC-026 [2'-¹³C]thymidine**MW 243.22 ¹³CC₉H₁₄N₂O₅ [185553-96-2]0.05 g \$ 1075
0.1 g \$ 1905**NUC-027 [3'-¹³C]thymidine**MW 243.22 ¹³CC₉H₁₄N₂O₅ [478511-06-7]0.05 g \$ 1780
0.1 g \$ 3250**NUC-028 [5'-¹³C]thymidine**MW 243.22 ¹³CC₉H₁₄N₂O₅ [240407-53-8]0.05 g \$ 1485
0.1 g \$ 2700**NUC-029 [1',2',3',4',5'-¹³C₅]thymidine**MW 247.19 ¹³C₅C₅H₁₄N₂O₅ [156968-81-9]0.05 g \$ 1485
0.1 g \$ 2700**NUC-044 [5',5''-²H₂]thymidine**MW 244.24 C₁₀²H₂H₁₂N₂O₅ [132376-92-2]0.05 g \$ 675
0.1 g \$ 1190**NUC-070 [methyl-²H₃]thymidine**MW 245.25 C₁₀²H₃H₁₁N₂O₅ [74848-84-3]
97 atom-% ²H0.05 g \$ 895
0.1 g \$ 1485**NUC-045 [1',2',3',4',5'-¹³C₅;1,3-¹⁵N₂]thymidine**MW 249.19 ¹³C₅C₅H₁₄¹⁵N₂O₅ [478511-40-9]

Request Price

TRE-016 α,α-trehalose dihydrate

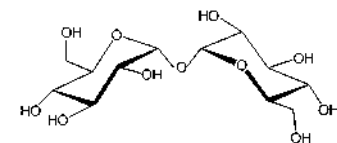
(α-D-glucopyranosyl-α-D-glucopyranoside dihydrate)

MW 378.33 C₁₂H₂₂O₁₁·(H₂O)₂ [6138-23-4]

Request Price

TRE-007 α,α-trehalose

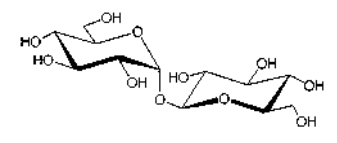
(1-O-α-D-glucopyranosyl-α-D-glucopyranoside)

MW 342.30 C₁₂H₂₂O₁₁ [99-20-7]

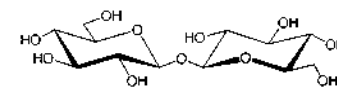
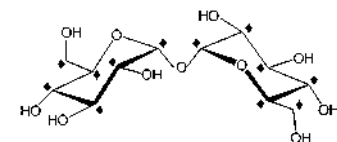
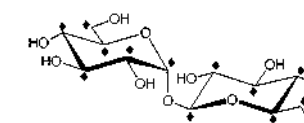
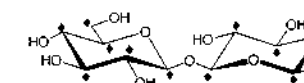
Request Price

TRE-006 α,β-trehalose

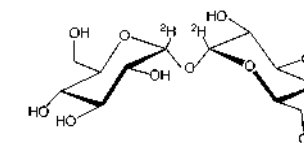
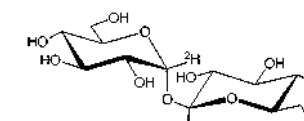
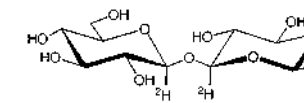
(1-O-α-D-glucopyranosyl-β-D-glucopyranoside)

MW 342.30 C₁₂H₂₂O₁₁ [585-91-1]0.1 g \$ 235
0.25 g \$ 460
0.5 g \$ 825
1 g \$ 1545**TRE-008 β,β-trehalose**

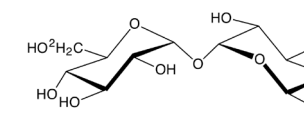
(1-O-β-D-glucopyranosyl-β-D-glucopyranoside)

MW 342.30 C₁₂H₂₂O₁₁ [499-23-0]0.05 g \$ 305
0.1 g \$ 545**TRE-002 α,α-[UL-¹³C₁₂]trehalose**(1-O-α-D-[UL-¹³C₆]glucopyranosyl-α-D-[UL-¹³C₆]glucopyranoside)MW 354.20 ¹³C₁₂H₂₂O₁₁ [99-20-7]^{UN}0.05 g \$ 485
0.1 g \$ 825
0.25 g \$ 1630**TRE-005 α,β-[UL-¹³C₁₂]trehalose**(1-O-α-D-[UL-¹³C₆]glucopyranosyl-β-D-[UL-¹³C₆]glucopyranoside)MW 354.20 ¹³C₁₂H₂₂O₁₁ [585-91-1]^{UN}0.05 g \$ 655
0.1 g \$ 1120
0.25 g \$ 2225**TRE-010 β,β-[UL-¹³C₁₂]trehalose**(1-O-β-D-[UL-¹³C₆]glucopyranosyl-β-D-[UL-¹³C₆]glucopyranoside)MW 354.20 ¹³C₁₂H₂₂O₁₁ [499-23-0]^{UN}

0.005 g \$ 280

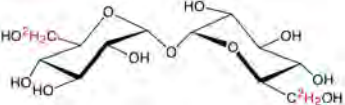
TRE-003 α,α-[1,1'-²H₂]trehalose(1-O-α-D-[1-²H]glucopyranosyl-α-D-[1-²H]glucopyranoside)MW 344.31 C₁₂²H₂H₂₀O₁₁ [99-20-7]^{UN}0.05 g \$ 430
0.1 g \$ 720
0.25 g \$ 1430**TRE-004 α,β-[1,1'-²H₂]trehalose**(1-O-α-D-[1-²H]glucopyranosyl-β-D-[1-²H]glucopyranoside)MW 344.31 C₁₂²H₂H₂₀O₁₁ [585-91-1]^{UN}0.05 g \$ 430
0.1 g \$ 720
0.25 g \$ 1430**TRE-011 β,β-[1,1'-²H₂]trehalose**(1-O-β-D-[1-²H]glucopyranosyl-β-D-[1-²H]glucopyranoside)MW 344.31 C₁₂²H₂H₂₀O₁₁ [499-23-0]^{UN}

Request Price

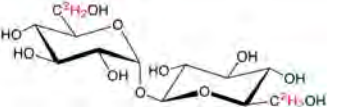
TRE-015 α,α-[6,6'-²H₂]trehalose(α-D-[6,6'-²H₂]glucopyranosyl-(1→1)-α-D-glucopyranoside)MW 344.31 C₁₂²H₂H₂₀O₁₁ [99-20-7]^{UN}

Request Price

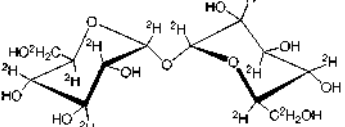
TRE-014 α,α -[6,6',6'',6'''- $^2\text{H}_4$]trehalose
(α -D-[6,6'- $^2\text{H}_2$]glucopyranosyl-(1 \rightarrow 1)- α -D-[6,6'- $^2\text{H}_2$]glucopyranoside)
MW 346.32 $\text{C}_{12}^2\text{H}_4\text{H}_{18}\text{O}_{11}$ [99-20-7]^{UN}
Request Price



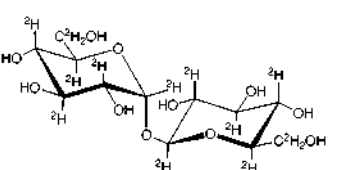
TRE-013 α,β -[6,6',6'',6'''- $^2\text{H}_4$]trehalose
(α -D-[6,6'- $^2\text{H}_2$]glucopyranosyl-(1 \rightarrow 1)- β -D-[6,6'- $^2\text{H}_2$]glucopyranoside)
MW 346.32 $\text{C}_{12}^2\text{H}_4\text{H}_{18}\text{O}_{11}$ [585-91-1]^{UN}
Request Price



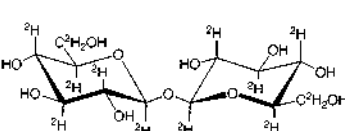
TRE-001 α,α -[UL- $^2\text{H}_{14}$]trehalose
(1-O- α -D-[UL- $^2\text{H}_7$]glucopyranosyl- α -D-[UL- $^2\text{H}_7$]glucopyranoside)
MW 356.39 $\text{C}_{12}^2\text{H}_{14}\text{H}_8\text{O}_{11}$ [99-20-7]^{UN}
0.05 g \$ 600
0.1 g \$ 1020
0.25 g \$ 2045



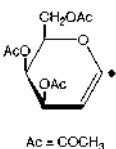
TRE-009 α,β -[UL- $^2\text{H}_{14}$]trehalose
(1-O- α -D-[UL- $^2\text{H}_7$]glucopyranosyl- β -D-[UL- $^2\text{H}_7$]glucopyranoside)
MW 356.39 $\text{C}_{12}^2\text{H}_{14}\text{H}_8\text{O}_{11}$ [585-91-1]^{UN}
Request Price



TRE-012 β,β -[UL- $^2\text{H}_{14}$]trehalose
(1-O- β -D-[UL- $^2\text{H}_7$]glucopyranosyl- β -D-[UL- $^2\text{H}_7$]glucopyranoside)
MW 356.39 $\text{C}_{12}^2\text{H}_{14}\text{H}_8\text{O}_{11}$ [499-23-0]^{UN}
Request Price

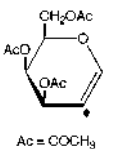

triacetylchitotriosesee *N*-acetylglucosamine oligomers page 22

GAL-020 tri-*O*-acetyl-D-[1- ^{13}C]galactal
MW 273.25 $^{13}\text{C}_{11}\text{H}_{16}\text{O}_7$ [478518-74-0]
0.25 g \$ 460
0.5 g \$ 785
1 g \$ 1395



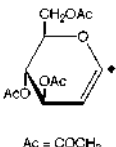
Ac = COCH₃

GAL-021 tri-*O*-acetyl-D-[2- ^{13}C]galactal
MW 273.25 $^{13}\text{C}_{11}\text{H}_{16}\text{O}_7$ [478518-76-2]
0.25 g \$ 510
0.5 g \$ 880
1 g \$ 1575



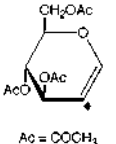
Ac = COCH₃

GLC-045 tri-*O*-acetyl-D-[1- ^{13}C]glucal
MW 273.25 $^{13}\text{C}_{11}\text{H}_{16}\text{O}_7$ [478529-35-0]
0.25 g \$ 280
0.5 g \$ 485
1 g \$ 840



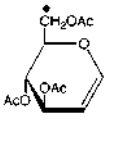
Ac = COCH₃

GLC-046 tri-*O*-acetyl-D-[2- ^{13}C]glucal
MW 273.25 $^{13}\text{C}_{11}\text{H}_{16}\text{O}_7$ [478529-36-1]
0.25 g \$ 365
0.5 g \$ 660
1 g \$ 1190



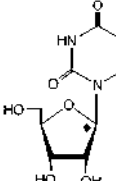
Ac = COCH₃

GLC-047 tri-*O*-acetyl-D-[6- ^{13}C]glucal
MW 273.25 $^{13}\text{C}_{11}\text{H}_{16}\text{O}_7$ [478529-37-2]
0.25 g \$ 580
0.5 g \$ 990
1 g \$ 1780

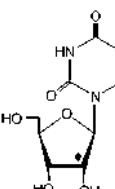


Ac = COCH₃

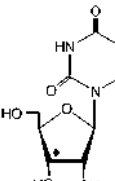
NUC-030 [1'- ^{13}C]uridine
MW 245.20 $^{13}\text{C}_8\text{H}_{12}\text{N}_2\text{O}_6$ [201996-62-5]
0.05 g \$ 600
0.1 g \$ 1045
0.25 g \$ 2075



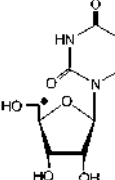
NUC-031 [2'- ^{13}C]uridine
MW 245.20 $^{13}\text{C}_8\text{H}_{12}\text{N}_2\text{O}_6$ [478511-11-4]
0.1 g \$ 1120
0.25 g \$ 2225



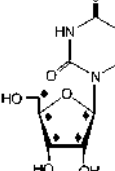
NUC-032 [3'- ^{13}C]uridine
MW 245.20 $^{13}\text{C}_8\text{H}_{12}\text{N}_2\text{O}_6$ [478511-14-7]
0.1 g \$ 1780
0.25 g \$ 3545



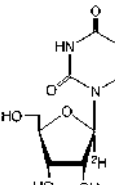
NUC-033 [5'- ^{13}C]uridine
MW 245.20 $^{13}\text{C}_8\text{H}_{12}\text{N}_2\text{O}_6$ [478511-16-9]
0.1 g \$ 1630
0.25 g \$ 3250



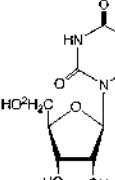
NUC-034 [1',2',3',4',5'- $^{13}\text{C}_5$]uridine
MW 249.17 $^{13}\text{C}_5\text{C}_4\text{H}_{12}\text{N}_2\text{O}_6$ [159496-16-9]
0.1 g \$ 1630
0.25 g \$ 3250



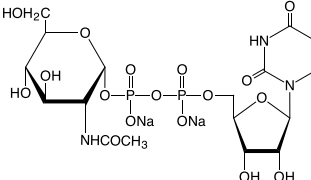
NUC-053 [1'- ^2H]uridine
MW 245.21 $\text{C}_8^2\text{H}_{11}\text{N}_2\text{O}_6$ [58-96-8]^{UN}
0.1 g \$ 1280
0.25 g \$ 2510



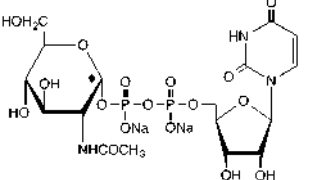
NUC-046 [5',5''- $^2\text{H}_2$]uridine
MW 246.22 $\text{C}_8^2\text{H}_2\text{H}_{10}\text{N}_2\text{O}_6$ [82740-98-5]
0.05 g \$ 1015
0.1 g \$ 1705
0.25 g \$ 3395



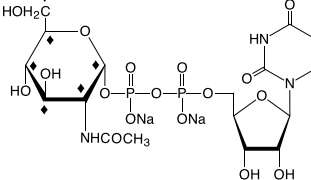
NTS-012 uridine diphosphate- α -*N*-acetyl-D-glucosamine, disodium salt
(UDP- α -*N*-acetyl-D-glucosamine, disodium salt)
MW 651.32 $\text{C}_{17}\text{H}_{25}\text{N}_3\text{Na}_2\text{O}_{17}\text{P}_2$ [91183-98-1]
0.005 g \$ 150



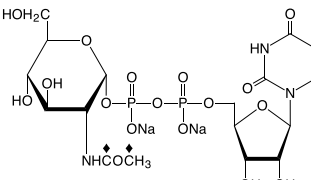
NTS-003 uridine diphosphate- α -*N*-acetyl-D-[1- ^{13}C]glucosamine, disodium salt
(UDP- α -*N*-acetyl-D-[1- ^{13}C]glucosamine, disodium salt)
MW 652.31 $^{13}\text{C}_{16}\text{H}_{25}\text{N}_3\text{Na}_2\text{O}_{17}\text{P}_2$ [91183-98-1]^{UN}
0.001 g \$ 280
0.002 g \$ 480

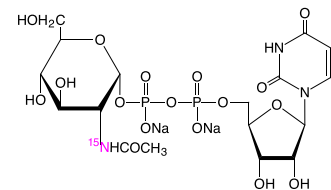


NTS-009 uridine diphosphate- α -*N*-acetyl-D-[UL- $^{13}\text{C}_6$]glucosamine, disodium salt
(UDP- α -*N*-acetyl-D-[UL- $^{13}\text{C}_6$]glucosamine, disodium salt)
MW 657.27 $^{13}\text{C}_6\text{C}_{11}\text{H}_{25}\text{N}_3\text{Na}_2\text{O}_{17}\text{P}_2$ [91183-98-1]^{UN}
0.001 g \$ 305
0.002 g \$ 580

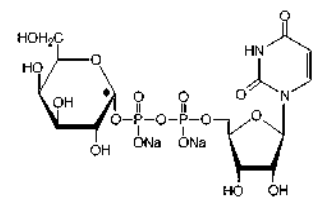
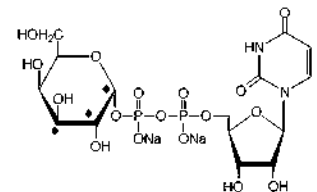
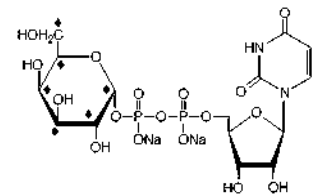
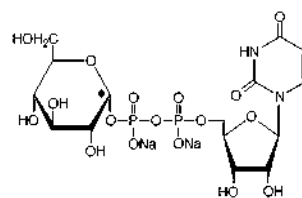
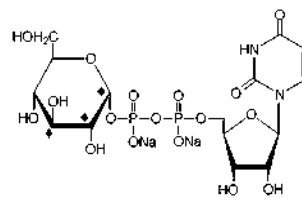


NTS-010 uridine diphosphate- α -*N*-[1,2- $^{13}\text{C}_2$]acetyl-D-glucosamine, disodium salt
(UDP- α -*N*-[1,2- $^{13}\text{C}_2$]acetyl-D-glucosamine, disodium salt)
MW 653.30 $^{13}\text{C}_2\text{C}_{15}\text{H}_{25}\text{N}_3\text{Na}_2\text{O}_{17}\text{P}_2$ [91183-98-1]^{UN}
0.001 g \$ 545

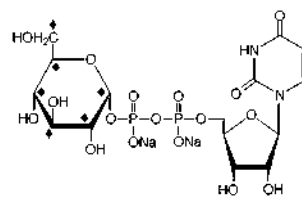
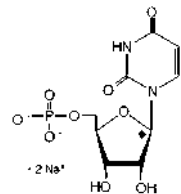


NTS-011 uridine diphosphate- α -N-acetyl-D-[^{15}N]glucosamine, disodium salt
(UDP- α -N-acetyl-D-[^{15}N]glucosamine, disodium salt)MW 652.32 $\text{C}_{17}\text{H}_{25}^{15}\text{NN}_2\text{Na}_2\text{O}_{17}\text{P}_2$ [91183-98-1]^{UN}

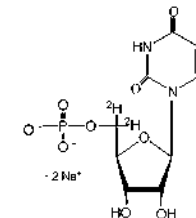
Request Price

NTS-002 uridine diphosphate- α -D-[1- ^{13}C]galactose, disodium salt
(UDP- α -D-[1- ^{13}C]galactose, disodium salt)MW 611.26 $^{13}\text{CC}_{14}\text{H}_{22}\text{N}_2\text{Na}_2\text{O}_{17}\text{P}_2$ [137868-52-1]^{UN}0.001 g \$ 220
0.002 g \$ 360
0.005 g \$ 705
0.01 g \$ 1120**NTS-008 uridine diphosphate- α -D-[1,2,3- $^{13}\text{C}_3$]galactose, disodium salt**
(UDP- α -D-[1,2,3- $^{13}\text{C}_3$]galactose, disodium salt)MW 613.24 $^{13}\text{C}_3\text{C}_{12}\text{H}_{22}\text{N}_2\text{Na}_2\text{O}_{17}\text{P}_2$ [137868-52-1]^{UN}0.001 g \$ 280
0.002 g \$ 460
0.005 g \$ 825
0.01 g \$ 1485**NTS-005 uridine diphosphate- α -D-[UL- $^{13}\text{C}_6$]galactose, disodium salt**
(UDP- α -D-[UL- $^{13}\text{C}_6$]galactose, disodium salt)MW 616.22 $^{13}\text{C}_6\text{C}_9\text{H}_{22}\text{N}_2\text{Na}_2\text{O}_{17}\text{P}_2$ [137868-52-1]^{UN}0.001 g \$ 235
0.002 g \$ 380
0.005 g \$ 750
0.01 g \$ 1190**NTS-001 uridine diphosphate- α -D-[1- ^{13}C]glucose, disodium salt**
(UDP- α -D-[1- ^{13}C]glucose, disodium salt)MW 611.26 $^{13}\text{CC}_{14}\text{H}_{22}\text{N}_2\text{Na}_2\text{O}_{17}\text{P}_2$ [478529-38-3]0.001 g \$ 180
0.002 g \$ 305
0.005 g \$ 580
0.01 g \$ 895**NTS-007 uridine diphosphate- α -D-[1,2,3- $^{13}\text{C}_3$]glucose, disodium salt**
(UDP- α -D-[1,2,3- $^{13}\text{C}_3$]glucose, disodium salt)MW 613.24 $^{13}\text{C}_3\text{C}_{12}\text{H}_{22}\text{N}_2\text{Na}_2\text{O}_{17}\text{P}_2$ [28053-08-9]^{UN}

0.001 g \$ 250

NTS-006 uridine diphosphate- α -D-[UL- $^{13}\text{C}_6$]glucose, disodium salt
(UDP- α -D-[UL- $^{13}\text{C}_6$]glucose, disodium salt)MW 616.22 $^{13}\text{C}_6\text{C}_9\text{H}_{22}\text{N}_2\text{Na}_2\text{O}_{17}\text{P}_2$ [28053-08-9]^{UN}0.001 g \$ 195
0.002 g \$ 345
0.005 g \$ 660
0.01 g \$ 1045**NCT-003 [1- ^{13}C]uridine 5'-monophosphate, disodium salt**
([1- ^{13}C]5'-uridylic acid, disodium salt)MW 369.14 $^{13}\text{CC}_8\text{H}_{11}\text{N}_2\text{Na}_2\text{O}_9\text{P}$ [3387-36-8]^{UN}

Request Price

NCT-004 [5',5''- $^2\text{H}_2$]uridine 5'-monophosphate, disodium salt
([5',5''- $^2\text{H}_2$]5'-uridylic acid, disodium salt)MW 370.16 $\text{C}_9^2\text{H}_9\text{N}_2\text{Na}_2\text{O}_9\text{P}$ [3387-36-8]^{UN}

Request Price

5'-uridylic acid

see uridine 5'-monophosphate page 113

vitamin C

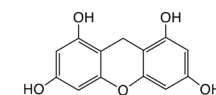
see ascorbic acid page 36

WTR-001 ^{18}O Water(Water- ^{18}O)MW 20.02 H_2^{18}O [14314-42-2]
98 atom-% ^{18}O H_2^{18}O

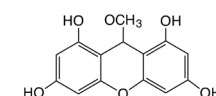
1 g \$ 380

XAN-001 Xanthene-1,3,6,8-tetraol

(9H-Xanthene-1,3,6,8-tetraol)

MW 246.22 $\text{C}_{13}\text{H}_{10}\text{O}_5$ [27393-39-1]

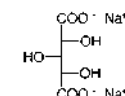
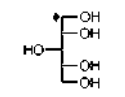
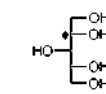
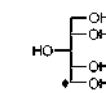
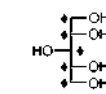
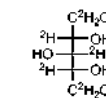
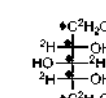
Request Price

XAN-002 9-Methyl xanthene-1,3,6,8-tetraolMW 276.24 $\text{C}_{14}\text{H}_{12}\text{O}_6$ 

Request Price

XYL-029 xylaric acid, disodium salt

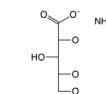
(Disodium xylarate)

MW 224.08 $\text{C}_5\text{H}_6\text{Na}_2\text{O}_7$ 0.1 g \$ 365
0.25 g \$ 720**ALD-037 D-[1- ^{13}C]xylitol**MW 153.14 $^{13}\text{CC}_4\text{H}_{12}\text{O}_5$ [87-99-0]^{UN}0.25 g \$ 400
0.5 g \$ 675
1 g \$ 1120**ALD-038 D-[2- ^{13}C]xylitol**MW 153.14 $^{13}\text{CC}_4\text{H}_{12}\text{O}_5$ [87-99-0]^{UN}0.25 g \$ 460
0.5 g \$ 750
1 g \$ 1260**ALD-039 D-[5- ^{13}C]xylitol**MW 153.14 $^{13}\text{CC}_4\text{H}_{12}\text{O}_5$ [87-99-0]^{UN}0.25 g \$ 1025
0.5 g \$ 1695
1 g \$ 2805**ALD-060 [UL- $^{13}\text{C}_5$]xylitol**MW 157.11 $^{13}\text{C}_5\text{H}_{12}\text{O}_5$ [87-99-0]^{UN}0.1 g \$ 280
0.25 g \$ 545
0.5 g \$ 990
1 g \$ 1780**ALD-077 [UL- $^2\text{H}_7$]xylitol**([1,1',2,3,4,5,5'- $^2\text{H}_7$]xylitol)MW 159.19 $\text{C}_5^2\text{H}_7\text{H}_5\text{O}_5$ [87-99-0]^{UN}0.01 g \$ 155
0.025 g \$ 235
0.05 g \$ 370
0.1 g \$ 685**ALD-075 [UL- $^{13}\text{C}_5$;UL- $^2\text{H}_7$]xylitol**([UL- $^{13}\text{C}_5$;1,1',2,3,4,5,5'- $^2\text{H}_7$]xylitol)MW 164.15 $^{13}\text{C}_5^2\text{H}_7\text{H}_5\text{O}_5$ [87-99-0]^{UN}
99 atom-% ^{13}C ; 97 atom-% ^2H 

Request Price

XYL-035 D-xylonic acid ammonium salt

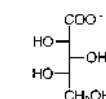
(Ammonium D-xylonate)

MW 183.16 $\text{C}_5\text{H}_9\text{O}_6\cdot\text{NH}_4$ [5461-96-1]

Request Price

XYL-034 L-xylonic acid, potassium salt

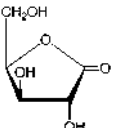
(Potassium L-xylonate)

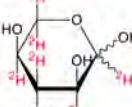
MW 204.22 $\text{C}_5\text{H}_9\text{KO}_6$ 

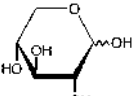
Request Price

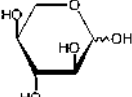
xylonic acid lactone

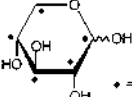
see xylono-lactone page 114

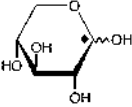
XYL-026	D-xylono-1,4-lactone (D-xylonic acid γ -lactone)
MW 148.11	$C_5H_8O_5$ [15384-37-9]
	1 g \$ 435

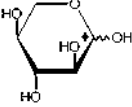
XYL-038	L-[UL-2H_6]xylose
MW 156.17	$C_5^2H_6H_4O_5$ [609-06-3] ^{UN}
	Request Price

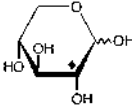
XYL-024	D-xylose (D-xyl/o-pentose)
MW 150.13	$C_5H_{10}O_5$ [58-86-6]
	Request Price

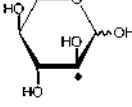
XYL-023	L-xylose (L-xyl/o-pentose)
MW 150.13	$C_5H_{10}O_5$ [609-06-3]
	Request Price

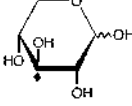
XYL-018	D-[UL-$^{12}C_5$]xylose (^{13}C depleted)
MW 150.08	$^{12}C_5H_{10}O_5$ [58-86-6] ^{UN}
99.9 atom-% ^{12}C	
	Request Price

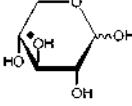
XYL-003	D-[1-^{13}C]xylose
MW 151.12	$^{13}CC_4H_{10}O_5$ [70849-21-7]
	0.1 g \$ 195
	0.25 g \$ 345
	0.5 g \$ 580
	1 g \$ 960

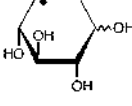
XYL-010	L-[1-^{13}C]xylose
MW 151.12	$^{13}CC_4H_{10}O_5$ [178101-87-6]
	0.25 g \$ 510
	0.5 g \$ 895
	1 g \$ 1630

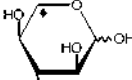
XYL-004	D-[2-^{13}C]xylose
MW 151.12	$^{13}CC_4H_{10}O_5$ [131771-69-2]
	0.25 g \$ 400
	0.5 g \$ 655
	1 g \$ 1090

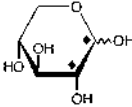
XYL-011	L-[2-^{13}C]xylose
MW 151.12	$^{13}CC_4H_{10}O_5$ [478506-63-7]
	0.25 g \$ 795
	0.5 g \$ 1395
	1 g \$ 2510

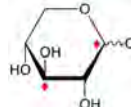
XYL-019	D-[3-^{13}C]xylose
MW 151.12	$^{13}CC_4H_{10}O_5$ [58-86-6] ^{UN}
	0.25 g \$ 785
	0.5 g \$ 1250
	1 g \$ 2225

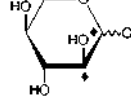
XYL-020	D-[4-^{13}C]xylose
MW 151.12	$^{13}CC_4H_{10}O_5$ [58-86-6] ^{UN}
	0.25 g \$ 895
	0.5 g \$ 1485
	1 g \$ 2660

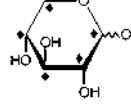
XYL-005	D-[5-^{13}C]xylose
MW 151.12	$^{13}CC_4H_{10}O_5$ [139657-63-9]
	0.25 g \$ 795
	0.5 g \$ 1375
	1 g \$ 2365

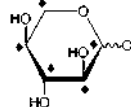
XYL-012	L-[5-^{13}C]xylose
MW 151.12	$^{13}CC_4H_{10}O_5$ [478506-64-8]
	0.1 g \$ 870
	0.25 g \$ 1995

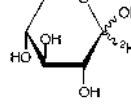
XYL-006	D-[1,2-$^{13}C_2$]xylose
MW 152.12	$^{13}C_2C_3H_{10}O_5$ [201741-00-6]
<i>base price changed from \$110 to \$80 on Nov.6.2017</i>	
	0.05 g \$ 130
	0.1 g \$ 220
	0.25 g \$ 400
	0.5 g \$ 675
	1 g \$ 1190

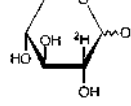
XYL-036	D-[1,3-$^{13}C_2$]xylose
MW 152.12	$^{13}C_2C_3H_{10}O_5$ [58-86-6] ^{UN}
	Request Price

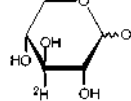
XYL-028	L-[1,2-$^{13}C_2$]xylose
MW 152.12	$^{13}C_2C_3H_{10}O_5$ [609-06-3] ^{UN}
	Request Price

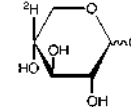
XYL-007	D-[UL-$^{13}C_5$]xylose
MW 155.10	$^{13}C_5H_{10}O_5$ [58-86-6] ^{UN}
	0.05 g \$ 165
	0.1 g \$ 235
	0.25 g \$ 460
	0.5 g \$ 785
	1 g \$ 1310

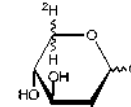
XYL-025	L-[UL-$^{13}C_5$]xylose
MW 155.10	$^{13}C_5H_{10}O_5$ [609-06-3] ^{UN}
	0.05 g \$ 180
	0.1 g \$ 260
	0.25 g \$ 485
	0.5 g \$ 840
	1 g \$ 1485

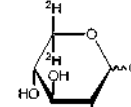
XYL-008	D-[1-2H]xylose
MW 151.14	$C_5^2HH_9O_5$ [288846-89-9]
	0.25 g \$ 275
	0.5 g \$ 445
	1 g \$ 750

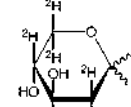
XYL-009	D-[2-2H]xylose
MW 151.14	$C_5^2HH_9O_5$ [288846-91-3]
	0.25 g \$ 330
	0.5 g \$ 515
	1 g \$ 895

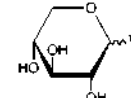
XYL-017	D-[3-2H]xylose
MW 151.14	$C_5^2HH_9O_5$ [58-86-6] ^{UN}
	Request Price

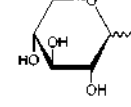
XYL-014	D-[4-2H]xylose
MW 151.14	$C_5^2HH_9O_5$ [58-86-6] ^{UN}
	Request Price

XYL-015	D-[5-2H]xylose
MW 151.14	$C_5^2HH_9O_5$ [58-86-6] ^{UN}
<i>Monodeuterated non-stereospecifically at C5.</i>	
	0.1 g \$ 220
	0.25 g \$ 430
	0.5 g \$ 720
	1 g \$ 1190

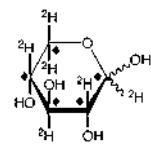
XYL-013	D-[5,5'-2H_2]xylose
MW 152.15	$C_5^2H_2H_8O_5$ [58-86-6] ^{UN}
	Request Price

XYL-016	D-[UL-2H_6]xylose
MW 156.17	$C_5^2H_6H_4O_5$ [58-86-6] ^{UN}
	0.05 g \$ 515
	0.1 g \$ 965
	0.25 g \$ 1905

XYL-031	D-[1-^{18}O]xylose
MW 152.13	$C_5H_{10}^{18}OO_4$ [58-86-6] ^{UN}
>90 atom-% ^{18}O	
	Request Price

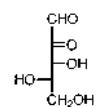
XYL-032	D-[5-^{18}O]xylose
MW 152.13	$C_5H_{10}^{18}OO_4$ [58-86-6] ^{UN}
>90 atom-% ^{18}O	
	0.01 g \$ 280
	0.025 g \$ 545
	0.05 g \$ 895

XYL-030 **D-[UL-¹³C₅;UL-²H₆]xylose**
(D-[UL-¹³C₅;1,2,3,4,5,5'-²H₆]xylose)
MW 161.13 ¹³C₅²H₆H₄O₅ [58-86-6]^{UN}
99 atom-% ¹³C; 97 atom-% ²H



Request Price

XYL-033 **L-xylosone**
(L-threo-pentose-2-ulose)
MW 148.11 C₅H₈O₅ [26188-06-7]
Supplied as an aqueous solution.



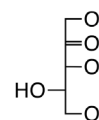
Request Price

XYU-001 **D-xylose**
(D-threo-pentose-2-ulose)
MW 150.13 C₅H₁₀O₅ [551-84-8]
Supplied as an aqueous solution.



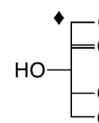
0.025 g \$ 130
0.05 g \$ 195
0.1 g \$ 305
0.25 g \$ 525

XYU-009 **L-xylose**
(L-threo-pentose-2-ulose)
MW 150.13 C₅H₁₀O₅ [527-50-4]
Supplied as an aqueous solution.



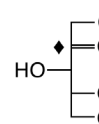
0.025 g \$ 195
0.05 g \$ 305
0.1 g \$ 525
0.25 g \$ 1015

XYU-002 **D-[1-¹³C]xylose**
(D-[1-¹³C]threo-pentose-2-ulose)
MW 151.12 ¹³CC₄H₁₀O₅ [131771-46-5]
Supplied as an aqueous solution.



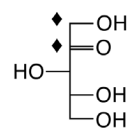
0.25 g \$ 795
0.5 g \$ 1375
1 g \$ 2365

XYU-003 **D-[2-¹³C]xylose**
(D-[2-¹³C]threo-pentose-2-ulose)
MW 151.12 ¹³CC₄H₁₀O₅ [131771-47-6]
Supplied as an aqueous solution.



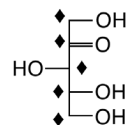
0.25 g \$ 1015
0.5 g \$ 1725
1 g \$ 3110

XYU-005 **D-[1,2-¹³C₂]xylulose**
(D-[1,2-¹³C₂]threo-pentose-2-ulose)
MW 152.11 ¹³C₂C₃H₁₀O₅ [551-84-8]^{UN}
Supplied as an aqueous solution.



Request Price

XYU-006 **D-[UL-¹³C₅]xylulose**
(D-[UL-¹³C₅]threo-pentose-2-ulose)
MW 155.09 ¹³C₅H₁₀O₅ [551-84-8]^{UN}
Supplied as an aqueous solution.



0.01 g \$ 280

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GLC-11064	GLC-16198	HEP-00761	IDO-01773	MAN-00223
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GLC-11261	GLC-16361	HEP-00980	IDO-01974	MAN-00480
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GLC-11666	GLC-16766	HEX-00290	LAC-00176	MAN-00781
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GLC-11864	GLC-16920	HEX-00489	LAC-00376	MAN-00981
GLC-12098	GLC-91863	HEX-00522	LAC-00476	MAN-01081
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GLC-12567	GLE-00269	HEX-00779	LAC-00676	MAN-01282
GLC-12666	GLE-00369	HEX-00893	LAC-00776	MAN-01382
GLC-12766	GLE-00469	HEX-00993	LAC-00876	MAN-01482
GLC-12866	GLE-00569	HEX-01089	LAC-00977	MAN-01582
GLC-12967	GLE-00669	HEX-01189	LAC-01077	MAN-01623
GLC-13067	GLE-00769	HEX-01289	LAC-01322	MAN-01723
GLC-13142	GLE-00869	HEX-01395	LAC-01423	MAN-01881
GLC-13240	GLE-00970	HEX-01490	LAC-01523	MAN-01982
GLC-13341	GLE-01070	HEX-01594	LAC-01623	MAN-020100
GLC-13466	GLE-01170	HEX-01694	LYX-00177	MAN-021100
GLC-13566	GLE-01270	HEX-01793	LYX-00277	MAN-02240
GLC-13667	GLE-01369	HEX-01893	LYX-00378	MAN-02339
GLC-13762	GLE-01569	HEX-01993	LYX-00478	MAN-02482
GLC-13840	GLE-01670	HEX-02094	LYX-00578	MAN-02582
GLC-13940	GLO-00171	HEX-02125	LYX-00678	MAN-02682
GLC-14067	GLO-00271	HEX-02225	LYX-00777	MAN-02781
GLC-14141	GLO-00371	HEX-02395	LYX-00877	MAN-02881
GLC-14242	GUL-00172	HEX-02495	LYX-00978	MAN-03081
GLC-14361	GUL-00272	HEX-02596	LYX-01078	MAN-03183
GLC-14541	GUL-00372	HEX-02695	LYX-01177	MAN-03282
GLC-14641	GUL-00472	HEX-02796	LYX-01377	MAN-03582
GLC-14864	GUL-01172	HEX-02895	LYX-01477	MAN-03681
GLC-14964	GUL-01272	HEX-02968	LYX-01577	MAN-03982
GLC-15041	GUL-01373		LYX-01677	MAN-04080
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MAN-05183	NTS-012112	NUC-04042	OLI-01896	PEN-02098
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MAN-06283	NUC-00528	NUC-04839	OLI-02694	PEN-02876
MAN-06383	NUC-00628	NUC-04938	OLI-02758	PEN-02976
MAN-06481	NUC-00738	NUC-05039	OLI-02869	PEN-03058
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	NUC-00938	NUC-05242	OLI-03068	PSI-002100
NCT-00128	NUC-01038	NUC-053111	OLI-03125	PSI-003100
NCT-00228	NUC-01139	NUC-05443	OLI-03226	PSI-004100
NCT-003113	NUC-01239	NUC-05638	OLI-03326	PYR-002100
NCT-004113	NUC-01339	NUC-06028	OLI-03427	
NCT-00571	NUC-01439	NUC-06142	OLI-03558	RBU-001104
NEU-00123	NUC-01543	NUC-06242	OLI-03658	RBU-002104
NEU-00224	NUC-01643	NUC-06371	OLI-03759	RBU-00343
NEU-00324	NUC-01743	NUC-06442	OLI-03827	RBU-004104
NEU-00424	NUC-01843	NUC-06571	OLI-03926	RBU-005104
NEU-00524	NUC-01943	NUC-06671	OLI-04026	RHA-001100
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NEU-00723	NUC-021103	NUC-07139	PEN-00188	RHA-003101
NEU-00824	NUC-022103	NUC-07274	PEN-00288	RHA-004100
NEU-00924	NUC-023103	NUC-07474	PEN-00387	RHA-005101
NEU-01024	NUC-024104	NUC-07544	PEN-00488	RIB-00142
NEU-01124	NUC-025108		PEN-00588	RIB-00242
NEU-01225	NUC-026109	OLI-00475	PEN-00688	RIB-00343
NEU-01324	NUC-027109	OLI-00590	PEN-00787	RIB-00443
NEU-01425	NUC-028109	OLI-00690	PEN-00888	RIB-00543
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