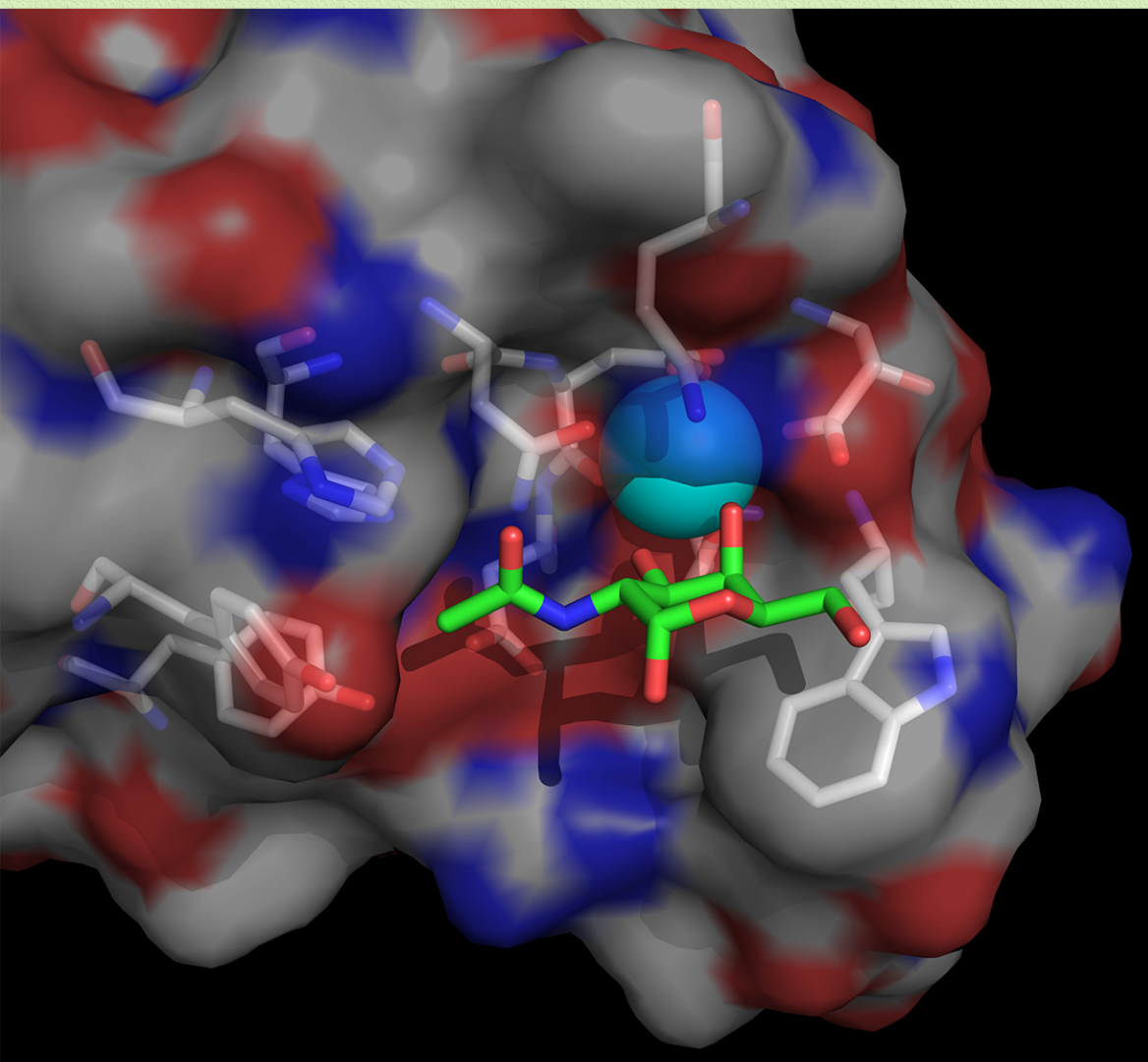




Stable Isotopically Labeled Saccharides, Nucleosides,  
and Their Derivatives



Products  
Catalog  
January 2024

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

*More Than  
1000  
Products*

Stable Isotopes since 1982  
[www.omicronbio.com](http://www.omicronbio.com)



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OMICRON BIOCHEMICALS, INC. develops new and improved methods to introduce stable isotopes, primarily <sup>13</sup>C, <sup>2</sup>H, <sup>15</sup>N and <sup>18</sup>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.

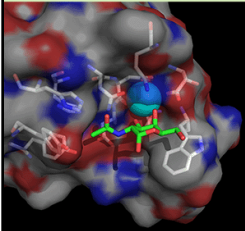
Over the past few years, Omicron has devoted increased effort to the preparation of unlabeled and stable isotopically labeled oligosaccharides, including high-mannose *N*-glycans and human milk oligosaccharides (HMOs). The laboratory can prepare virtually any sub-fragment of the high-mannose *N*-glycan precursor 14-mer, Glc<sub>3</sub>Man<sub>9</sub>GlcNAc<sub>2</sub>. 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.



Stable Isotopically Labeled Saccharides, Nucleosides, and Their Derivatives



Products Catalog January 2024

Up to 99 atom% <sup>13</sup>C, <sup>15</sup>N, <sup>2</sup>H, <sup>18</sup>O Labeling

More Than 1000 Products

Stable Isotopes since 1982

www.omicronbio.com

### 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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Web: [omicronbio.com](http://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](http://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

- ◆ <sup>13</sup>C 99 atom-% unless otherwise stated
- ◆ <sup>2</sup>H 98 atom-% unless otherwise stated
- ◆ <sup>15</sup>N 98 atom-%
- ◆ <sup>18</sup>O 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-<sup>13</sup>C<sub>3</sub>]glucose
- ◆ 3-O-methyl-D-[UL-<sup>13</sup>C<sub>6</sub>]glucose
- ◆ D-[UL-<sup>2</sup>H<sub>12</sub>]glucose
- ◆ cytidine 5'-monophospho-β-*N*-acetyl-D-[1,2,3-<sup>13</sup>C<sub>3</sub>]neuraminic acid (disodium salt)
- ◆ uridine diphosphate-α-D-[UL-<sup>13</sup>C<sub>6</sub>]galactose (disodium salt)
- ◆ 2'-fucosyl-lactose
- ◆ *N*-acetyl-D-lactosamine
- ◆ [1,2,3-<sup>13</sup>C<sub>3</sub>]3'-sialyl[UL-<sup>13</sup>C<sub>12</sub>]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

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

Credit card payments are processed when the order is shipped. For payments by MasterCard or Visa, please phone or fax your card information. We do not accept credit card information on our web site. The following information is required for credit card payments:

- ◆ 16-digit card number
- ◆ Name as it appears on the card
- ◆ Complete address to which the credit card statement is mailed
- ◆ Expiration date of card
- ◆ Security code (the last 3-digits of the number on the back of the card)
- ◆ Customer Code Number (if applicable)

## 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				OMICRON BIOCHEMICALS, INC.	
Phone: 574-287-6910 Fax: 574-287-7165				115 South Hill Street South Bend, IN 46617-2701 USA	
Contact Name: _____				Date: _____	
Company: _____				Phone: _____	
Email: _____				Fax: _____	
Shipping Address: _____ _____ _____ _____ _____				Billing Address (N/A for credit cards): _____ _____ _____ _____ _____	
FedEx Account Number: _____ If not provided, shipping and insurance fees will be added to the product invoice.				<div><input type="checkbox"/> Visa    <input type="checkbox"/> Mastercard</div> <div>Card Number: _____</div> <div>Exp. Date: _____</div> <div>Security Code (last 3 digits on card back): _____</div> <div>Name on Card: _____</div> <div>Address to which card statement is mailed: _____ _____ _____</div>	
USA orders please indicate one or two day shipping preference: _____				<b>Payment Options:</b> Please enter Purchase Order Number or Credit Card Information.	
Purchase Order: _____					
Catalog Number	Compound Name	Unit Size	Unit Price *	Qty	Total Price
<p>* 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).</p> <p>If you have specific packaging or testing requirements, you may provide them here. Additional charges may be applied.</p>					

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Oligosaccharides

Omicron offers more than 150 oligosaccharide products for purchase on our website. All oligosaccharides are prepared chemically or chemo–enzymatically to provide customers with very high (>98%) purity products in milligram–to–gram quantities. With >35 years experience in preparing high quality stable isotopically–labeled carbohydrates and their de–rivatives, Omicron is uniquely situated to provide oligosaccharides with isotope labeling if requested.

- High purity (>98%)
- Milligram–to–gram quantities
- Unlabeled and/or isotope labeled
- Custom synthesis

Page	Catalog #	Product Name	Structure*
21	TRI-012	GlcNAcβ-4GlcNAcβ-4GlcNAc	
21	TET-014	GlcNAcβ-4GlcNAcβ-4GlcNAcβ-4GlcNAc	
21	PEN-009	GlcNAcβ-4GlcNAcβ-4GlcNAcβ-4GlcNAcβ-4GlcNAc	
21	HEX-005	GlcNAcβ-4GlcNAcβ-4GlcNAcβ-4GlcNAcβ-4GlcNAcβ-4GlcNAc	
23	TRI-017	NeupNAcα2,3Galpβ1,3GalpNAc sodium salt	
23	TRI-018	NeupNAcα2,3[UL-13C6]Galpβ1,3GalpNAc sodium salt	
23	HEX-021	NeuNAcα2,6Galβ1,4GlcNAcβ1,2Manα1,3Manβ1,4GlcNAc sodium salt	
23	HEX-022	[1,2,3-13C3]NeuNAcα2,6Galβ1,4GlcNAcβ1,2Manα1,3Manβ1,4GlcNAc sodium salt	
23	OLI-022	NeuNAcα2,6Galβ1,4GlcNAcβ1,2Manα1,3 (NeuNAcα2,6Galβ1,4GlcNAcβ1,2Manα1,6) Manβ1,4GlcNAc disodium salt	
26	TRI-014	4-aminobutyl α-D-Manp-(1→2)-α-D-Manp-(1→2)-α-D-Manp	
47	TRI-025	Galpα1,3Galpβ1,4GlcNAc	
47	TRI-026	Galpα1,3[U-13C6]Galpβ1,4GlcNAc	
47	TRI-027	Galpα1,3[U-13C6]Galpβ1,4GlcNAcα1-O-Bn	
47	TET-035	Galpβ1,2Galpβ1,6(Galpβ1,3)GlcNAc	
47	TET-036	Galpβ1,2Galpβ1,6(U-13C6Galpβ1,3)GlcNAc	
47	TET-037	Galpβ1,2Galpβ1,6(Galpβ1,4)GlcNAc	
48	TET-038	Galpβ1,2Galpβ1,6(U-13C6Galpβ1,4)GlcNAc	
48	TET-033	Galpβ1,2Galpβ1,6(Galpβ1,4)GlcNAc	
48	TET-034	Galpβ1,2Galpβ1,6(U-13C6-Galpβ1,4)GlcNAc	
48	TET-039	Galpβ1,3Galpβ1,6(Galpβ1,4)GlcNAc	
48	TET-040	Galpβ1,3Galpβ1,6(U-13C6Galpβ1,4)GlcNAc	
48	TRI-024	Galpα1,3Galpβ1,4GlcNAcitol	
48	TRI-023	Galpα1,3[U-13C6]Galpβ1,4GlcNAcitol	
48	TET-028	Galpβ1,2Galpβ1,6(Galpβ1,3)GlcNAcitol	
48	TET-024	Galpβ1,2Galpβ1,6(U-13C6Galpβ1,3)GlcNAcitol	
49	TET-029	Galpβ1,2Galpβ1,6(Galpβ1,4)GlcNAcitol	
49	TET-025	Galpβ1,2Galpβ1,6(U-13C6Galpβ1,4)GlcNAcitol	
49	TET-027	Galpβ1,2Galpβ1,6(Galpβ1,4)GlcNAcitol	
49	TET-023	Galpβ1,2Galpβ1,6(U-13C6Galpβ1,4)GlcNAcitol	
49	TET-030	Galpβ1,3Galpβ1,6(Galpβ1,4)GlcNAcitol	
49	TET-026	Galpβ1,3Galpβ1,6(U-13C6Galpβ1,4)GlcNAcitol	

\* See Product Name for linkage and isotope label information.  
 N-acetyl–D–galactosamine
 N-acetyl–D–glucosamine
 D-mannose
 N-acetyl–D-neuraminic acid (sodium salt)
 D-galactose
 D-galactose (furanose)

Oligosaccharides

Page	Catalog #	Product Name	Structure*
49	PEN-024	Galβ1,4GlcNAcβ1,2Manα1,3Manβ1,4GlcNAc	
49	OLI-027	Galβ1,4GlcNAcβ1,2Manα1,3 (Galβ1,4GlcNAcβ1,2Manα1,6) Manβ1,4GlcNAc	
57	TRI-030	Glcα-3Manα-2Man	
58	TET-047	Glcα-3Manα-2Manα-2Man	
58	PEN-027	Glcα-3Manα-2Manα-3[Manα-6]Man	
58	PEN-026	Glcα-3Manα-3[Manα-3Manα-6]Man	
58	PEN-025	Glcα-3Manα-3[Manα-6Manα-6]Man	
58	HEX-029	Glcα-3Manα-2Manα-2Manα-3[Manα-6]Man	
58	OLI-029	Glcα-3Manα-2Manα-2Manα-3[Manα-3Manα-6]Man	
58	OLI-030	Glcα-3Manα-2Manα-2Manα-3[Manα-6Manα-6]Man	
58	OLI-028	Glcα-3Manα-2Manα-3[Manα-3[Manα-6]Manα-6]Man	
63	TRI-013	isomaltotriose	
63	TET-012	isomaltotetraose	
63	PEN-010	isomaltopentaose	
64	HEX-006	isomaltohexaose	
64	OLI-004	isomaltoheptaose	
67	TRI-004	[UL-13C18]maltotriose hydrate	
67	TET-017	maltotetraose	
67	TET-013	[UL-13C24]maltotetraose	
67	PEN-011	[UL-13C30]maltopentaose	
67	HEX-007	[UL-13C36]maltohexaose	
72	TRI-007	Manα-2Manα-2Man	
72	TRI-008	Manα-2Manα-3Man	
72	TRI-009	Manα-2Manα-6Man	
72	TRI-010	Manα-3Manα-6Man	
72	TRI-005	Manα-6Manα-6Man	
72	TRI-006	Manα-3[Manα-6]Man	
72	TRI-011	Manα-4[Manα-6]Man	
72	TET-016	Manα-2Manα-2Manα-2Man	
72	TET-004	Manα-2Manα-2Manα-3Man	
73	TET-006	Manα-2Manα-2Manα-6Man	
73	TET-005	Manα-2Manα-3Manα-6Man	
73	TET-007	Manα-2Manα-6Manα-6Man	
73	TET-010	Manα-2Manα-3[Manα-6]Man	
73	TET-009	Manα-2Manα-6[Manα-3]Man	
73	TET-011	Manα-3Manα-6[Manα-3]Man	
73	TET-019	Manα-6Manα-6[Manα-3]Man	
73	TET-008	Manα-3[Manα-6]Manα-6Man	

\* See Product Name for linkage and isotope label information.  
 D-galactose
 D-galactose (furanose)
 N-acetyl–D–glucosamine
 D-glucose
 D-mannose



Oligosaccharides

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

\* See Product Name for linkage and isotope label information. D-mannose

Oligosaccharides

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

\* See Product Name for linkage and isotope label information. N-acetyl-D-glucosamine D-mannose

Page	Catalog #	Product Name	Structure*
80	PEN-023	Manα-2Manα-3Manβ-4GlcNAcβ-4GlcNAc	
80	PEN-016	Manα-3[Manα-6]Manβ-4GlcNAcβ-4GlcNAc	
80	HEX-013	Manα-2Manα-2Manα-3Manβ-4GlcNAcβ-4GlcNAc	
81	HEX-023	Manα-2Manα-3Manα-6Manβ-4GlcNAcβ-4GlcNAc	
81	HEX-024	Manα-2Manα-6Manα-6Manβ-4GlcNAcβ-4GlcNAc	
81	HEX-026	Manα-2Manα-3[Manα-6]Manβ-4GlcNAcβ-4GlcNAc	
81	HEX-028	Manα-3Manα-6[Manα-3]Manβ-4GlcNAcβ-4GlcNAc	
81	HEX-027	Manα-6Manα-6[Manα-3]Manβ-4GlcNAcβ-4GlcNAc	
81	HEX-025	Manα-3[Manα-6]Manα-6Manβ-4GlcNAcβ-4GlcNAc	
81	OLI-023	Manα-2Manα-3[Manα-3Manα-6]Manβ-4GlcNAcβ-4GlcNAc	
81	OLI-024	Manα-2Manα-3[Manα-6Manα-6]Manβ-4GlcNAcβ-4GlcNAc	
82	OLI-011	Manα-2Manα-2Manα-3[Manα-3Manα-6]Manβ-4GlcNAcβ-4GlcNAc	
82	OLI-018	Manα-2Manα-2Manα-3[Manα-6Manα-6]Manβ-4GlcNAcβ-4GlcNAc	
82	OLI-025	Manα-2Manα-3[Manα-2Manα-6]Manα-6Manβ-4GlcNAcβ-4GlcNAc	
82	OLI-016	Manα-2Manα-2Manα-3[Manα-2Manα-3Manα-6]Manβ-4GlcNAcβ-4GlcNAc	
82	OLI-017	Manα-2Manα-2Manα-3[Manα-2Manα-6Manα-6]Manβ-4GlcNAcβ-4GlcNAc	
82	TET-044	Manα-2Manα-3[Man4Pα-6]Man disodium salt	
82	TET-043	Manα-2Manα-3[Man6Pα-6]Man disodium salt	
83	TET-041	Manα-6Manα-6[Man6Pα-3]Man disodium salt	
83	TET-042	Man6Pα-6Manα-6[Manα-3]Man disodium salt	
83	PEN-022	Manα-2Manα-2Manα-3[Man6Pα-6]Man disodium salt	
82	PEN-021	Manα-2Manα-3Manα-6[Man6Pα-3]Man disodium salt	
83	PEN-020	Manα-2Manα-3[Man6Pα-6Manα-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- <sup>13</sup> C <sub>3</sub> ]3'-sialyl[3- <sup>13</sup> C <sub>9</sub> lactose sodium salt	
89	TRI-022	[1,2,3- <sup>13</sup> C <sub>3</sub> ]3'-sialyl[UL- <sup>13</sup> C <sub>12</sub> ]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.

SAMPLE LISTINGS

- ❶

Synonym referral to product listing
- ❷

Product listing
- ❸

Omicron Catalog Number
- ❹

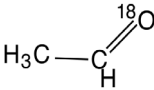
Chemical Abstracts Services Registry Number®, if assigned.  
UN Indicates CAS Number is for the unlabeled compound.
- ❺

Price list: quantity and \$ amount (USD)

❶ Alternate Product Name		
see Product Name <i>page number</i>		
❷ MAN-001 Product Name		
(Alternate Product Name)		
MW 222.20	<sup>13</sup> CC <sub>7</sub> H <sub>15</sub> NO <sub>6</sub>	❹ [3615-17-6] <sup>UN</sup>
(comments provided here)		
		❺
	0.1 g	\$ 570
	025 g	\$ 1340

PRODUCT LIST

ALY-001	[1- <sup>18</sup> O]acetaldehyde	
MW 46.05	C <sub>2</sub> H <sub>4</sub> <sup>18</sup> O	❹ [75-07-0] <sup>UN</sup>
90 atom-% <sup>18</sup> O Supplied as an aqueous solution. 1234		



Request Price

2-acetamido-2-deoxy-galactose
see N-acetylgalactosamine <i>page 19</i>

2-acetamido-2-deoxy-glucose
see N-acetylglucosamine <i>page 20</i>

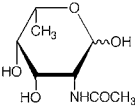
2-acetamido-2-deoxy-β-D-glucose L-asparagine
see N-acetylglucosamine-(1,N)-Asn <i>page 22</i>

2-acetamido-2-deoxy-mannose
see N-acetylmannosamine <i>page 23</i>

2-acetamido-2-deoxy-talose
see N-acetylталosamine <i>page 27</i>

2-acetamido-2,6-dideoxy-galactose
see N-acetyl-L-fucosamine <i>page 19</i>

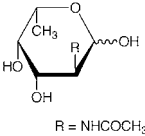
TAL-017	2-acetamido-2,6-dideoxy-L-talose	
	(N-acetyl-L-pneumosamine)	
MW 205.21	C <sub>8</sub> H <sub>15</sub> NO <sub>5</sub>	



0.01 g \$ 975

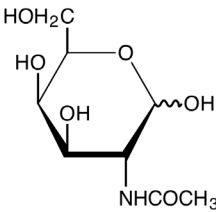
N-acetyl-6-deoxy-L-talosamine
see 2-acetamido-2,6-dideoxy-L-talose <i>page 19</i>

FUC-006	N-acetyl-L-fucosamine	
	(2-acetamido-2,6-dideoxy-L-galactose)	
MW 205.21	C <sub>8</sub> H <sub>15</sub> NO <sub>5</sub>	



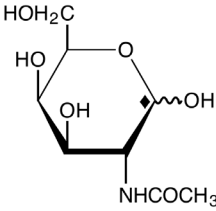
0.01 g \$ 490

GAL-044	N-acetyl-D-galactosamine	
	(2-acetamido-2-deoxy-D-galactose)	
MW 221.21	C <sub>8</sub> H <sub>15</sub> NO <sub>6</sub>	❹ [1811-31-0]



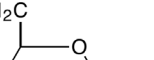
1 g \$ 155

GAL-001	N-acetyl-D-[1- <sup>13</sup> C]galactosamine	
	(2-acetamido-2-deoxy-D-[1- <sup>13</sup> C]galactose)	
MW 222.20	<sup>13</sup> CC <sub>7</sub> H <sub>15</sub> NO <sub>6</sub>	❹ [478518-53-5]

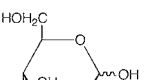


0.25 g \$ 2205  
0.5 g \$ 4190  
1 g \$ 7940



<b>GAL-054</b>	<b><i>N</i>-[Me-<sup>2</sup>H<sub>3</sub>,<sup>18</sup>O]acetyl-D-galactosamine</b> (2-[Me- <sup>2</sup> H <sub>3</sub> , <sup>18</sup> O]acetamido-2-deoxy-D-galactose)	
MW 226.23	C <sub>8</sub> H <sub>12</sub> N <sup>18</sup> OO <sub>5</sub>	[1811-31-0] <sup>UN</sup>
		Request Price

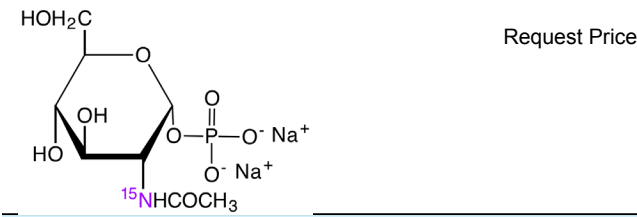
<b>GLC-003</b>	<b><i>N</i>-acetyl-D-[<sup>15</sup>N]glucosamine</b> (2-[ <sup>15</sup> N]acetamido-2-deoxy-D-glucose)		
MW 222.21	C <sub>8</sub> H <sub>15</sub> <sup>15</sup> NO <sub>6</sub>	[478518-85-3]	
	0.1 g	\$ 470	
	0.25 g	\$ 1035	

GLC-006			
$N$ -[1,2- $^{13}\text{C}_2$ ]acetyl-D-glucosamine (2-[1,2- $^{13}\text{C}_2$ ]acetamido-2-deoxy-D-glucose)			
MW 223.19	$^{13}\text{C}_2\text{C}_6\text{H}_{15}\text{NO}_6$	[157668-96-7]	
		0.25 g	\$ 275
		0.5 g	\$ 470
		1 g	\$ 795

<p><b>GLC-158</b></p>	<p><b><i>N</i>-[1-<sup>2</sup>H<sub>3</sub>]acetyl-D-glucosamine</b>  (2-[Me-<sup>2</sup>H<sub>3</sub>]acetamido-2-deoxy-D-glucose)</p>	<p></p>
<p>MW 224.23</p>	<p>C<sub>8</sub><sup>2</sup>H<sub>3</sub>H<sub>12</sub>NO<sub>6</sub></p>	<p>[7512-17-6]<sup>UN</sup></p>
<div> <div data-bbox="2371 1556 2573 1614"> </div> <div data-bbox="2831 1570 2965 1586"> <p>Request Price</p> </div> </div>		

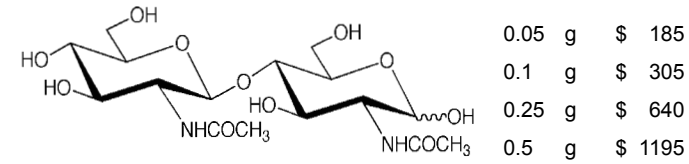
**GLC-159** *N*-acetyl- $\alpha$ -D-[<sup>15</sup>N]glucosamine-1-phosphate, disodium salt

MW 346.15 C<sub>8</sub>H<sub>14</sub><sup>15</sup>NNa<sub>2</sub>O<sub>9</sub>P  
CAS: 31281-59-1 (unlabeled)



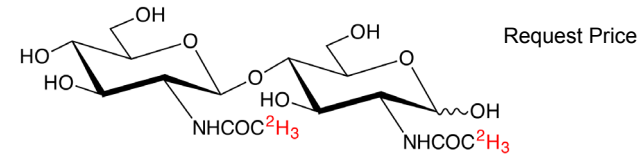
**DIS-013** **GlcNAc $\beta$ -4GlcNAc**  
(N,N'-diacetylchitobiose)

MW 424.40 C<sub>16</sub>H<sub>28</sub>N<sub>2</sub>O<sub>11</sub> [35061-50-8]



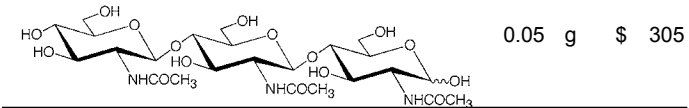
**DIS-090** **GlcN[Me-<sup>2</sup>H<sub>3</sub>]Ac $\beta$ -4GlcN[Me-<sup>2</sup>H<sub>3</sub>]Ac**  
(N[<sup>2</sup>H<sub>3</sub>-methyl],N'[<sup>2</sup>H<sub>3</sub>-methyl]-diacetylchitobiose)

MW 430.44 C<sub>16</sub><sup>2</sup>H<sub>6</sub>H<sub>22</sub>N<sub>2</sub>O<sub>11</sub> [35061-50-8]<sup>UN</sup>



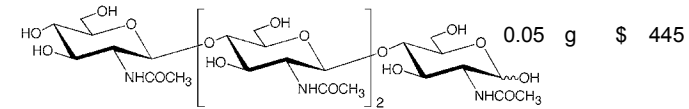
**TRI-012** **GlcNAc $\beta$ -4GlcNAc $\beta$ -4GlcNAc**  
(N,N',N''-triacetylchitotriose)

MW 627.59 C<sub>24</sub>H<sub>41</sub>N<sub>3</sub>O<sub>16</sub> [38864-21-0]



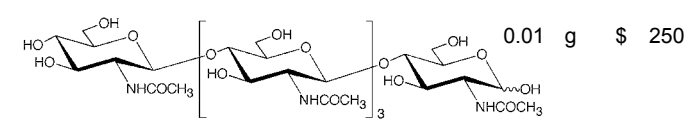
**TET-014** **GlcNAc $\beta$ -4GlcNAc $\beta$ -4GlcNAc $\beta$ -4GlcNAc**  
(N,N',N'',N'''-tetraacetylchitotetraose)

MW 830.79 C<sub>32</sub>H<sub>54</sub>N<sub>4</sub>O<sub>21</sub> [2706-65-2]



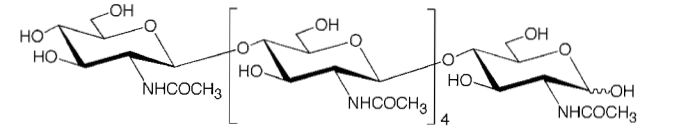
**PEN-009** **GlcNAc $\beta$ -4GlcNAc $\beta$ -4GlcNAc $\beta$ -4GlcNAc $\beta$ -4GlcNAc**  
(N,N',N'',N''',N''''-pentaacetylchitopentaose)

MW 1033.98 C<sub>40</sub>H<sub>67</sub>N<sub>5</sub>O<sub>26</sub> [36467-68-2]



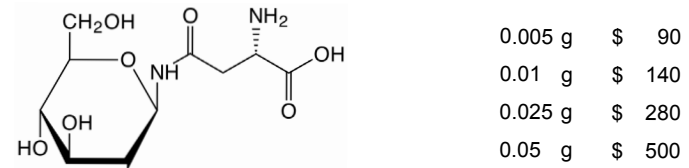
**HEX-005** **GlcNAc $\beta$ -4GlcNAc $\beta$ -4GlcNAc $\beta$ -4GlcNAc $\beta$ -4GlcNAc $\beta$ -4GlcNAc**  
(N,N',N'',N''',N''''',N''''''-hexaacylchitohexaose)

MW 1237.17 C<sub>48</sub>H<sub>80</sub>N<sub>6</sub>O<sub>31</sub> [38854-46-5]



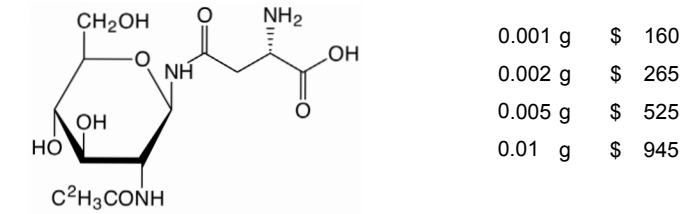
**AAG-003** **2-acetamido-2-deoxy- $\beta$ -D-glucopyranosyl L-asparagine**  
( $\beta$ -D-GlcNAc-(1→N)-Asn)

MW 335.31 C<sub>12</sub>H<sub>21</sub>N<sub>3</sub>O<sub>8</sub> [2776-93-4]



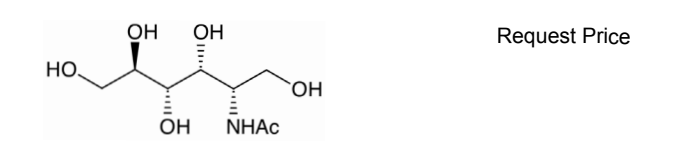
**AAG-004** **2-[<sup>2</sup>H<sub>3</sub>]acetamido-2-deoxy- $\beta$ -D-glucopyranosyl L-asparagine**  
( $\beta$ -D-GlcN[<sup>2</sup>H<sub>3</sub>]Ac-(1→N)-Asn)

MW 338.33 C<sub>12</sub><sup>2</sup>H<sub>3</sub>H<sub>18</sub>N<sub>3</sub>O<sub>8</sub> [2776-93-4]<sup>UN</sup>



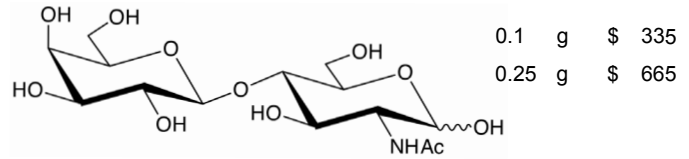
**ALD-087** *N*-acetyl-D-glucosaminitol  
(2-Acetamido-2-deoxy-D-glucitol)

MW 223.22 C<sub>8</sub>H<sub>17</sub>NO<sub>6</sub> [4271-28-7]



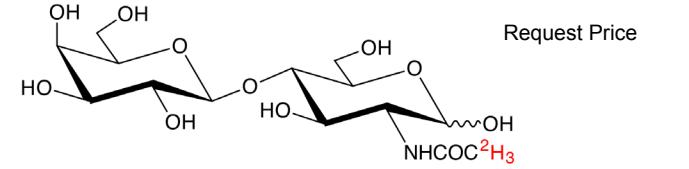
**LAC-013** *N*-acetyl-D-lactosamine  
( $\beta$ -D-Gal-(1→4)-D-GlcNAc)

MW 383.35 C<sub>14</sub>H<sub>25</sub>NO<sub>11</sub> [32181-59-2]



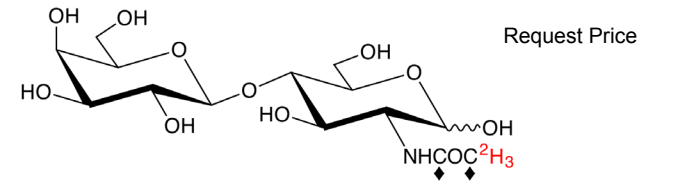
**LAC-015** *N*-[2-<sup>2</sup>H<sub>3</sub>]acetyl-D-lactosamine  
( $\beta$ -D-Gal-(1→4)-D-GlcN[<sup>2</sup>H<sub>3</sub>]Ac)

MW 386.37 C<sub>14</sub><sup>2</sup>H<sub>3</sub>H<sub>22</sub>NO<sub>11</sub> [32181-59-2]<sup>UN</sup>



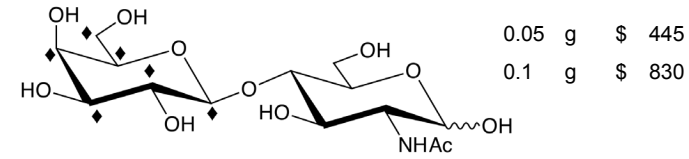
**LAC-016** *N*-[1,2-<sup>13</sup>C<sub>2</sub>,<sup>2</sup>H<sub>3</sub>]acetyl-D-lactosamine  
( $\beta$ -D-Gal-(1→4)-D-GlcN[1,2-<sup>13</sup>C<sub>2</sub>,<sup>2</sup>H<sub>3</sub>]Ac)

MW 388.35 <sup>13</sup>C<sub>2</sub>C<sub>12</sub><sup>2</sup>H<sub>3</sub>H<sub>22</sub>NO<sub>11</sub> [32181-59-2]<sup>UN</sup>



**LAC-014** *N*-acetyl-D-[UL-<sup>13</sup>C<sub>6</sub><sup>gal</sup>]lactosamine  
( $\beta$ -D-[UL-<sup>13</sup>C<sub>6</sub>]Gal-(1→4)-D-GlcNAc)

MW 389.30 <sup>13</sup>C<sub>6</sub>C<sub>8</sub>H<sub>25</sub>NO<sub>11</sub> [32181-59-2]<sup>UN</sup>



**MAN-001** *N*-acetyl-D-[1-<sup>13</sup>C]mannosamine  
(2-acetamido-2-deoxy-D-[1-<sup>13</sup>C]mannose)

MW 222.20 <sup>13</sup>CC<sub>7</sub>H<sub>15</sub>NO<sub>6</sub> [3615-17-6]<sup>UN</sup>



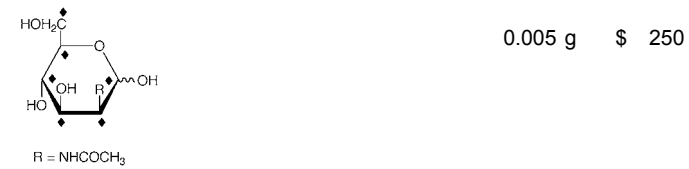
**MAN-016** *N*-acetyl-D-[2-<sup>13</sup>C]mannosamine  
(2-acetamido-2-deoxy-D-[2-<sup>13</sup>C]mannose)

MW 222.20 <sup>13</sup>CC<sub>7</sub>H<sub>15</sub>NO<sub>6</sub> [3615-17-6]<sup>UN</sup>



**MAN-017** *N*-acetyl-D-[UL-<sup>13</sup>C<sub>6</sub>]mannosamine  
(2-acetamido-2-deoxy-D-[UL-<sup>13</sup>C<sub>6</sub>]mannose)

MW 227.16 <sup>13</sup>C<sub>6</sub>C<sub>2</sub>H<sub>15</sub>NO<sub>6</sub> [3615-17-6]<sup>UN</sup>



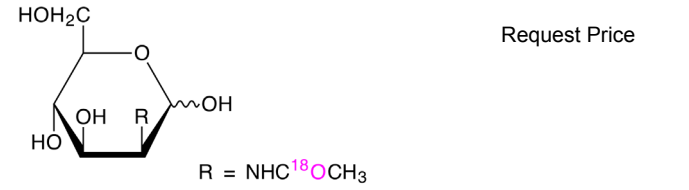
**MAN-002** *N*-acetyl-D-[<sup>15</sup>N]mannosamine  
(2-[<sup>15</sup>N]acetamido-2-deoxy-D-mannose)

MW 222.21 C<sub>8</sub>H<sub>15</sub><sup>15</sup>NO<sub>6</sub> [3615-17-6]<sup>UN</sup>



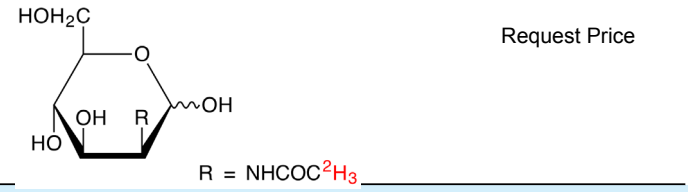
**MAN-061** *N*-[<sup>18</sup>O]acetyl-D-mannosamine  
(2-[<sup>18</sup>O]acetamido-2-deoxy-D-mannose)

MW 223.21 C<sub>8</sub>H<sub>15</sub>N<sup>18</sup>OO<sub>5</sub> [3615-17-6]<sup>UN</sup>



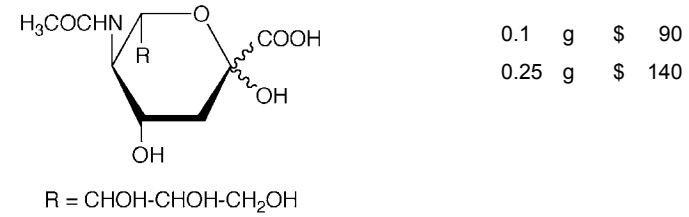
**MAN-060** *N*-[Me-<sup>2</sup>H<sub>3</sub>]acetyl-D-mannosamine  
(2-[Me-<sup>2</sup>H<sub>3</sub>]acetamido-2-deoxy-D-mannose)

MW 224.23 C<sub>8</sub><sup>2</sup>H<sub>3</sub>H<sub>12</sub>NO<sub>6</sub> [3615-17-6]<sup>UN</sup>



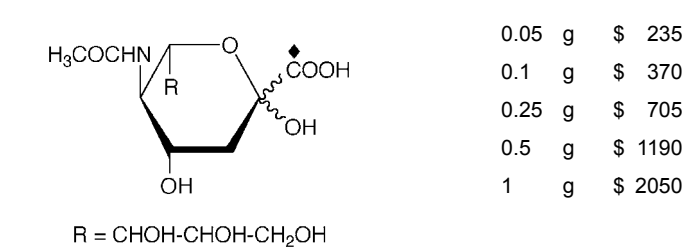
**NEU-007** *N*-acetyl-D-neuraminic acid  
(NANA; sialic acid)

MW 309.27 C<sub>11</sub>H<sub>19</sub>NO<sub>9</sub> [131-48-6]

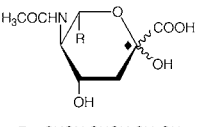


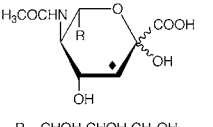
**NEU-001** *N*-acetyl-D-[1-<sup>13</sup>C]neuraminic acid  
([1-<sup>13</sup>C]NANA)

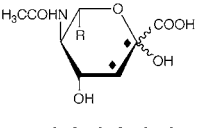
MW 310.27 <sup>13</sup>CC<sub>10</sub>H<sub>19</sub>NO<sub>9</sub> [131-48-6]<sup>UN</sup>

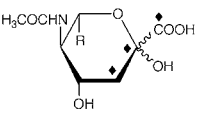


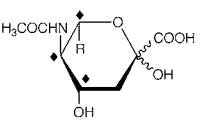


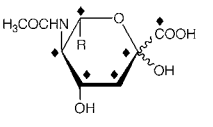
<b>NEU-002</b>	<b><i>N</i>-acetyl-D-[2-<sup>13</sup>C]neuraminic acid</b> ([2- <sup>13</sup> C]NANA)		
MW 310.27	<sup>13</sup> CC <sub>10</sub> H <sub>19</sub> NO <sub>9</sub>	[131-48-6] <sup>UN</sup>	
 R = CHOH-CHOH-CH <sub>2</sub> OH	0.05 g	\$	225
	0.1 g	\$	365
	0.25 g	\$	695
	0.5 g	\$	1140
	1 g	\$	1975

<b>NEU-003</b>	<b><i>N</i>-acetyl-D-[3-<sup>13</sup>C]neuraminic acid</b> ([3- <sup>13</sup> C]NANA)		
MW 310.27	<sup>13</sup> CC <sub>10</sub> H <sub>19</sub> NO <sub>9</sub>	[131-48-6] <sup>UN</sup>	
 R = CHOH-CHOH-CH <sub>2</sub> OH	0.05 g	\$	250
	0.1 g	\$	400
	0.25 g	\$	775
	0.5 g	\$	1300
	1 g	\$	2205

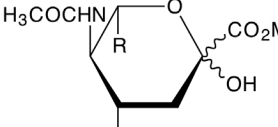
<b>NEU-006</b>	<b><i>N</i>-acetyl-D-[2,3-<sup>13</sup>C<sub>2</sub>]neuraminic acid</b> ([2,3- <sup>13</sup> C <sub>2</sub> ]NANA)		
MW 311.26	<sup>13</sup> C <sub>2</sub> C <sub>9</sub> H <sub>19</sub> NO <sub>9</sub>	[131-48-6] <sup>UN</sup>	
 R = CHOH-CHOH-CH <sub>2</sub> OH	0.05 g	\$	355
	0.1 g	\$	595
	0.25 g	\$	1140
	0.5 g	\$	1910
	1 g	\$	3265

<b>NEU-004</b>	<b><i>N</i>-acetyl-D-[1,2,3-<sup>13</sup>C<sub>3</sub>]neuraminic acid</b> ([1,2,3- <sup>13</sup> C <sub>3</sub> ]NANA)		
MW 312.25	<sup>13</sup> C <sub>3</sub> C <sub>8</sub> H <sub>19</sub> NO <sub>9</sub>	[131-48-6] <sup>UN</sup>	
 R = CHOH-CHOH-CH <sub>2</sub> OH	0.05 g	\$	370
	0.1 g	\$	610
	0.25 g	\$	1190
	0.5 g	\$	1975
	1 g	\$	3420

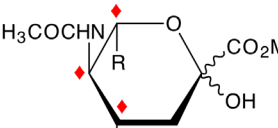
<b>NEU-008</b>	<b><i>N</i>-acetyl-D-[4,5,6,7,8,9-<sup>13</sup>C<sub>6</sub>]neuraminic acid</b> ([4,5,6,7,8,9- <sup>13</sup> C <sub>6</sub> ]NANA)		
MW 315.23	<sup>13</sup> C <sub>6</sub> C <sub>5</sub> H <sub>19</sub> NO <sub>9</sub>	[131-48-6] <sup>UN</sup>	
 R = CHOH-CHOH-CH <sub>2</sub> OH	0.005 g	\$	610
	0.01 g	\$	975

<b>NEU-009</b>	<b><i>N</i>-acetyl-D-[UL-<sup>13</sup>C<sub>9</sub>]neuraminic acid</b> ([UL- <sup>13</sup> C <sub>9</sub> ]NANA)		
MW 318.20	<sup>13</sup> C <sub>9</sub> C <sub>2</sub> H <sub>19</sub> NO <sub>9</sub>	[131-48-6] <sup>UN</sup>	
 R = CHOH-CHOH-CH <sub>2</sub> OH	0.005 g	\$	730

<b>NEU-010</b>	<b><i>N</i>-acetyl-D-neuraminic acid methyl ester</b> ( <i>N</i> -Acetylneuraminic acid methyl ester)		
MW 323.30	C <sub>12</sub> H <sub>21</sub> NO <sub>9</sub>	[22900-11-4]	
<i>another valid CAS# 50998-13-5</i>			

 R = CHOH-CHOH-CH <sub>2</sub> OH	Request Price
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<b>NEU-011</b>	<b><i>N</i>-acetyl-D-[4,5,6,7,8,9-<sup>13</sup>C<sub>6</sub>]neuraminic acid methyl ester</b> ([4,5,6,7,8,9- <sup>13</sup> C <sub>6</sub> ]sialic acid methyl ester)		
MW 329.25	<sup>13</sup> C <sub>6</sub> C <sub>6</sub> H <sub>21</sub> NO <sub>9</sub>	[22900-11-4] <sup>UN</sup>	

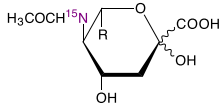
 R = CHOH-CHOH-CH <sub>2</sub> OH	Request Price
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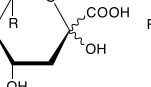
<b>NEU-005</b>	<b><i>N</i>-[1-<sup>13</sup>C]acetyl-D-neuraminic acid</b> ([1- <sup>13</sup> C;acetyl]NANA)		
MW 310.27	<sup>13</sup> CC <sub>10</sub> H <sub>19</sub> NO <sub>9</sub>	[131-48-6] <sup>UN</sup>	

 R = CHOH-CHOH-CH <sub>2</sub> OH	0.25 g	\$	1495
	0.5 g	\$	2455
	1 g	\$	4250

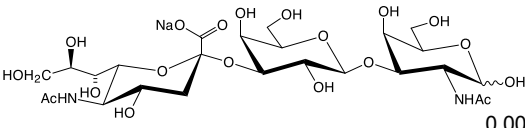
<b>NEU-013</b>	<b><i>N</i>-[<sup>2</sup>H<sub>3</sub>]acetyl-D-neuraminic acid</b> ([ <sup>2</sup> H <sub>3</sub> ;acetyl]NANA)		
MW 312.29	C <sub>11</sub> <sup>2</sup> H <sub>3</sub> H <sub>16</sub> NO <sub>9</sub>	[131-48-6] <sup>UN</sup>	

 R = CHOH-CHOH-CH <sub>2</sub> OH	Request Price
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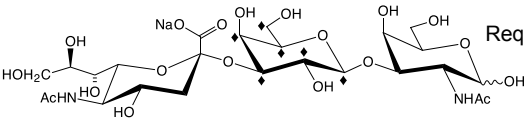
<b>NEU-012</b>			
<b><i>N</i>-[<sup>15</sup>N]acetyl-<i>D</i>-neuraminic acid</b> ([ <sup>15</sup> N;acetyl]NANA)			
MW 310.27	C <sub>11</sub> H <sub>19</sub> <sup>15</sup> NO <sub>9</sub>	[131-48-6] <sup>UN</sup>	
 R = CHOH-CHOH-CH <sub>2</sub> OH		Request Price	

<b>NEU-014</b>	<b><i>N</i>-[<sup>18</sup>O]acetyl-D-neuraminic acid</b> ([ <sup>18</sup> O;acetyl]NANA)		
MW 311.27	C <sub>11</sub> H <sub>19</sub> N <sup>18</sup> OO <sub>8</sub>	[131-48-6] <sup>UN</sup>	
	Request Price		

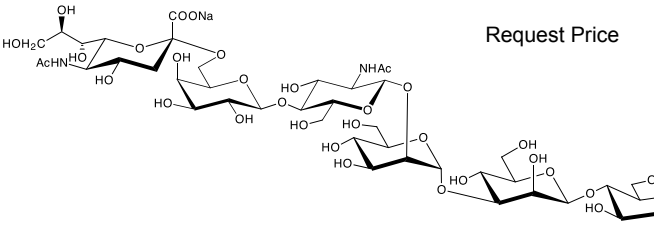
<b>TRI-017</b>	<b>NeupNAcα2,3Galpβ1,3GalpNAc sodium salt</b> (ST-antigen sodium salt)		
MW 696.59	C <sub>25</sub> H <sub>41</sub> N <sub>2</sub> NaO <sub>19</sub>	[1370359-76-4] <sup>UN</sup>	

	0.001 g	\$	225
	0.002 g	\$	335

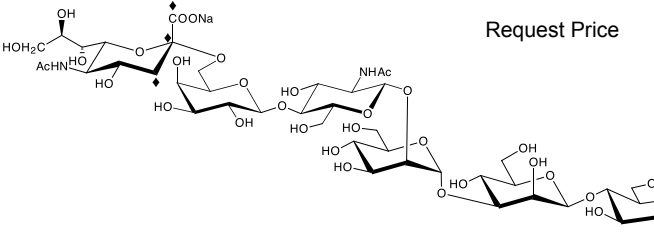
<b>TRI-018</b>	<b>NeupNAcα2,3[UL-<sup>13</sup>C<sub>6</sub>]Galpβ1,3GalpNAc sodium salt</b> (ST-[ <sup>13</sup> C <sub>6</sub> gal]antigen sodium salt)		
MW 702.54	<sup>13</sup> C <sub>6</sub> C <sub>19</sub> H <sub>41</sub> N <sub>2</sub> NaO <sub>19</sub>	[1370359-76-4] <sup>UN</sup>	

	Request Price
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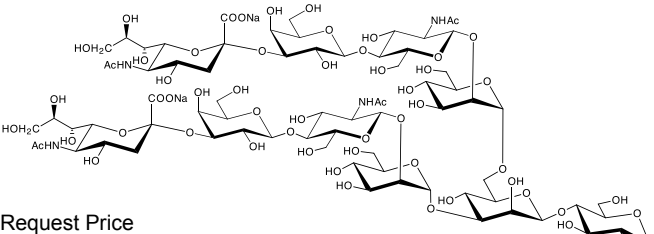
<b>HEX-021</b>	<b>NeuNAcα2,6Galβ1,4GlcNAcβ1,2Manα1,3Manβ1,4GlcNAc sodium salt</b> (αD-NeuNAc(2→6)βD-Gal(1→4)βD-GlcNAc(1→2)αD-Man(1→3)βD-Man(1→4)D-GlcNAc sodium salt)		
MW 1224.06	C <sub>45</sub> H <sub>74</sub> N <sub>3</sub> NaO <sub>34</sub>	Request Price	

	Request Price
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<b>HEX-022</b>	<b>[1,2,3-<sup>13</sup>C<sub>3</sub>]NeuNAcα2,6Galβ1,4GlcNAcβ1,2Manα1,3Manβ1,4GlcNAc sodium salt</b> (αD-[1,2,3- <sup>13</sup> C <sub>3</sub> ]NeuNAc(2→6)βD-Gal(1→4)βD-GlcNAc(1→2)αD-Man(1→3)βD-Man(1→4)D-GlcNAc sodium salt)		
MW 1227.04	<sup>13</sup> C <sub>3</sub> C <sub>42</sub> H <sub>74</sub> N <sub>3</sub> NaO <sub>34</sub>	Request Price	

	Request Price
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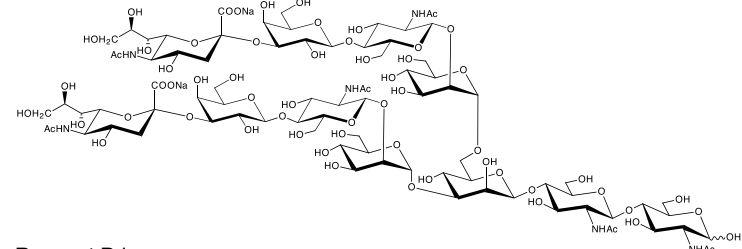
<b>OLI-031</b>	<b>NeuNAcα2,3Galβ1,4GlcNAcβ1,2Manα1,3[NeuNAcα2,3Galβ1,4GlcNAcβ1,2Manα1,6]Manβ1,4GlcNAc, disodium salt</b> (αD-NeuNAc(2→3)βD-Gal(1→4)βD-GlcNAc(1→2)αD-Man(1→3)-[αD-NeuNAc(2→3)βD-Gal(1→4)βD-GlcNAc(1→2)αD-Man(1→6)]-βD-Man(1→4)D-GlcNAc disodium salt)		
MW 2064.77	C <sub>76</sub> H <sub>123</sub> N <sub>5</sub> Na <sub>2</sub> O <sub>57</sub>	Request Price	

	Request Price
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**OLI-039**  
**NeuNAc $\alpha$ 2,3Gal $\beta$ 1,4GlcNAc $\beta$ 1,2Man $\alpha$ 1,3[  
NeuNAc $\alpha$ 2,3Gal $\beta$ 1,4GlcNAc $\beta$ 1,2Man $\alpha$ 1,6]  
Man $\beta$ 1,4GlcNAc $\beta$ 1,4GlcNAc, disodium salt**  
( $\alpha$ D-NeuNAc(2 $\rightarrow$ 3) $\beta$ D-Gal(1 $\rightarrow$ 4) $\beta$ D-GlcNAc(1 $\rightarrow$ 2)  
 $\alpha$ D-Man(1 $\rightarrow$ 3)-[ $\alpha$ D-NeuNAc(2 $\rightarrow$ 3) $\beta$ D-Gal(1 $\rightarrow$ 4)  
 $\beta$ D-GlcNAc(1 $\rightarrow$ 2) $\alpha$ D-Man(1 $\rightarrow$ 6)]- $\beta$ D-Man(1 $\rightarrow$ 4) $\beta$ D-  
GlcNAc-(1 $\rightarrow$ 4)D-GlcNAc disodium salt)

MW 2267.97

C<sub>84</sub>H<sub>136</sub>N<sub>6</sub>Na<sub>2</sub>O<sub>62</sub>

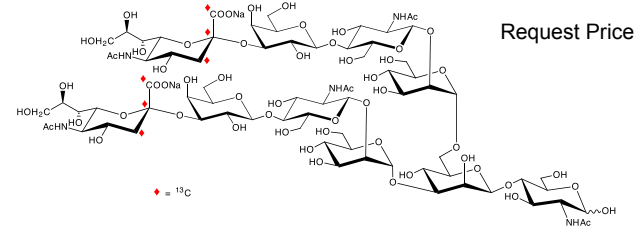


Request Price

**OLI-032**  
**[1,2,3-<sup>13</sup>C<sub>3</sub>]NeuNAc $\alpha$ 2,3Gal $\beta$ 1,4  
GlcNAc $\beta$ 1,2Man $\alpha$ 1,3[[1,2,3-<sup>13</sup>C<sub>3</sub>]  
NeuNAc $\alpha$ 2,3Gal $\beta$ 1,4GlcNAc6 $\beta$ 1,2Man $\alpha$ 1  
,6]  
Man $\beta$ 1,4GlcNAc, disodium salt**

MW 2070.72

<sup>13</sup>C<sub>6</sub>C<sub>70</sub>H<sub>123</sub>N<sub>5</sub>Na<sub>2</sub>O<sub>57</sub>

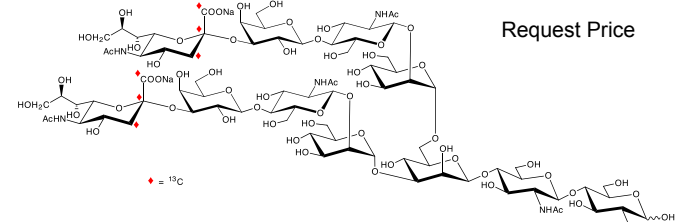


Request Price

**OLI-040**  
**[1,2,3-<sup>13</sup>C<sub>3</sub>]NeuNAc $\alpha$ 2,3Gal $\beta$   
1,4GlcNAc $\beta$ 1,2Man $\alpha$ 1,3[[1,2,3-<sup>13</sup>C<sub>3</sub>]  
NeuNAc $\alpha$ 2,3Gal $\beta$ 1,4GlcNAc6 $\beta$ 1,2Man $\alpha$ 1  
,6]  
Man $\beta$ 1,4GlcNAc $\beta$ 1,4GlcNAc  
, disodium salt**

MW 2273.92

<sup>13</sup>C<sub>6</sub>C<sub>78</sub>H<sub>136</sub>N<sub>6</sub>Na<sub>2</sub>O<sub>62</sub>

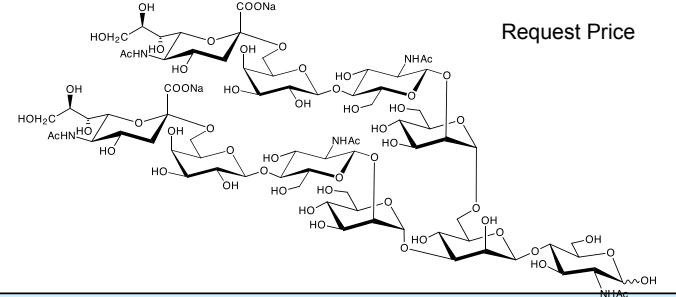


Request Price

**OLI-022**  
**NeuNAc $\alpha$ 2,6Gal $\beta$ 1,4GlcNAc $\beta$ 1,2Man $\alpha$ 1,3  
(NeuNAc $\alpha$ 2,6Gal $\beta$ 1,4GlcNAc $\beta$ 1,2Man $\alpha$ 1,6)  
Man $\beta$ 1,4GlcNAc disodium salt**

MW 2064.77

C<sub>76</sub>H<sub>123</sub>N<sub>5</sub>Na<sub>2</sub>O<sub>57</sub>

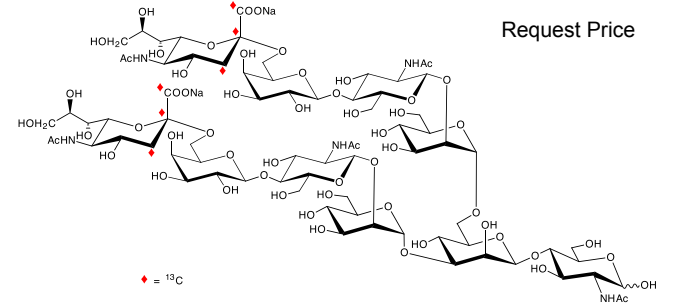


Request Price

**OLI-033**  
**[1,2,3-<sup>13</sup>C<sub>3</sub>]NeuNAc $\alpha$ 2,6  
Gal $\beta$ 1,4GlcNAc $\beta$ 1,2Man $\alpha$ 1,3[[1,2,3-<sup>13</sup>C<sub>3</sub>]  
NeuNAc $\alpha$ 2,6Gal $\beta$ 1,4GlcNAc $\beta$ 1,2Man $\alpha$ 1,6]  
Man $\beta$ 1,4GlcNAc, disodium salt**

MW 2070.72

<sup>13</sup>C<sub>6</sub>C<sub>70</sub>H<sub>123</sub>N<sub>5</sub>Na<sub>2</sub>O<sub>57</sub>

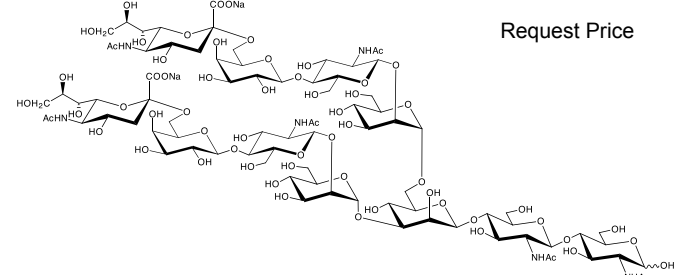


Request Price

**OLI-034**  
**NeuNAc $\alpha$ 2,6Gal $\beta$ 1,4GlcNAc $\beta$ 1,2Man $\alpha$ 1,3  
[NeuNAc $\alpha$ 2,6Gal $\beta$ 1,4GlcNAc $\beta$ 1,2Man $\alpha$ 1,6]  
Man $\beta$ 1,4GlcNAc $\beta$ 1,4GlcNAc, disodium  
salt**

MW 2267.97

C<sub>84</sub>H<sub>136</sub>N<sub>6</sub>Na<sub>2</sub>O<sub>62</sub>

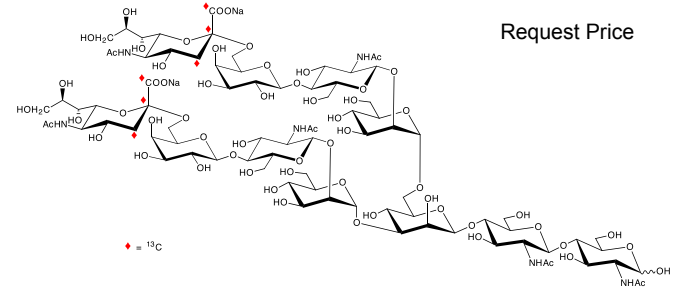


Request Price

**OLI-038**  
**[1,2,3-<sup>13</sup>C<sub>3</sub>]NeuNAc $\alpha$ 2,6Gal $\beta$   
1,4GlcNAc $\beta$ 1,2Man $\alpha$ 1,3[[1,2,3-<sup>13</sup>C<sub>3</sub>]  
NeuNAc $\alpha$ 2,6Gal $\beta$ 1,4GlcNAc $\beta$ 1,2Man $\alpha$ 1,6]  
Man $\beta$ 1,4GlcNAc $\beta$ 1,4GlcNAc, disodium  
salt**

MW 2273.92

<sup>13</sup>C<sub>6</sub>C<sub>78</sub>H<sub>136</sub>N<sub>6</sub>Na<sub>2</sub>O<sub>62</sub>



Request Price

**N-acetyl-L-pneumosamine**

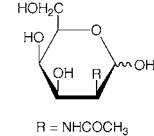
see 2-acetamido-2,6-dideoxy-L-talose [page 19](#)

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

MW 221.21

C<sub>8</sub>H<sub>15</sub>NO<sub>6</sub>

[282727-46-2]<sup>UN</sup>



0.01 g \$ 250

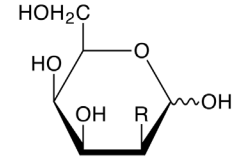
0.05 g \$ 490

**TAL-028**  
**N-[Me-<sup>2</sup>H<sub>3</sub>]acetyl-D-talosamine**  
(2-[Me-<sup>2</sup>H<sub>3</sub>]acetamido-2-deoxy-D-talose)

MW 224.23

C<sub>8</sub><sup>2</sup>H<sub>3</sub>H<sub>12</sub>NO<sub>6</sub>

[282727-46-2]<sup>UN</sup>



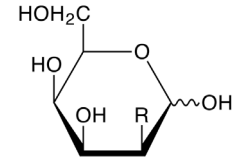
Request Price

**TAL-029**  
**N-[<sup>18</sup>O]acetyl-D-talosamine**  
(2-[<sup>18</sup>O]acetamido-2-deoxy-D-talose)

MW 223.21

C<sub>8</sub>H<sub>15</sub>N<sup>18</sup>O<sub>5</sub>

[282727-46-2]<sup>UN</sup>



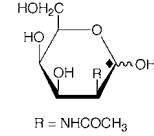
Request Price

**TAL-021**  
**N-acetyl-D-[1-<sup>13</sup>C]talosamine**  
(2-acetamido-2-deoxy-D-[1-<sup>13</sup>C]talose)

MW 222.20

<sup>13</sup>CC<sub>7</sub>H<sub>15</sub>NO<sub>6</sub>

[282727-46-2]<sup>UN</sup>



0.01 g \$ 370

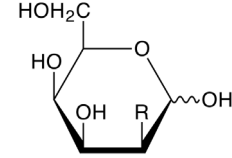
0.05 g \$ 610

**TAL-027**  
**N-[Me-<sup>2</sup>H<sub>3</sub>,<sup>18</sup>O]acetyl-D-talosamine**  
(2-[Me-<sup>2</sup>H<sub>3</sub>,<sup>18</sup>O]acetamido-2-deoxy-D-talose)

MW 226.23

C<sub>8</sub><sup>2</sup>H<sub>3</sub>H<sub>12</sub>N<sup>18</sup>O<sub>5</sub>

[282727-46-2]<sup>UN</sup>



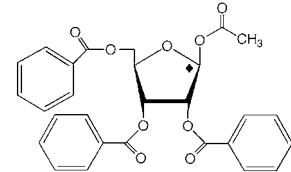
Request Price

**RIB-022**  
**1-O-acetyl 2,3,5-tri-O-benzoyl-  
β-D-[1-<sup>13</sup>C]ribofuranoside**

MW 505.49

<sup>13</sup>CC<sub>27</sub>H<sub>24</sub>O<sub>9</sub>

[6974-32-9]<sup>UN</sup>



0.25 g \$ 275

0.5 g \$ 445

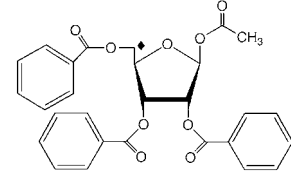
1 g \$ 730

**RIB-023**  
**1-O-acetyl 2,3,5-tri-O-benzoyl-  
β-D-[5-<sup>13</sup>C]ribofuranoside**

MW 505.49

<sup>13</sup>CC<sub>27</sub>H<sub>24</sub>O<sub>9</sub>

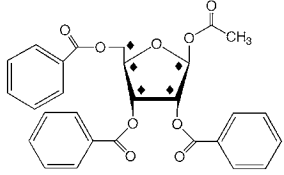
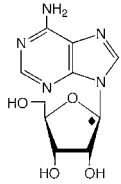
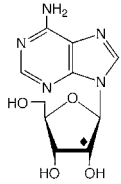
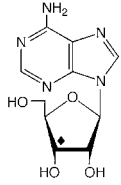
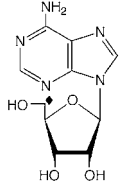
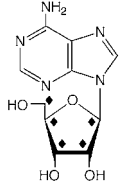
[6974-32-9]<sup>UN</sup>

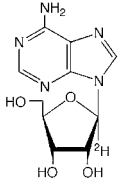
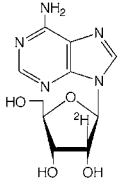
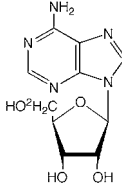
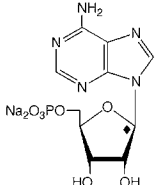
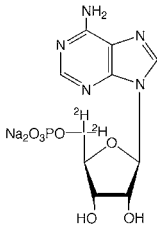




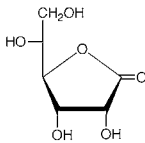
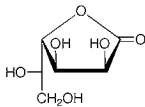
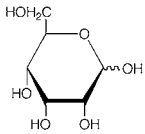
0.25 g \$ 415

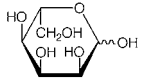
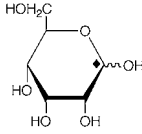
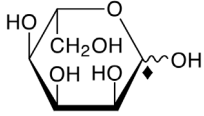
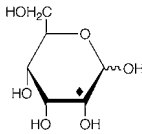
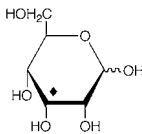
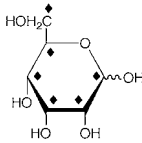
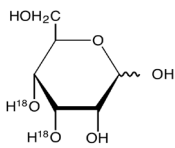
0.5 g \$ 710

1 g \$ 1215

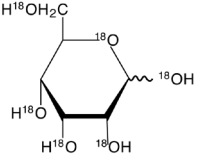
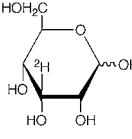
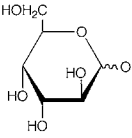
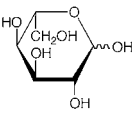
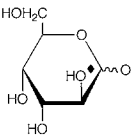
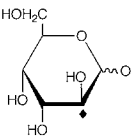
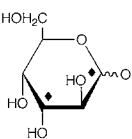
<b>RIB-024</b>	<b>1-<i>O</i>-acetyl 2,3,5-tri-<i>O</i>-benzoyl-<math>\beta</math>-D-[UL-<sup>13</sup>C<sub>5</sub>]ribofuranoside</b>
MW 509.46	<sup>13</sup> C <sub>5</sub> C <sub>23</sub> H <sub>24</sub> O <sub>9</sub> [6974-32-9] <sup>UN</sup>
	0.25 g \$ 610 0.5 g \$ 1050 1 g \$ 1825
<b>NUC-001</b>	<b>[1'-<sup>13</sup>C]adenosine</b>
MW 268.24	<sup>13</sup> CC <sub>9</sub> H <sub>13</sub> N <sub>5</sub> O <sub>4</sub> [201996-55-6]
	0.05 g \$ 275 0.1 g \$ 470 0.25 g \$ 930
<b>NUC-002</b>	<b>[2'-<sup>13</sup>C]adenosine</b>
MW 268.24	<sup>13</sup> CC <sub>9</sub> H <sub>13</sub> N <sub>5</sub> O <sub>4</sub> [714950-52-4]
	0.1 g \$ 570 0.25 g \$ 1125
<b>NUC-003</b>	<b>[3'-<sup>13</sup>C]adenosine</b>
MW 268.24	<sup>13</sup> CC <sub>9</sub> H <sub>13</sub> N <sub>5</sub> O <sub>4</sub> [714950-53-5]
	0.05 g \$ 505 0.1 g \$ 905 0.25 g \$ 1805
<b>NUC-004</b>	<b>[5'-<sup>13</sup>C]adenosine</b>
MW 268.24	<sup>13</sup> CC <sub>9</sub> H <sub>13</sub> N <sub>5</sub> O <sub>4</sub> [54447-57-3]
	0.1 g \$ 675 0.25 g \$ 1340
<b>NUC-005</b>	<b>[1',2',3',4',5'-<sup>13</sup>C<sub>5</sub>]adenosine</b>
MW 272.21	<sup>13</sup> C <sub>5</sub> C <sub>5</sub> H <sub>13</sub> N <sub>5</sub> O <sub>4</sub> [159496-13-6]
	0.05 g \$ 445 0.1 g \$ 810 0.25 g \$ 1610

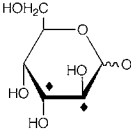
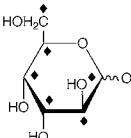
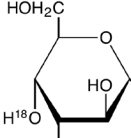
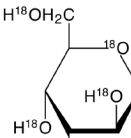
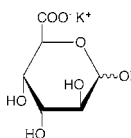
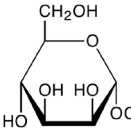
<b>NUC-047</b>	<b>[1'-<sup>2</sup>H]adenosine</b>
MW 268.25	C <sub>10</sub> <sup>2</sup> HH <sub>12</sub> N <sub>5</sub> O <sub>4</sub> [58-61-7] <sup>UN</sup>
	0.05 g \$ 350 0.1 g \$ 590 0.25 g \$ 1175
<b>NUC-060</b>	<b>[2'-<sup>2</sup>H]adenosine</b>
MW 268.25	C <sub>10</sub> <sup>2</sup> HH <sub>12</sub> N <sub>5</sub> O <sub>4</sub> [58-61-7] <sup>UN</sup>
	0.05 g \$ 415 0.1 g \$ 760 0.25 g \$ 1510
<b>NUC-006</b>	<b>[5',5''-<sup>2</sup>H<sub>2</sub>]adenosine</b>
MW 269.26	C <sub>10</sub> <sup>2</sup> H <sub>2</sub> H <sub>11</sub> N <sub>5</sub> O <sub>4</sub> [58-61-7] <sup>UN</sup>
	0.1 g \$ 730 0.25 g \$ 1460
<b>NCT-001</b>	<b>[1'-<sup>13</sup>C]adenosine 5'-monophosphate, disodium salt</b> ([1'- <sup>13</sup> C]5'-adenylic acid, disodium salt)
MW 392.18	<sup>13</sup> CC <sub>9</sub> H <sub>12</sub> N <sub>5</sub> Na <sub>2</sub> O <sub>7</sub> P [149022-20-8] <sup>UN</sup>
	0.01 g \$ 550 0.025 g \$ 1095 0.05 g \$ 2010 0.1 g \$ 3640
<b>NCT-002</b>	<b>[5',5''-<sup>2</sup>H<sub>2</sub>]adenosine 5'-monophosphate, disodium salt</b> ([5',5''- <sup>2</sup> H <sub>2</sub> ]5'-adenylic acid, disodium salt)
MW 393.20	C <sub>10</sub> <sup>2</sup> H <sub>2</sub> H <sub>10</sub> N <sub>5</sub> Na <sub>2</sub> O <sub>7</sub> P [149022-20-8] <sup>UN</sup>
	0.01 g \$ 730 0.025 g \$ 1460 0.05 g \$ 2675 0.1 g \$ 4855

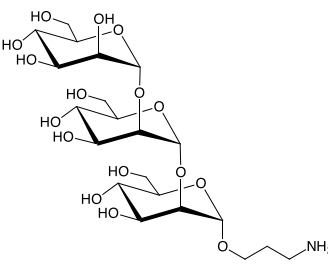
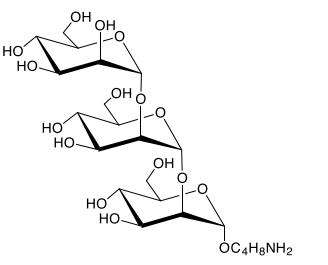
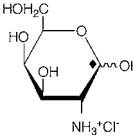
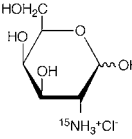
<b>5'-adenylic acid</b>			
see adenosine 5'-monophosphate <i>page 28</i>			
<b>adonitol</b>			
see ribitol <i>page 10</i>			
<b>adonose</b>			
see ribulose <i>page 103</i>			
<b>ALD-001</b>	<b>allitol</b>		
MW 182.17	C <sub>6</sub> H <sub>14</sub> O <sub>6</sub>	[488-44-8]	
	0.25 g	\$	205
	0.5 g	\$	350
	1 g	\$	590
<b>ALD-002</b>	<b>D-[1-<sup>13</sup>C]allitol</b> (L-[6- <sup>13</sup> C]allitol)		
MW 183.17	<sup>13</sup> CC <sub>5</sub> H <sub>14</sub> O <sub>6</sub>	[488-44-8] <sup>UN</sup>	
	0.25 g	\$	325
	0.5 g	\$	550
	1 g	\$	915
<b>allonic acid lactone</b>			
see allono-lactone <i>page 29</i>			
<b>ALL-012</b>	<b>D-allono-1,4-lactone</b> (D-allonic acid γ-lactone)		
MW 178.14	C <sub>6</sub> H <sub>10</sub> O <sub>6</sub>	[29474-78-0]	
	0.25 g	\$	225
<b>ALL-013</b>	<b>L-allono-1,4-lactone</b> (L-allonic acid γ-lactone)		
MW 178.14	C <sub>6</sub> H <sub>10</sub> O <sub>6</sub>	[78184-43-7]	
	0.25 g	\$	490
<b>ALL-003</b>	<b>D-allose</b>		
MW 180.16	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	[2595-97-3]	
	1 g	\$	155

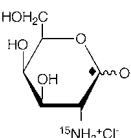
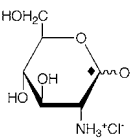
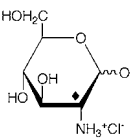
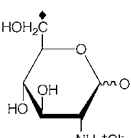
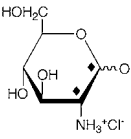
<b>ALL-004</b>	<b>L-allose</b>
MW 180.16	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> [7635-11-2]
	0.25 g \$ 290 0.5 g \$ 480 1 g \$ 830
<b>ALL-001</b>	<b>D-[1-<sup>13</sup>C]allose</b>
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [70849-28-4]
	0.25 g \$ 250 0.5 g \$ 430 1 g \$ 730
<b>ALL-017</b>	<b>L-[1-<sup>13</sup>C]allose</b>
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [7635-11-2] <sup>UN</sup>
	Request Price
<b>ALL-002</b>	<b>D-[2-<sup>13</sup>C]allose</b>
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [2595-97-3] <sup>UN</sup>
	0.25 g \$ 370 0.5 g \$ 625 1 g \$ 1065
<b>ALL-006</b>	<b>D-[3-<sup>13</sup>C]allose</b>
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [2595-97-3] <sup>UN</sup>
	0.25 g \$ 810 0.5 g \$ 1460 1 g \$ 2675
<b>ALL-014</b>	<b>D-[UL-<sup>13</sup>C<sub>6</sub>]allose</b>
MW 186.11	<sup>13</sup> C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> [2595-97-3] <sup>UN</sup>
	Request Price
<b>ALL-015</b>	<b>D-[3,4-<sup>18</sup>O<sub>2</sub>]allose</b>
MW 184.16 >90 atom-% <sup>18</sup> O	C <sub>6</sub> H <sub>12</sub> <sup>18</sup> O <sub>2</sub> O <sub>4</sub> [2595-97-3] <sup>UN</sup>
	Request Price

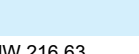


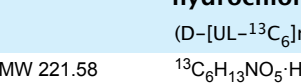
<b>ALL-016</b>	<b>D-[UL-<sup>18</sup>O<sub>6</sub>]allose</b>
MW 192.16 >90 atom-% <sup>18</sup> O	C <sub>6</sub> H <sub>12</sub> <sup>18</sup> O <sub>6</sub> [2595-97-3] <sup>UN</sup>
	Request Price
<b>ALL-005</b>	<b>D-[3-<sup>2</sup>H]allose</b>
MW 181.16	C <sub>6</sub> <sup>2</sup> H <sub>11</sub> O <sub>6</sub> [2595-97-3] <sup>UN</sup>
	Request Price
<b>ALT-003</b>	<b>D-altrose</b>
MW 180.16	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> [1990-29-0]
	0.25 g \$ 235 0.5 g \$ 390 1 g \$ 675
<b>ALT-004</b>	<b>L-altrose</b>
MW 180.16	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> [1949-88-8]
	0.25 g \$ 350 0.5 g \$ 590 1 g \$ 1015
<b>ALT-001</b>	<b>D-[1-<sup>13</sup>C]altrose</b>
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [70849-27-3]
	0.25 g \$ 250 0.5 g \$ 430 1 g \$ 730
<b>ALT-002</b>	<b>D-[2-<sup>13</sup>C]altrose</b>
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [1990-29-0] <sup>UN</sup>
	0.25 g \$ 370 0.5 g \$ 625 1 g \$ 1065
<b>ALT-014</b>	<b>D-[1,3-<sup>13</sup>C<sub>2</sub>]altrose</b>
MW 182.14	<sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>12</sub> O <sub>6</sub> [1990-29-0] <sup>UN</sup>
	Request Price

<b>ALT-010</b>	<b>D-[2,3-<sup>13</sup>C<sub>2</sub>]altrose</b>
MW 182.14	<sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>12</sub> O <sub>6</sub> [1990-29-0] <sup>UN</sup>
	Request Price
<b>ALT-011</b>	<b>D-[UL-<sup>13</sup>C<sub>6</sub>]altrose</b>
MW 186.11	<sup>13</sup> C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> [1990-29-0] <sup>UN</sup>
	Request Price
<b>ALT-017</b>	<b>D-[3,4-<sup>18</sup>O<sub>2</sub>]altrose</b>
MW 184.16 >90 atom-% <sup>18</sup> O	C <sub>6</sub> H <sub>12</sub> <sup>18</sup> O <sub>2</sub> O <sub>4</sub> [1990-29-0] <sup>UN</sup>
	Request Price
<b>ALT-018</b>	<b>D-[UL-<sup>18</sup>O<sub>6</sub>]altrose</b>
MW 192.16 >90 atom-% <sup>18</sup> O	C <sub>6</sub> H <sub>12</sub> <sup>18</sup> O <sub>6</sub> [1990-29-0] <sup>UN</sup>
	Request Price
<b>ALT-008</b>	<b>D-altruronic acid, potassium salt</b> (Potassium D-altruronate)
MW 232.23	C <sub>6</sub> H <sub>9</sub> KO <sub>7</sub>
	0.05 g \$ 250
<b>MAN-050</b>	<b>4-aminobutyl α-D-mannopyranoside</b>
MW 251.28	C <sub>10</sub> H <sub>21</sub> NO <sub>6</sub>
	Request Price


<b>TRI-040</b>	<b>3-aminopropyl 2-O-(α-D-mannopyranosyl) 2-O-(α-D-mannopyranosyl) α-D-mannopyranoside</b>
MW 561.53	C <sub>21</sub> H <sub>39</sub> NO <sub>16</sub>
	Request Price
<b>TRI-014</b>	<b>4-aminobutyl α-D-Manp-(1→2)- α-D-Manp-(1→2)-α-D-Manp</b> (4-aminobutyl 2-O-(α-D-mannopyranosyl) 2-O-(α-D-mannopyranosyl) α-D-mannopyranoside)
MW 575.56	C <sub>22</sub> H <sub>41</sub> NO <sub>16</sub>
	Request Price
<b>GAL-002</b>	<b>2-amino-2-deoxy-D-[1-<sup>13</sup>C]galactose hydrochloride</b> (D-[1- <sup>13</sup> C]galactosamine hydrochloride)
MW 216.63	<sup>13</sup> CC <sub>5</sub> H <sub>13</sub> NO <sub>5</sub> ·HCl [478518-54-6]
	0.1 g \$ 700 0.25 g \$ 1630
<b>GAL-003</b>	<b>2-[<sup>15</sup>N]amino-2-deoxy-D-galactose hydrochloride</b> (D-[ <sup>15</sup> N]galactosamine hydrochloride)
MW 216.64	C <sub>6</sub> H <sub>13</sub> <sup>15</sup> NO <sub>5</sub> ·HCl [478518-55-7]
	0.1 g \$ 1195 0.25 g \$ 2820

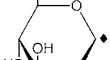
<b>GAL-032</b>	<b>2-[<sup>15</sup>N]amino-2-deoxy-D-[1-<sup>13</sup>C]galactose hydrochloride</b> (D-[1- <sup>13</sup> C; <sup>15</sup> N]galactosamine hydrochloride)
MW 217.63	<sup>13</sup> CC <sub>5</sub> H <sub>13</sub> <sup>15</sup> NO <sub>5</sub> ·HCl [1772-03-8] <sup>UN</sup>
	Request Price
<b>GLC-007</b>	<b>2-amino-2-deoxy-D-[1-<sup>13</sup>C]glucose hydrochloride</b> (D-[1- <sup>13</sup> C]glucosamine hydrochloride)
MW 216.63	<sup>13</sup> CC <sub>5</sub> H <sub>13</sub> NO <sub>5</sub> ·HCl [84247-63-2]
	0.05 g \$ 395 0.1 g \$ 700 0.25 g \$ 1630
<b>GLC-070</b>	<b>2-amino-2-deoxy-D-[2-<sup>13</sup>C]glucose hydrochloride</b> (D-[2- <sup>13</sup> C]glucosamine hydrochloride)
MW 216.63	<sup>13</sup> CC <sub>5</sub> H <sub>13</sub> NO <sub>5</sub> ·HCl [66-84-2] <sup>UN</sup>
	0.05 g \$ 515 0.1 g \$ 930 0.25 g \$ 1825
<b>GLC-096</b>	<b>2-amino-2-deoxy-D-[6-<sup>13</sup>C]glucose hydrochloride</b> (D-[6- <sup>13</sup> C]glucosamine hydrochloride)
MW 216.63	<sup>13</sup> CC <sub>5</sub> H <sub>13</sub> NO <sub>5</sub> ·HCl [66-84-2] <sup>UN</sup>
	0.1 g \$ 1035 0.25 g \$ 2185
<b>GLC-092</b>	<b>2-amino-2-deoxy-D-[1,2-<sup>13</sup>C<sub>2</sub>]glucose hydrochloride</b> (D-[1,2- <sup>13</sup> C <sub>2</sub> ]glucosamine hydrochloride)
MW 217.62	<sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>13</sub> NO <sub>5</sub> ·HCl [66-84-2] <sup>UN</sup>
	0.025 g \$ 370 0.05 g \$ 610 0.1 g \$ 1035 0.25 g \$ 2185

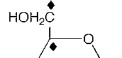
<p><b>MAN-003</b></p>	<p><b>2-amino-2-deoxy-D-[1-<sup>13</sup>C]mannose hydrochloride</b></p> <p>(D-[1-<sup>13</sup>C]mannosamine hydrochloride)</p>
<p>MW 216.63</p>	<p><sup>13</sup>CC<sub>5</sub>H<sub>13</sub>NO<sub>5</sub>·HCl <span style="float: right;">[5505-63-5]<sup>UN</sup></span></p>
 <p style="text-align: center;">R = NH<sub>3</sub><sup>+</sup> Cl<sup>-</sup></p>	<p style="text-align: right;">Request Price</p>

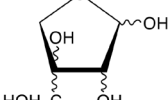
<p><b>MAN-065</b></p>	<p><b>2-amino-2-deoxy-D-[<sup>13</sup>C<sub>6</sub>]mannose hydrochloride</b> (D-[UL-<sup>13</sup>C<sub>6</sub>]mannosamine hydrochloride)</p>
<p>MW 221.58</p>	<p><sup>13</sup>C<sub>6</sub>H<sub>13</sub>NO<sub>5</sub>·HCl <span style="float: right;">[5505-63-5]<sup>UN</sup></span></p>
<div style="display: flex; align-items: center; justify-content: space-between;"> <div data-bbox="814 479 1100 558">  <p style="text-align: center;">R = NH<sub>3</sub><sup>+</sup> Cl<sup>-</sup></p> </div> <div data-bbox="1100 479 1451 558" style="text-align: right;"> <p>Request Price</p> </div> </div>	

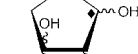
<b>GAL-029</b>	<b>1,6-anhydro-β-D-[UL-<sup>13</sup>C<sub>6</sub>]galactose</b> (1,6-anhydro-β-D-[UL- <sup>13</sup> C <sub>6</sub> ]galactopyranose)					
MW 168.09	<sup>13</sup> C <sub>6</sub> H <sub>10</sub> O <sub>5</sub>	[644-76-8] <sup>UN</sup>				
		<table><tr><td>0.05 g</td><td>\$ 880</td></tr><tr><td>0.1 g</td><td>\$ 1680</td></tr></table>	0.05 g	\$ 880	0.1 g	\$ 1680
0.05 g	\$ 880					
0.1 g	\$ 1680					

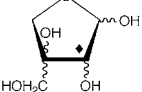
<b>ALD-070</b>	<b>1,5-anhydro-D-glucitol</b> (1,5-anhydro-D-sorbitol)		
MW 164.16	C <sub>6</sub> H <sub>12</sub> O <sub>5</sub>		[154-58-5]
	0.1	g	\$ 100
	1	g	\$ 250
<b>ALD-071</b>	<b>1,5-anhydro-D-[1-<sup>13</sup>C]glucitol</b>		

<p><b>(1,5-anhydro-D-[1-<sup>13</sup>C]sorbitol)</b></p>			
MW 165.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>5</sub>		[154-58-5] <sup>UN</sup>
		0.025 g	\$ 225
		0.05 g	\$ 350
		0.1 g	\$ 610
<p><b>ALD-069</b></p>			
<p><b>1,5-anhydro-D-[UL-<sup>13</sup>C<sub>6</sub>]glucitol</b></p>			
<p>(1,5-anhydro-D-[UL-<sup>13</sup>C]sorbitol)</p>			

MW 170.11	$^{13}\text{C}_6\text{H}_{12}\text{O}_5$	[154-58-5] <sup>UN</sup>
		
	0.025 g	\$ 275
	0.05 g	\$ 430
	0.1 g	\$ 730

API-004			
DL-apiose			
MW 150.13	$C_5H_{10}O_5$	[42927-70-8]	
Supplied as an aqueous solution.			
	0.1 g	\$	295
	0.25 g	\$	525
	0.5 g	\$	945
	1 g	\$	1765



API-002		DL-[1- <sup>13</sup> C]apiose	
MW 151.12	<sup>13</sup> CC <sub>4</sub> H <sub>10</sub> O <sub>5</sub>		
<i>Supplied as an aqueous solution.</i>			
		0.25 g	\$ 550
		0.5 g	\$ 930
		1 g	\$ 1585


<b>API-003</b>		<b>DL-[2-<sup>13</sup>C]apiose</b>	
MW 151.12		<sup>13</sup> CC <sub>4</sub> H <sub>10</sub> O <sub>5</sub>	
Supplied as an aqueous solution.			
		0.25 g	\$ 590
		0.5 g	\$ 975
		1 g	\$ 1705
<b>ARA-026</b>		<b>D-arabinaric acid, dipotassium salt</b>	
(Dipotassium D-arabinarate)			





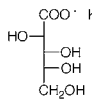
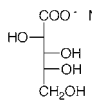
MW 256.30       $C_5H_6K_2O_7$   
  
 0.25 g      \$ 500

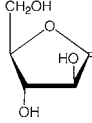
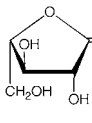
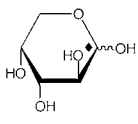
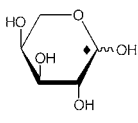
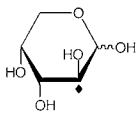
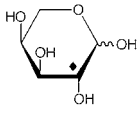
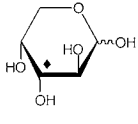
$\begin{array}{c} \text{OH} \\ | \\ \text{OH} \\ | \\ \text{COO}^- \text{K}^+ \end{array}$

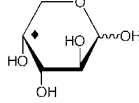
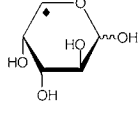
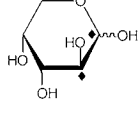
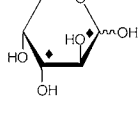
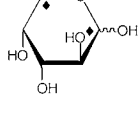
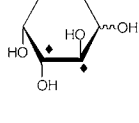
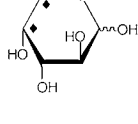
	(Dipotassium L-arabinarate)
MW 256.30	C <sub>5</sub> H <sub>6</sub> K <sub>2</sub> O <sub>7</sub>

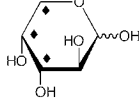
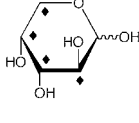
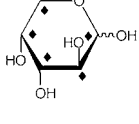
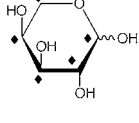
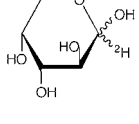
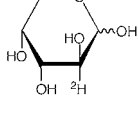
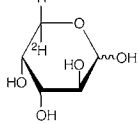
	0.25 g	\$ 590
<b>ALD-003</b> <b>D-[1-<sup>13</sup>C]arabinitol</b> (D-[1- <sup>13</sup> C]arabitol; D-[5- <sup>13</sup> C]lyxitol)		
MW 153.14	<sup>13</sup> CC <sub>4</sub> H <sub>12</sub> O <sub>5</sub>	[488-82-4] <sup>UN</sup>
	0.1 g	\$ 165
	0.25 g	\$ 325
	0.5 g	\$ 550

<b>ALD-004</b>	<b>D-[2-<sup>13</sup>C]arabinitol</b> (D-[2- <sup>13</sup> C]arabitol; D-[4- <sup>13</sup> C]lyxitol)			
MW 153.14	<sup>13</sup> CC <sub>4</sub> H <sub>12</sub> O <sub>5</sub>			[488-82-4] <sup>UN</sup>
		0.25	g	\$ 370
		0.5	g	\$ 630
		1	g	\$ 1095

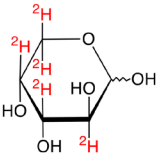
<b>ALD-005</b>	<b>D-[5-<sup>13</sup>C]arabinitol</b> (D-[5- <sup>13</sup> C]arabitol; D-[1- <sup>13</sup> C]lyxitol)
MW 153.14	<sup>13</sup> CC <sub>4</sub> H <sub>12</sub> O <sub>5</sub> [488-82-4] <sup>UN</sup>
	0.1 g \$ 165 0.25 g \$ 325 0.5 g \$ 550 1 g \$ 915
<b>ALD-006</b>	<b>D-[1,2-<sup>13</sup>C<sub>2</sub>]arabinitol</b> (D-[1,2- <sup>13</sup> C <sub>2</sub> ]arabitol; D-[4,5- <sup>13</sup> C <sub>2</sub> ]lyxitol)
MW 154.13	<sup>13</sup> C <sub>2</sub> C <sub>3</sub> H <sub>12</sub> O <sub>5</sub> [488-82-4] <sup>UN</sup>
	0.1 g \$ 295 0.25 g \$ 580 0.5 g \$ 985 1 g \$ 1705
<b>ALD-065</b>	<b>D-[4,5-<sup>13</sup>C<sub>2</sub>]arabinitol</b> (D-[4,5- <sup>13</sup> C <sub>2</sub> ]arabitol; D-[1,2- <sup>13</sup> C <sub>2</sub> ]lyxitol)
MW 154.13	<sup>13</sup> C <sub>2</sub> C <sub>3</sub> H <sub>12</sub> O <sub>5</sub> [488-82-4] <sup>UN</sup>
	Request Price
<b>ALD-007</b>	<b>D-[UL-<sup>13</sup>C<sub>5</sub>]arabinitol</b> (D-[UL- <sup>13</sup> C <sub>5</sub> ]arabitol; D-[UL- <sup>13</sup> C <sub>5</sub> ]lyxitol)
MW 157.11	<sup>13</sup> C <sub>5</sub> H <sub>12</sub> O <sub>5</sub> [488-82-4] <sup>UN</sup>
	0.1 g \$ 405 0.25 g \$ 820 0.5 g \$ 1480 1 g \$ 2675
<b>D-arabino-hexos-2-ulose</b> <i>see</i> glucosone <i>page</i> 67	
<b>ARA-028</b>	<b>D-arabinonic acid, potassium salt</b> (Potassium D-arabinonate)
MW 204.22	C <sub>5</sub> H <sub>9</sub> KO <sub>6</sub> [36232-89-0]
	1 g \$ 130
<b>ARA-027</b>	<b>D-arabinonic acid, sodium salt</b> (Sodium D-arabinonate)
MW 188.11	C <sub>5</sub> H <sub>9</sub> NaO <sub>6</sub> [109175-66-8]
	Request Price
<b>arabinonic acid lactone</b> <i>see</i> arabinono-lactone <i>page</i> 34	

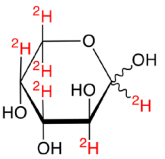
<b>ARA-023</b>	<b>D-arabinono-1,4-lactone</b> (D-arabinonic acid γ-lactone)
MW 148.11	C <sub>5</sub> H <sub>8</sub> O <sub>5</sub> [2782-09-4]
	1 g \$ 305
<b>ARA-024</b>	<b>L-arabinono-1,4-lactone</b> (L-arabinonic acid γ-lactone)
MW 148.11	C <sub>5</sub> H <sub>8</sub> O <sub>5</sub> [51532-86-6]
	Request Price
<b>ARA-001</b>	<b>D-[1-<sup>13</sup>C]arabinose</b>
MW 151.12	<sup>13</sup> CC <sub>4</sub> H <sub>10</sub> O <sub>5</sub> [70849-23-9]
	0.25 g \$ 155 0.5 g \$ 250 1 g \$ 430
<b>ARA-021</b>	<b>L-[1-<sup>13</sup>C]arabinose</b>
MW 151.12	<sup>13</sup> CC <sub>4</sub> H <sub>10</sub> O <sub>5</sub> [87-72-9] <sup>UN</sup>
	0.1 g \$ 155 0.25 g \$ 250 0.5 g \$ 430 1 g \$ 730
<b>ARA-002</b>	<b>D-[2-<sup>13</sup>C]arabinose</b>
MW 151.12	<sup>13</sup> CC <sub>4</sub> H <sub>10</sub> O <sub>5</sub> [101615-87-6]
	0.1 g \$ 155 0.25 g \$ 305 0.5 g \$ 525 1 g \$ 915
<b>ARA-010</b>	<b>L-[2-<sup>13</sup>C]arabinose</b>
MW 151.12	<sup>13</sup> CC <sub>4</sub> H <sub>10</sub> O <sub>5</sub> [87-72-9] <sup>UN</sup>
	0.1 g \$ 185 0.25 g \$ 370 0.5 g \$ 675 1 g \$ 1215
<b>ARA-003</b>	<b>D-[3-<sup>13</sup>C]arabinose</b>
MW 151.12	<sup>13</sup> CC <sub>4</sub> H <sub>10</sub> O <sub>5</sub> [10323-20-3] <sup>UN</sup>
	0.1 g \$ 470 0.25 g \$ 940 0.5 g \$ 1655 1 g \$ 2915

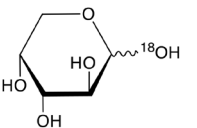
<b>ARA-020</b>	<b>D-[4-<sup>13</sup>C]arabinose</b>
MW 151.12	<sup>13</sup> CC <sub>4</sub> H <sub>10</sub> O <sub>5</sub> [10323-20-3] <sup>UN</sup>
	0.1 g \$ 730 0.25 g \$ 1460
<b>ARA-004</b>	<b>D-[5-<sup>13</sup>C]arabinose</b>
MW 151.12	<sup>13</sup> CC <sub>4</sub> H <sub>10</sub> O <sub>5</sub> [139657-60-6]
	0.1 g \$ 130 0.25 g \$ 250 0.5 g \$ 430 1 g \$ 730
<b>ARA-005</b>	<b>D-[1,2-<sup>13</sup>C<sub>2</sub>]arabinose</b>
MW 152.11	<sup>13</sup> C <sub>2</sub> C <sub>3</sub> H <sub>10</sub> O <sub>5</sub> [10323-20-3] <sup>UN</sup>
	0.1 g \$ 250 0.25 g \$ 480 0.5 g \$ 830 1 g \$ 1460
<b>ARA-011</b>	<b>D-[1,3-<sup>13</sup>C<sub>2</sub>]arabinose</b>
MW 152.11	<sup>13</sup> C <sub>2</sub> C <sub>3</sub> H <sub>10</sub> O <sub>5</sub> [10323-20-3] <sup>UN</sup>
	0.1 g \$ 590 0.25 g \$ 1195 0.5 g \$ 2065 1 g \$ 3520
<b>ARA-012</b>	<b>D-[1,5-<sup>13</sup>C<sub>2</sub>]arabinose</b>
MW 152.11	<sup>13</sup> C <sub>2</sub> C <sub>3</sub> H <sub>10</sub> O <sub>5</sub> [10323-20-3] <sup>UN</sup>
	0.1 g \$ 370 0.25 g \$ 770 0.5 g \$ 1340 1 g \$ 2305
<b>ARA-013</b>	<b>D-[2,3-<sup>13</sup>C<sub>2</sub>]arabinose</b>
MW 152.11	<sup>13</sup> C <sub>2</sub> C <sub>3</sub> H <sub>10</sub> O <sub>5</sub> [10323-20-3] <sup>UN</sup>
	Request Price
<b>ARA-029</b>	<b>D-[4,5-<sup>13</sup>C<sub>2</sub>]arabinose</b>
MW 152.11	<sup>13</sup> C <sub>2</sub> C <sub>3</sub> H <sub>10</sub> O <sub>5</sub> [10323-20-3] <sup>UN</sup>
	0.1 g \$ 730

<b>ARA-031</b>	<b>D-[3,4,5-<sup>13</sup>C<sub>3</sub>]arabinose</b>
MW 153.11	<sup>13</sup> C <sub>3</sub> C <sub>2</sub> H <sub>10</sub> O <sub>5</sub> [10323-20-3] <sup>UN</sup>
	Request Price
<b>ARA-019</b>	<b>D-[2,3,4,5-<sup>13</sup>C<sub>4</sub>]arabinose</b>
MW 154.10	<sup>13</sup> C <sub>4</sub> CH <sub>10</sub> O <sub>5</sub> [10323-20-3] <sup>UN</sup>
	0.1 g \$ 470 0.25 g \$ 955 0.5 g \$ 1640 1 g \$ 2915
<b>ARA-006</b>	<b>D-[UL-<sup>13</sup>C<sub>5</sub>]arabinose</b>
MW 155.09	<sup>13</sup> C <sub>5</sub> H <sub>10</sub> O <sub>5</sub> [10323-20-3] <sup>UN</sup>
	0.1 g \$ 225 0.25 g \$ 445 0.5 g \$ 810 1 g \$ 1460
<b>ARA-030</b>	<b>L-[UL-<sup>13</sup>C<sub>5</sub>]arabinose</b>
MW 155.09	<sup>13</sup> C <sub>5</sub> H <sub>10</sub> O <sub>5</sub> [87-72-9] <sup>UN</sup>
	0.05 g \$ 305 0.1 g \$ 550
<b>ARA-007</b>	<b>D-[1-<sup>2</sup>H]arabinose</b>
MW 151.14	C <sub>5</sub> <sup>2</sup> HH <sub>9</sub> O <sub>5</sub> [77583-92-7]
	0.1 g \$ 145 0.25 g \$ 275 0.5 g \$ 445 1 g \$ 730
<b>ARA-008</b>	<b>D-[2-<sup>2</sup>H]arabinose</b>
MW 151.14	C <sub>5</sub> <sup>2</sup> HH <sub>9</sub> O <sub>5</sub> [288846-87-7]
	0.1 g \$ 165 0.25 g \$ 325 0.5 g \$ 525 1 g \$ 880
<b>ARA-009</b>	<b>D-[5,5'-<sup>2</sup>H<sub>2</sub>]arabinose</b>
MW 152.15	C <sub>5</sub> <sup>2</sup> H <sub>2</sub> H <sub>8</sub> O <sub>5</sub> [10323-20-3] <sup>UN</sup>
	0.1 g \$ 165 0.25 g \$ 325 0.5 g \$ 525 1 g \$ 880



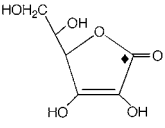
<b>ARA-032</b>	<b>D-[2,3,4,5,5'-<sup>2</sup>H<sub>5</sub>]arabinose</b>
MW 155.16	C <sub>5</sub> <sup>2</sup> H <sub>5</sub> H <sub>5</sub> O <sub>5</sub> [10323-20-3] <sup>UN</sup>
	0.05 g \$ 305
	0.1 g \$ 525
	0.25 g \$ 1050
	0.5 g \$ 2010

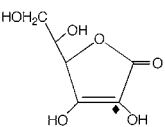
<b>ARA-033</b>	<b>D-[1,2,3,4,5,5'-<sup>2</sup>H<sub>6</sub>]arabinose</b> (D-[UL- <sup>2</sup> H <sub>6</sub> ]arabinose)
MW 156.17	C <sub>5</sub> <sup>2</sup> H <sub>6</sub> H <sub>4</sub> O <sub>5</sub> [10323-20-3] <sup>UN</sup>
	0.05 g \$ 185
	0.1 g \$ 325
	0.25 g \$ 675
	0.5 g \$ 1215
	1 g \$ 2185

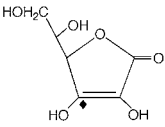
<b>ARA-034</b>	<b>D-[1-<sup>18</sup>O]arabinose</b>
MW 152.13 >90 atom-% <sup>18</sup> O	C <sub>5</sub> H <sub>10</sub> <sup>18</sup> OO <sub>4</sub> [10323-20-3] <sup>UN</sup>
	Request Price

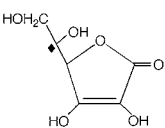
<b>arabite</b>
see arabinitol page 33

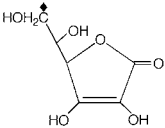
<b>arabitol</b>
see arabinitol page 33

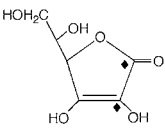
<b>ASC-001</b>	<b>L-[1-<sup>13</sup>C]ascorbic acid</b> ([1- <sup>13</sup> C]vitamin C)
MW 177.12	<sup>13</sup> CC <sub>5</sub> H <sub>8</sub> O <sub>6</sub> [178101-88-7]
	0.05 g \$ 225
	0.1 g \$ 370
	0.25 g \$ 730
	0.5 g \$ 1340
	1 g \$ 2430

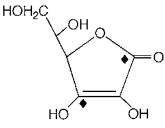
<b>ASC-002</b>	<b>L-[2-<sup>13</sup>C]ascorbic acid</b> ([2- <sup>13</sup> C]vitamin C)
MW 177.12	<sup>13</sup> CC <sub>5</sub> H <sub>8</sub> O <sub>6</sub> [178101-89-8]
	0.05 g \$ 265
	0.1 g \$ 470
	0.25 g \$ 930
	0.5 g \$ 1610
	1 g \$ 2915

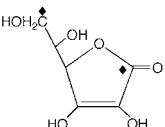
<b>ASC-003</b>	<b>L-[3-<sup>13</sup>C]ascorbic acid</b> ([3- <sup>13</sup> C]vitamin C)
MW 177.12	<sup>13</sup> CC <sub>5</sub> H <sub>8</sub> O <sub>6</sub> [50-81-7] <sup>UN</sup>
	0.05 g \$ 350
	0.1 g \$ 610
	0.25 g \$ 1245
	0.5 g \$ 2370
	1 g \$ 4490

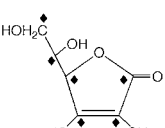
<b>ASC-005</b>	<b>L-[5-<sup>13</sup>C]ascorbic acid</b> ([5- <sup>13</sup> C]vitamin C)
MW 177.12	<sup>13</sup> CC <sub>5</sub> H <sub>8</sub> O <sub>6</sub> [50-81-7] <sup>UN</sup>
	0.05 g \$ 490
	0.1 g \$ 930
	0.25 g \$ 1850
	0.5 g \$ 3500
	1 g \$ 6675

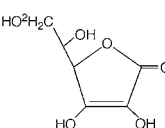
<b>ASC-006</b>	<b>L-[6-<sup>13</sup>C]ascorbic acid</b> ([6- <sup>13</sup> C]vitamin C)
MW 177.12	<sup>13</sup> CC <sub>5</sub> H <sub>8</sub> O <sub>6</sub> [149153-08-2]
	0.05 g \$ 325
	0.1 g \$ 590
	0.25 g \$ 1185
	0.5 g \$ 2250
	1 g \$ 4250

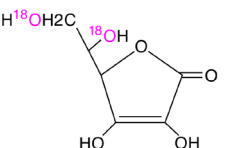
<b>ASC-011</b>	<b>L-[1,2-<sup>13</sup>C<sub>2</sub>]ascorbic acid</b> ([1,2- <sup>13</sup> C <sub>2</sub> ]vitamin C)
MW 178.11	<sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>8</sub> O <sub>6</sub> [50-81-7] <sup>UN</sup>
	0.05 g \$ 350
	0.1 g \$ 640
	0.25 g \$ 1280
	0.5 g \$ 2430
	1 g \$ 4610

<b>ASC-009</b>	<b>L-[1,3-<sup>13</sup>C<sub>2</sub>]ascorbic acid</b> ([1,3- <sup>13</sup> C <sub>2</sub> ]vitamin C)
MW 178.11	<sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>8</sub> O <sub>6</sub> [50-81-7] <sup>UN</sup>
	0.25 g \$ 1340
	0.5 g \$ 2555
	1 g \$ 4855

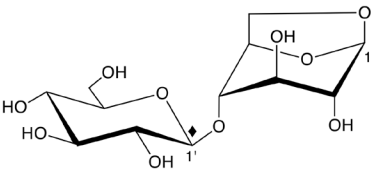
<b>ASC-008</b>	<b>L-[1,6-<sup>13</sup>C<sub>2</sub>]ascorbic acid</b> ([1,6- <sup>13</sup> C <sub>2</sub> ]vitamin C)
MW 178.11	<sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>8</sub> O <sub>6</sub> [50-81-7] <sup>UN</sup>
	0.05 g \$ 370
	0.1 g \$ 675
	0.25 g \$ 1340
	0.5 g \$ 2675
	1 g \$ 5100

<b>ASC-010</b>	<b>L-[UL-<sup>13</sup>C<sub>6</sub>]ascorbic acid</b> ([UL- <sup>13</sup> C <sub>6</sub> ]vitamin C)
MW 182.08	<sup>13</sup> C <sub>6</sub> H <sub>8</sub> O <sub>6</sub> [50-81-7] <sup>UN</sup>
	0.01 g \$ 185
	0.025 g \$ 350
	0.05 g \$ 590
	0.1 g \$ 1115
	0.25 g \$ 2220
	0.5 g \$ 4185
	1 g \$ 8010

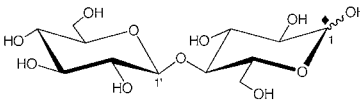
<b>ASC-007</b>	<b>L-[6,6'-<sup>2</sup>H<sub>2</sub>]ascorbic acid</b> ([6,6'- <sup>2</sup> H <sub>2</sub> ]vitamin C)
MW 178.14	C <sub>6</sub> <sup>2</sup> H <sub>2</sub> H <sub>6</sub> O <sub>6</sub> [50-81-7] <sup>UN</sup>
	0.25 g \$ 1185
	0.5 g \$ 2250
	1 g \$ 4250

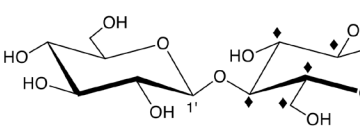
<b>ASC-012</b>	<b>L-[5,6-<sup>18</sup>O<sub>2</sub>]ascorbic acid</b> ([5,6- <sup>18</sup> O <sub>2</sub> ]vitamin C)
MW 180.13	C <sub>6</sub> H <sub>8</sub> <sup>18</sup> O <sub>2</sub> O <sub>4</sub> [50-81-7] <sup>UN</sup>
	Request Price

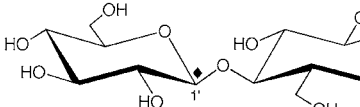
<b>CEL-004</b>	<b>[1'-<sup>13</sup>C]cellobiosan</b> (4-O-(β-D-[1- <sup>13</sup> C]glucopyranosyl)-1,6-anhydro-D-glucopyranose)
MW 325.27	<sup>13</sup> CC <sub>11</sub> H <sub>20</sub> O <sub>10</sub> [35405-71-1] <sup>UN</sup>

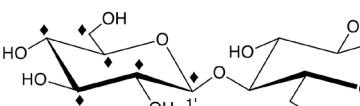


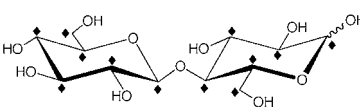
Request Price

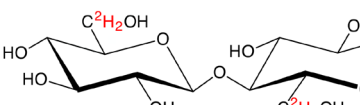
<b>CEL-001</b>	<b>[1-<sup>13</sup>C]cellobiose</b> (4-O-β-D-glucopyranosyl-D-[1- <sup>13</sup> C]glucose)
MW 343.29	<sup>13</sup> CC <sub>11</sub> H <sub>22</sub> O <sub>11</sub> [528-50-7] <sup>UN</sup>
	0.05 g \$ 370
	0.1 g \$ 590
	0.25 g \$ 1175
	0.5 g \$ 2010
	1 g \$ 3640

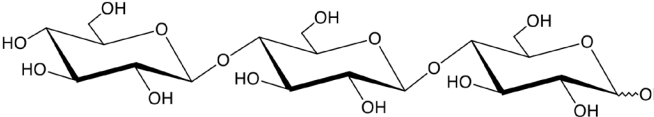
<b>CEL-007</b>	<b>[1,2,3,4,5,6-<sup>13</sup>C<sub>6</sub>]cellobiose</b> (β-D-glucopyranosyl-(1→4)D-[UL- <sup>13</sup> C <sub>6</sub> ]glucose)
MW 348.25	<sup>13</sup> C <sub>6</sub> C <sub>6</sub> H <sub>22</sub> O <sub>11</sub> [528-50-7] <sup>UN</sup>
	Request Price

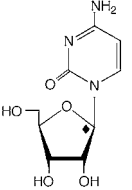
<b>CEL-003</b>	<b>[1'-<sup>13</sup>C]cellobiose</b> (4-O-β-D-[1- <sup>13</sup> C]glucopyranosyl-D-glucose)
MW 343.29	<sup>13</sup> CC <sub>11</sub> H <sub>22</sub> O <sub>11</sub> [528-50-7] <sup>UN</sup>
	0.05 g \$ 370
	0.1 g \$ 590
	0.25 g \$ 1175
	0.5 g \$ 2010
	1 g \$ 3640

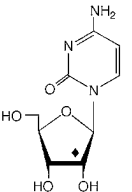
<b>CEL-008</b>	<b>[1',2',3',4',5',6'-<sup>13</sup>C<sub>6</sub>]cellobiose</b> (β-D-[UL- <sup>13</sup> C <sub>6</sub> ]glucopyranosyl-(1→4)-D-glucose)
MW 348.25	<sup>13</sup> C <sub>6</sub> C <sub>6</sub> H <sub>22</sub> O <sub>11</sub> [528-50-7] <sup>UN</sup>
	0.025 g \$ 250
	0.05 g \$ 390
	0.1 g \$ 730
	0.25 g \$ 1460

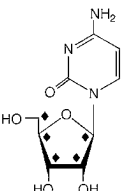
<b>CEL-002</b>	<b>[UL-<sup>13</sup>C<sub>12</sub>]cellobiose</b> (4-O-β-D-[UL- <sup>13</sup> C <sub>6</sub> ]glucopyranosyl-D-[UL- <sup>13</sup> C <sub>6</sub> ]glucose)
MW 354.20	<sup>13</sup> C <sub>12</sub> H <sub>22</sub> O <sub>11</sub> [528-50-7] <sup>UN</sup>
	0.025 g \$ 305
	0.05 g \$ 490
	0.1 g \$ 915
	0.25 g \$ 1825

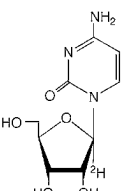
<b>CEL-005</b>	<b>[6,6',6'',6'''-<sup>2</sup>H<sub>4</sub>]cellobiose</b> (β-D-[6,6'- <sup>2</sup> H <sub>2</sub> ]glucopyranosyl-(1→4)-D-[6,6'- <sup>2</sup> H <sub>2</sub> ]glucose)
MW 346.32	C <sub>12</sub> <sup>2</sup> H <sub>4</sub> H <sub>18</sub> O <sub>11</sub> [528-50-7] <sup>UN</sup>
	Request Price

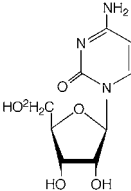
<b>CEL-006</b>	<b>cellotriose</b> (4- <i>O</i> -β-D-glucopyranosyl-4- <i>O</i> -β-D-glucopyranosyl-D-glucose)
MW 504.44	C <sub>18</sub> H <sub>32</sub> O <sub>16</sub> [33404-34-1]
	
Request Price	
<b>2-chloro-2-deoxy-D-glucose</b> <i>see</i> 2-deoxy-2-chloro-D-glucose <i>page</i> 39	
<b>2-chloro-2-deoxy-D-mannose</b> <i>see</i> 2-deoxy-2-chloro-D-mannose <i>page</i> 39	

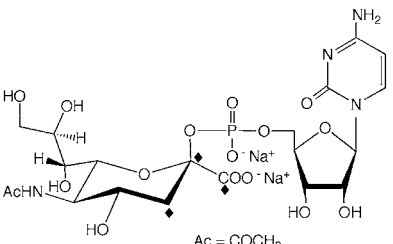
<b>NUC-007</b>	<b>[1'-<sup>13</sup>C]cytidine</b>
MW 244.21	<sup>13</sup> CC <sub>8</sub> H <sub>13</sub> N <sub>3</sub> O <sub>5</sub> [201996-57-8]
	
	0.05 g \$ 275
	0.1 g \$ 470
	0.25 g \$ 930

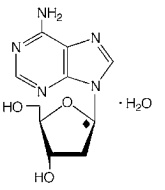
<b>NUC-035</b>	<b>[2'-<sup>13</sup>C]cytidine</b>
MW 244.21	<sup>13</sup> CC <sub>8</sub> H <sub>13</sub> N <sub>3</sub> O <sub>5</sub> [478511-19-2]
	
	0.1 g \$ 570
	0.25 g \$ 1125

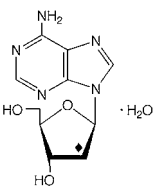
<b>NUC-056</b>	<b>[1',2',3',4',5'-<sup>13</sup>C<sub>5</sub>]cytidine</b>
MW 248.18	<sup>13</sup> C <sub>5</sub> C <sub>4</sub> H <sub>13</sub> N <sub>3</sub> O <sub>5</sub> [65-46-3] <sup>UN</sup>
	
	0.05 g \$ 395
	0.1 g \$ 675
	0.25 g \$ 1340

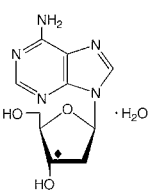
<b>NUC-049</b>	<b>[1'-<sup>2</sup>H]cytidine</b>
MW 244.22	C <sub>9</sub> <sup>2</sup> HH <sub>12</sub> N <sub>3</sub> O <sub>5</sub> [65-46-3] <sup>UN</sup>
	
	0.1 g \$ 590
	0.25 g \$ 1175

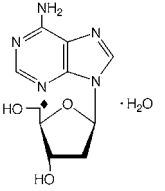
<b>NUC-036</b>	<b>[5',5''-<sup>2</sup>H<sub>2</sub>]cytidine</b>
MW 245.23	C <sub>9</sub> <sup>2</sup> H <sub>2</sub> H <sub>11</sub> N <sub>3</sub> O <sub>5</sub> [478511-21-6]
	
	0.1 g \$ 730
	0.25 g \$ 1460

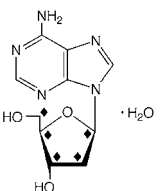
<b>NTS-004</b>	<b>cytidine 5'-monophospho-β-<i>N</i>-acetyl-D-[1,2,3-<sup>13</sup>C<sub>3</sub>]neuraminic acid, disodium salt</b> (CMP-[1,2,3- <sup>13</sup> C <sub>3</sub> ]NANA, disodium salt)
MW 661.39	<sup>13</sup> C <sub>3</sub> C <sub>17</sub> H <sub>29</sub> N <sub>4</sub> Na <sub>2</sub> O <sub>16</sub> P [37399-47-6] <sup>UN</sup>
	
	0.001 g \$ 810

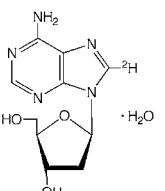
<b>NUC-008</b>	<b>[1'-<sup>13</sup>C]2'-deoxyadenosine monohydrate</b>
MW 270.26	<sup>13</sup> CC <sub>9</sub> H <sub>13</sub> N <sub>5</sub> O <sub>3</sub> ·H <sub>2</sub> O [446276-63-7]
	
	0.05 g \$ 810
	0.1 g \$ 1460

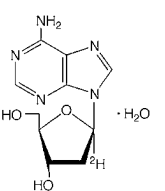
<b>NUC-009</b>	<b>[2'-<sup>13</sup>C]2'-deoxyadenosine monohydrate</b>
MW 270.26	<sup>13</sup> CC <sub>9</sub> H <sub>13</sub> N <sub>5</sub> O <sub>3</sub> ·H <sub>2</sub> O [16373-93-6] <sup>UN</sup>
	
	0.05 g \$ 880
	0.1 g \$ 1560

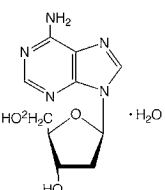
<b>NUC-010</b>	<b>[3'-<sup>13</sup>C]2'-deoxyadenosine monohydrate</b>
MW 270.26	<sup>13</sup> CC <sub>9</sub> H <sub>13</sub> N <sub>5</sub> O <sub>3</sub> ·H <sub>2</sub> O [16373-93-6] <sup>UN</sup>
	
	0.05 g \$ 1460
	0.1 g \$ 2675

<b>NUC-011</b>	<b>[5'-<sup>13</sup>C]2'-deoxyadenosine monohydrate</b>
MW 270.26	<sup>13</sup> CC <sub>9</sub> H <sub>13</sub> N <sub>5</sub> O <sub>3</sub> ·H <sub>2</sub> O [478510-77-9]
	
	0.05 g \$ 1215
	0.1 g \$ 2220

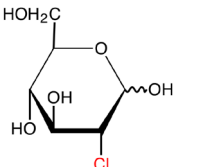
<b>NUC-012</b>	<b>[1',2',3',4',5'-<sup>13</sup>C<sub>5</sub>]2'-deoxyadenosine monohydrate</b>
MW 274.23	<sup>13</sup> C <sub>5</sub> C <sub>5</sub> H <sub>13</sub> N <sub>5</sub> O <sub>3</sub> ·H <sub>2</sub> O [478510-79-1]
	
	0.01 g \$ 370
	0.025 g \$ 730
	0.05 g \$ 1215
	0.1 g \$ 2220

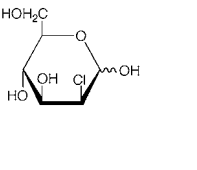
<b>NUC-071</b>	<b>[8-<sup>2</sup>H]2'-deoxyadenosine monohydrate</b>
MW 270.27	C <sub>10</sub> <sup>2</sup> HH <sub>12</sub> N <sub>5</sub> O <sub>3</sub> ·H <sub>2</sub> O [16373-93-6] <sup>UN</sup>
<i>97 atom-% <sup>2</sup>H</i>	
	
	0.05 g \$ 370
	0.1 g \$ 610

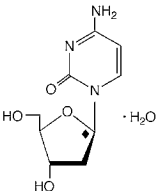
<b>NUC-048</b>	<b>[1'-<sup>2</sup>H]2'-deoxyadenosine monohydrate</b>
MW 270.27	C <sub>10</sub> <sup>2</sup> HH <sub>12</sub> N <sub>5</sub> O <sub>3</sub> ·H <sub>2</sub> O [16373-93-6] <sup>UN</sup>
	
	0.05 g \$ 880
	0.1 g \$ 1560

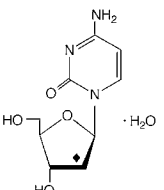
<b>NUC-013</b>	<b>[5',5''-<sup>2</sup>H<sub>2</sub>]2'-deoxyadenosine mono-hydrate</b>
MW 271.28	C <sub>10</sub> <sup>2</sup> H <sub>2</sub> H <sub>11</sub> N <sub>5</sub> O <sub>3</sub> ·H <sub>2</sub> O [478510-81-5]
	
	0.01 g \$ 295
	0.025 g \$ 590
	0.05 g \$ 975
	0.1 g \$ 1760

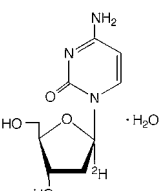
<b>2-deoxy-D-<i>arabino</i>-hexose</b> <i>see</i> 2-deoxy-D-glucose <i>page</i> 41	
<b>3-deoxy-D-<i>arabino</i>-hexose</b> <i>see</i> 3-deoxy-D-mannose <i>page</i> 42	

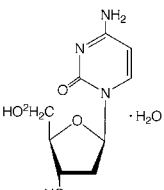
<b>GLC-073</b>	<b>2-deoxy-2-chloro-D-glucose</b> (2-chloro-2-deoxy-D-glucose)
MW 198.60	C <sub>6</sub> H <sub>11</sub> ClO <sub>5</sub> [14685-79-1]
	
	0.01 g \$ 185
	0.025 g \$ 305
	0.05 g \$ 490
	0.1 g \$ 730

<b>MAN-023</b>	<b>2-deoxy-2-chloro-D-mannose</b> (2-chloro-2-deoxy-D-mannose)
MW 198.60	C <sub>6</sub> H <sub>11</sub> ClO <sub>5</sub> [74950-97-3]
	
	0.01 g \$ 105
	0.025 g \$ 175
	0.05 g \$ 280
	0.1 g \$ 420

<b>NUC-014</b>	<b>[1'-<sup>13</sup>C]2'-deoxycytidine monohydrate</b>
MW 246.23	<sup>13</sup> CC <sub>8</sub> H <sub>13</sub> N <sub>3</sub> O <sub>4</sub> ·H <sub>2</sub> O [478510-83-7]
	
	0.05 g \$ 810
	0.1 g \$ 1460

<b>NUC-037</b>	<b>[2'-<sup>13</sup>C]2'-deoxycytidine monohydrate</b>
MW 246.23	<sup>13</sup> CC <sub>8</sub> H <sub>13</sub> N <sub>3</sub> O <sub>4</sub> ·H <sub>2</sub> O [478511-23-8]
	
	0.05 g \$ 880
	0.1 g \$ 1560

<b>NUC-050</b>	<b>[1'-<sup>2</sup>H]2'-deoxycytidine monohydrate</b>
MW 246.24	C <sub>9</sub> <sup>2</sup> HH <sub>12</sub> N <sub>3</sub> O <sub>4</sub> ·H <sub>2</sub> O [951-77-9] <sup>UN</sup>
	
	0.05 g \$ 880
	0.1 g \$ 1560

<b>NUC-038</b>	<b>[5',5''-<sup>2</sup>H<sub>2</sub>]2'-deoxycytidine mono-hydrate</b>
MW 247.25	C <sub>9</sub> <sup>2</sup> H <sub>2</sub> H <sub>11</sub> N <sub>3</sub> O <sub>4</sub> ·H <sub>2</sub> O [478511-25-0]
	
	0.05 g \$ 975
	0.1 g \$ 1760

<b>3-deoxy-D-erythro-hexos-2-ulose</b> <i>see 3-deoxy-D-glucosone page 42</i>
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<b>3-deoxy-3-fluoro-D-dulcitol</b> <i>see 3-deoxy-3-fluoro-D-galactitol page 40</i>
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<b>ALD-040</b>	<b>3-deoxy-3-fluoro-D-galactitol</b> (4-deoxy-4-fluoro-L-galactitol)
MW 184.16	C <sub>6</sub> H <sub>13</sub> FO <sub>5</sub> [864720-85-4]
<i>Supplied as an aqueous solution.</i>	

	0.25 g	\$ 470
	0.5 g	\$ 810
	1 g	\$ 1400

<b>GAL-004</b>	<b>3-deoxy-3-fluoro-D-galactose</b>
MW 182.15	C <sub>6</sub> H <sub>11</sub> FO <sub>5</sub> [52904-86-6]
<i>Supplied as an aqueous solution.</i>	

	0.25 g	\$ 295
	0.5 g	\$ 515
	1 g	\$ 915

<b>ALD-008</b>	<b>3-deoxy-3-fluoro-D-glucitol</b> (4-deoxy-4-fluoro-L-gulitol)
MW 184.16	C <sub>6</sub> H <sub>13</sub> FO <sub>5</sub> [34339-82-7]

	0.1 g	\$ 505
	0.25 g	\$ 1005

<b>GLC-010</b>	<b>2-deoxy-2-fluoro-D-glucose</b> (fludeoxyglucose)
MW 182.15	C <sub>6</sub> H <sub>11</sub> FO <sub>5</sub> [29702-43-0]

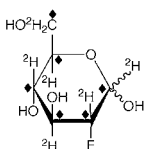
	0.1 g	\$ 225
	0.25 g	\$ 445


<b>GLC-011</b>	<b>2-deoxy-2-fluoro-D-[1-<sup>13</sup>C]glucose</b>
MW 183.14	<sup>13</sup> CC <sub>5</sub> H <sub>11</sub> FO <sub>5</sub> [478518-95-5]

	0.05 g	\$ 785
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<b>GLC-081</b>	<b>2-deoxy-2-fluoro-D-[UL-<sup>13</sup>C<sub>6</sub>]glucose</b>
MW 188.10	<sup>13</sup> C <sub>6</sub> H <sub>11</sub> FO <sub>5</sub> [29702-43-0] <sup>UN</sup>

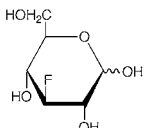
	0.01 g	\$ 280
	0.025 g	\$ 550
	0.05 g	\$ 975
	0.1 g	\$ 1825

<b>GLC-132</b>	<b>2-deoxy-2-fluoro-D-[UL-<sup>13</sup>C<sub>6</sub>;UL-<sup>2</sup>H<sub>7</sub>]glucose</b>		
MW 195.14	<sup>13</sup> C <sub>6</sub> <sup>2</sup> H <sub>7</sub> H <sub>4</sub> FO <sub>5</sub>		[29702-43-0] <sup>UN</sup>
	0.01 g	\$ 335	
	0.025 g	\$ 660	
	0.05 g	\$ 1175	
	0.1 g	\$ 2185	

<b>GLC-139</b>	<b>2-deoxy-2-fluoro-D-glucose-6-phosphate, dipotassium salt</b>
MW 338.31	C <sub>6</sub> H <sub>10</sub> FK <sub>2</sub> O <sub>8</sub> P [441764-08-5]
	0.005 g \$ 250

<b>GLC-138</b>	<b>2-deoxy-2-fluoro-D-[UL-<sup>13</sup>C<sub>6</sub>]glucose-6-phosphate, dipotassium salt</b>
MW 344.26	<sup>13</sup> C <sub>6</sub> H <sub>10</sub> FK <sub>2</sub> O <sub>8</sub> P [441764-08-5] <sup>UN</sup>

	Request Price
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<b>GLC-012</b>		<b>3-deoxy-3-fluoro-D-glucose</b>	
MW 182.15	C <sub>6</sub> H <sub>11</sub> FO <sub>5</sub>	[14049-03-7]	
	0.1	g	\$ 325
	0.25	g	\$ 640
	0.5	g	\$ 1075
	1	g	\$ 1825

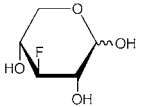
<b>GLC-013</b>	<b>3-deoxy-3-fluoro-D-[1-<sup>13</sup>C]glucose</b>
MW 183.14	<sup>13</sup> CC <sub>5</sub> H <sub>11</sub> FO <sub>5</sub> [478518-97-7]

	0.05 g	\$ 975
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<b>4-deoxy-4-fluoro-L-gulitol</b> <i>see 3-deoxy-3-fluoro-D-glucitol page 40</i>
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<b>MAN-022</b>	<b>2-deoxy-2-fluoro-D-mannose</b>
MW 182.15	C <sub>6</sub> H <sub>11</sub> FO <sub>5</sub> [38440-79-8]
<i>Supplied as an aqueous solution.</i>	

	0.1 g	\$ 540
	0.25 g	\$ 1075

<b>XYL-001</b>		<b>3-deoxy-3-fluoro-D-xylose</b>	
MW 152.12	C <sub>5</sub> H <sub>9</sub> FO <sub>4</sub>	[14537-01-0]	
<i>Supplied as an aqueous solution.</i>			
	0.1	g	\$ 370
	0.25	g	\$ 730
	0.5	g	\$ 1340
	1	g	\$ 2430

<b>6-deoxy-galactonic acid</b> <i>see fuconic acid page 49</i>
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<b>6-deoxy-galactose</b> <i>see fucose page 49</i>
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<b>GLC-055</b>	<b>2-deoxy-D-[1-<sup>13</sup>C]glucose</b> (2-deoxy-D-[1- <sup>13</sup> C]arabino-hexose)
MW 165.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>5</sub> [201612-55-7]

	0.25 g	\$ 830
	0.5 g	\$ 1415
	1 g	\$ 2555

<b>GLC-014</b>	<b>2-deoxy-D-[6-<sup>13</sup>C]glucose</b> (2-deoxy-D-[6- <sup>13</sup> C]arabino-hexose)
MW 165.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>5</sub> [119897-50-6]

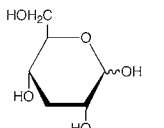
	0.05 g	\$ 265
	0.1 g	\$ 470
	0.25 g	\$ 930
	0.5 g	\$ 1610
	1 g	\$ 2915

<b>GLC-107</b>	<b>2-deoxy-D-[UL-<sup>13</sup>C<sub>6</sub>]glucose</b> (2-deoxy-D-[UL- <sup>13</sup> C <sub>6</sub> ]arabino-hexose)
MW 170.11	<sup>13</sup> C <sub>6</sub> H <sub>12</sub> O <sub>5</sub> [154-17-6] <sup>UN</sup>

	0.05 g	\$ 250
	0.1 g	\$ 445
	0.25 g	\$ 880
	0.5 g	\$ 1510
	1 g	\$ 2750

<b>GLC-062</b>	<b>2-deoxy-D-[1-<sup>2</sup>H]glucose</b> (2-deoxy-D-[1- <sup>2</sup> H]arabino-hexose)
MW 165.16	C <sub>6</sub> <sup>2</sup> HH <sub>11</sub> O <sub>5</sub> [154-17-6] <sup>UN</sup>

	0.05 g	\$ 200
	0.1 g	\$ 325
	0.25 g	\$ 640
	0.5 g	\$ 1075
	1 g	\$ 1825

<b>GLC-133</b>	<b>3-deoxy-D-glucose</b> (3-deoxy-D- <i>ribo</i> -hexose)
MW 164.16	C <sub>6</sub> H <sub>12</sub> O <sub>5</sub> [2490-91-7]
	
	0.1 g \$ 180
	0.25 g \$ 360
	0.5 g \$ 610
	1 g \$ 1105

<b>GLC-141</b>	<b>3-deoxy-D-[UL-<sup>13</sup>C<sub>6</sub>]glucose</b> (3-deoxy-D-[UL- <sup>13</sup> C <sub>6</sub> ]ribo-hexose)
MW 170.11	<sup>13</sup> C <sub>6</sub> H <sub>12</sub> O <sub>5</sub> [2490-91-7] <sup>UN</sup>

	0.05 g	\$ 370
	0.1 g	\$ 675
	0.25 g	\$ 1340

<b>GLC-108</b>	<b>2-deoxy-D-[UL-<sup>13</sup>C<sub>6</sub>]glucose-6-phosphate (free acid)</b>
MW 250.09	<sup>13</sup> C <sub>6</sub> H <sub>13</sub> O <sub>8</sub> P [3573-50-0] <sup>UN</sup>

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<b>GLC-145</b>	<b>2-deoxy-D-glucose-6-phosphate, disodium salt</b>
MW 288.10	C <sub>6</sub> H <sub>11</sub> O <sub>8</sub> Na <sub>2</sub> P

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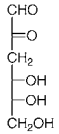
<b>GLC-146</b>	<b>2-deoxy-D-[6-<sup>13</sup>C]glucose-6-phosphate disodium salt</b>
MW 289.09	<sup>13</sup> CC <sub>5</sub> H <sub>11</sub> O <sub>8</sub> Na <sub>2</sub> P

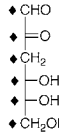
	0.005 g	\$ 555
	0.01 g	\$ 940

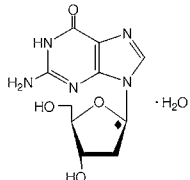
<b>GLC-150</b>	<b>2-deoxy-D-[UL-<sup>13</sup>C<sub>6</sub>]glucose-6-phosphate disodium salt</b>
MW 294.05	<sup>13</sup> C <sub>6</sub> H <sub>11</sub> O <sub>8</sub> Na <sub>2</sub> P

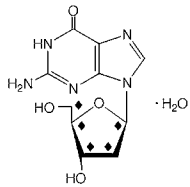
	0.01 g	\$ 810
	0.025 g	\$ 1460
	0.05 g	\$ 2675
	0.1 g	\$ 4855

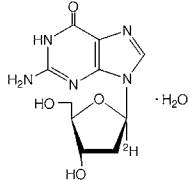


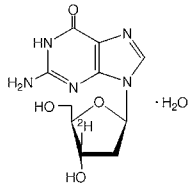
<b>GLC-131</b>	<b>3-deoxy-D-glucosone</b> (3-deoxy-D- <i>erythro</i> -hexos-2-ulose)
MW 162.14	C <sub>6</sub> H <sub>10</sub> O <sub>5</sub> [4084-27-9]
	Request Price

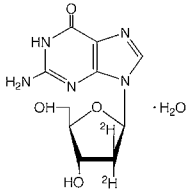
<b>GLC-142</b>	<b>3-deoxy-D-[UL-<sup>13</sup>C<sub>6</sub>]glucosone</b> (3-deoxy-D-[UL- <sup>13</sup> C <sub>6</sub> ] <i>erythro</i> -hexos-2-ulose)
MW 168.09	<sup>13</sup> C <sub>6</sub> H <sub>10</sub> O <sub>5</sub>
	Request Price

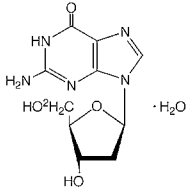
<b>NUC-039</b>	<b>[1'-<sup>13</sup>C]2'-deoxyguanosine monohydrate</b>
MW 286.25	<sup>13</sup> CC <sub>9</sub> H <sub>13</sub> N <sub>5</sub> O <sub>4</sub> ·H <sub>2</sub> O [478511-26-1]
	0.05 g \$ 1825 0.1 g \$ 3400

<b>NUC-062</b>	<b>[1',2',3',4',5'-<sup>13</sup>C<sub>5</sub>]2'-deoxyguanosine monohydrate</b>
MW 290.22	<sup>13</sup> C <sub>5</sub> C <sub>5</sub> H <sub>13</sub> N <sub>5</sub> O <sub>4</sub> ·H <sub>2</sub> O [312693-72-4] <sup>UN</sup>
	0.01 g \$ 675 0.025 g \$ 1400 0.05 g \$ 2675

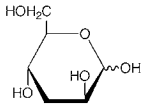
<b>NUC-052</b>	<b>[1'-<sup>2</sup>H]2'-deoxyguanosine monohydrate</b>
MW 286.26	C <sub>10</sub> <sup>2</sup> HH <sub>12</sub> N <sub>5</sub> O <sub>4</sub> ·H <sub>2</sub> O [312693-72-4] <sup>UN</sup>
	0.05 g \$ 1825 0.1 g \$ 3400

<b>NUC-061</b>	<b>[3'-<sup>2</sup>H]2'-deoxyguanosine monohydrate</b>
MW 286.26	C <sub>10</sub> <sup>2</sup> HH <sub>12</sub> N <sub>5</sub> O <sub>4</sub> ·H <sub>2</sub> O [312693-72-4] <sup>UN</sup> 95 atom-% <sup>2</sup> H
	Request Price

<b>NUC-064</b>	<b>[2',2''-<sup>2</sup>H<sub>2</sub>]2'-deoxyguanosine monohydrate</b>
MW 287.27	C <sub>10</sub> <sup>2</sup> H <sub>2</sub> H <sub>11</sub> N <sub>5</sub> O <sub>4</sub> ·H <sub>2</sub> O [312693-72-4] <sup>UN</sup> 93 atom-% <sup>2</sup> H
	0.01 g \$ 1460 0.025 g \$ 2915

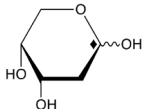
<b>NUC-040</b>	<b>[5',5''-<sup>2</sup>H<sub>2</sub>]2'-deoxyguanosine monohydrate</b>
MW 287.27	C <sub>10</sub> <sup>2</sup> H <sub>2</sub> H <sub>11</sub> N <sub>5</sub> O <sub>4</sub> ·H <sub>2</sub> O [478511-28-3]
	0.05 g \$ 1825 0.1 g \$ 3400

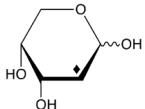
<b>6-deoxy-L-mannonic acid</b>
see rhammonic acid <a href="#">page 10</a>

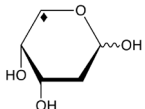
<b>MAN-049</b>	<b>3-deoxy-D-mannose</b> (3-deoxy-D- <i>arabino</i> -hexose)
MW 164.16	C <sub>6</sub> H <sub>12</sub> O <sub>5</sub> [5517-48-6]
	Request Price

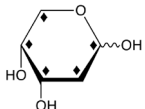
<b>6-deoxy-L-mannose</b>
see rhamnose <a href="#">page 100</a>

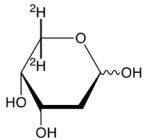
<b>3-deoxy-D-ribo-hexose</b>
see 3-deoxy-D-glucose <a href="#">page 41</a>

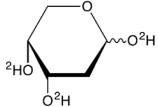
<b>RIB-001</b>	<b>2-deoxy-D-[1-<sup>13</sup>C]ribose</b> (2-deoxy-D-[1- <sup>13</sup> C] <i>erythro</i> -pentose)
MW 135.12	<sup>13</sup> CC <sub>4</sub> H <sub>10</sub> O <sub>4</sub> [478511-57-8]
	0.25 g \$ 730 0.5 g \$ 1340 1 g \$ 2430

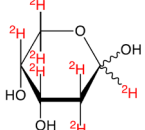
<b>RIB-002</b>	<b>2-deoxy-D-[2-<sup>13</sup>C]ribose</b> (2-deoxy-D-[2- <sup>13</sup> C] <i>erythro</i> -pentose)
MW 135.12	<sup>13</sup> CC <sub>4</sub> H <sub>10</sub> O <sub>4</sub> [478511-60-3]
	0.25 g \$ 730 0.5 g \$ 1340 1 g \$ 2430

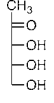
<b>RIB-003</b>	<b>2-deoxy-D-[5-<sup>13</sup>C]ribose</b> (2-deoxy-D-[5- <sup>13</sup> C] <i>erythro</i> -pentose)
MW 135.12	<sup>13</sup> CC <sub>4</sub> H <sub>10</sub> O <sub>4</sub> [159838-86-5]
	0.25 g \$ 1655 0.5 g \$ 2625 1 g \$ 4610

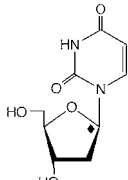
<b>RIB-004</b>	<b>2-deoxy-D-[UL-<sup>13</sup>C<sub>5</sub>]ribose</b> (2-deoxy-D-[UL- <sup>13</sup> C <sub>5</sub> ] <i>erythro</i> -pentose)
MW 139.09	<sup>13</sup> C <sub>5</sub> H <sub>10</sub> O <sub>4</sub> [266998-43-0]
	0.05 g \$ 430 0.1 g \$ 770 0.25 g \$ 1535 0.5 g \$ 2430 1 g \$ 4250

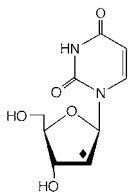
<b>RIB-005</b>	<b>2-deoxy-D-[5,5'-<sup>2</sup>H<sub>2</sub>]ribose</b> (2-deoxy-D-[5,5'- <sup>2</sup> H <sub>2</sub> ] <i>erythro</i> -pentose)
MW 136.14	C <sub>5</sub> <sup>2</sup> H <sub>2</sub> H <sub>8</sub> O <sub>4</sub> [478511-68-1]
	0.05 g \$ 250 0.1 g \$ 395 0.25 g \$ 730 0.5 g \$ 1340 1 g \$ 2430

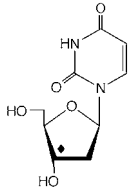
<b>RIB-043</b>	<b>2-deoxy-D-[tri-O-<sup>2</sup>H]ribose</b> (2-deoxy-D-[tri-O- <sup>2</sup> H] <i>erythro</i> -pentose)
MW 137.15	C <sub>5</sub> <sup>2</sup> H <sub>3</sub> H <sub>7</sub> O <sub>4</sub> [533-67-5] <sup>UN</sup>
	0.1 g \$ 250

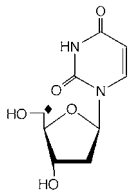
<b>RIB-044</b>	<b>2-deoxy-D-[1,2,2',3,4,5,5'-<sup>2</sup>H<sub>7</sub>]ribose</b> (2-deoxy-D-[1,2,2',3,4,5,5'- <sup>2</sup> H <sub>7</sub> ] <i>erythro</i> -pentose)
MW 141.17	C <sub>5</sub> <sup>2</sup> H <sub>7</sub> H <sub>3</sub> O <sub>4</sub> [533-67-5] <sup>UN</sup>
	Request Price

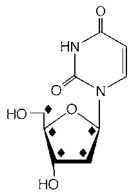
<b>RBU-003</b>	<b>1-deoxy-D-ribulose</b>
MW 134.13	C <sub>5</sub> H <sub>10</sub> O <sub>4</sub>
<i>Supplied as an aqueous solution.</i>	
	
	0.25 g \$ 430
	0.5 g \$ 710
	1 g \$ 1215
<b>6-deoxy-tagatose</b>	
<i>see fucose <a href="#">page 50</a></i>	

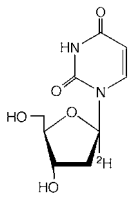
<b>NUC-015</b>	<b>[1'-<sup>13</sup>C]2'-deoxyuridine</b>
MW 229.20	<sup>13</sup> CC <sub>8</sub> H <sub>12</sub> N <sub>2</sub> O <sub>5</sub> [478510-85-9]
	0.05 g \$ 915 0.1 g \$ 1680

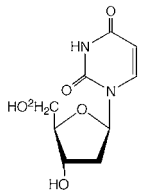
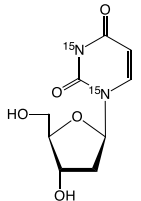

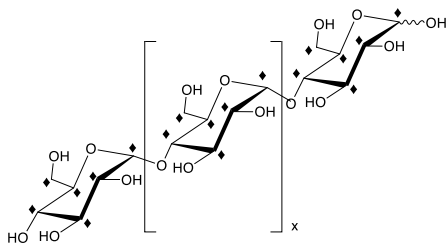
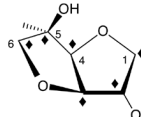
<b>NUC-016</b>	<b>[2'-<sup>13</sup>C]2'-deoxyuridine</b>
MW 229.20	<sup>13</sup> CC <sub>8</sub> H <sub>12</sub> N <sub>2</sub> O <sub>5</sub> [478510-87-1]
	0.05 g \$ 1005 0.1 g \$ 1850


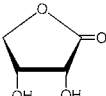
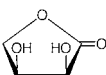
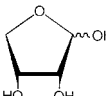
<b>NUC-017</b>	<b>[3'-<sup>13</sup>C]2'-deoxyuridine</b>
MW 229.20	<sup>13</sup> CC <sub>8</sub> H <sub>12</sub> N <sub>2</sub> O <sub>5</sub> [478510-89-3]
	0.05 g \$ 1825 0.1 g \$ 3400

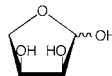
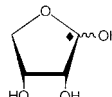
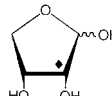
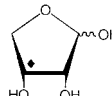
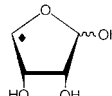
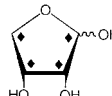
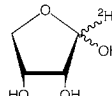
<b>NUC-018</b>	<b>[5'-<sup>13</sup>C]2'-deoxyuridine</b>
MW 229.20	<sup>13</sup> CC <sub>8</sub> H <sub>12</sub> N <sub>2</sub> O <sub>5</sub> [478510-91-7]
	0.05 g \$ 1520 0.1 g \$ 2795

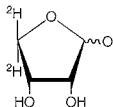


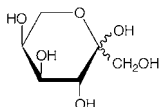
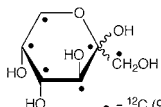
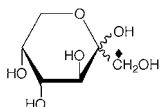
<b>NUC-019</b>	<b>[1',2',3',4',5'-<sup>13</sup>C<sub>5</sub>]2'-deoxyuridine</b>
MW 233.17	<sup>13</sup> C <sub>5</sub> C <sub>4</sub> H <sub>12</sub> N <sub>2</sub> O <sub>5</sub> [478510-94-0]
	0.05 g \$ 1825 0.1 g \$ 3400

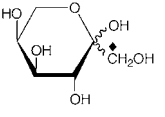
<b>NUC-054</b>	<b>[1'-<sup>2</sup>H]2'-deoxyuridine</b>
MW 229.21	C <sub>9</sub> <sup>2</sup> HH <sub>11</sub> N <sub>2</sub> O <sub>5</sub> [951-78-0] <sup>UN</sup>
	0.05 g \$ 1195 0.1 g \$ 2185

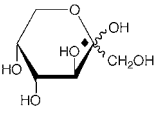
<b>NUC-041</b>	<b>[5',5''-<sup>2</sup>H<sub>2</sub>]2'-deoxyuridine</b>
MW 230.22	C <sub>9</sub> <sup>2</sup> H <sub>2</sub> H <sub>10</sub> N <sub>2</sub> O <sub>5</sub> [478511-30-7]
	0.05 g \$ 1520 0.1 g \$ 2795
<b>NUC-075</b>	<b>[1,3-<sup>15</sup>N<sub>2</sub>]-2'-deoxyuridine</b> (2'-deoxyuridine[1,3- <sup>15</sup> N <sub>2</sub> ])
MW 230.20	C <sub>9</sub> H <sub>12</sub> <sup>15</sup> N <sub>2</sub> O <sub>5</sub> [951-78-0] <sup>UN</sup>
	Request Price
<b>XYU-004</b>	<b>1-deoxy-D-xylulose</b>
MW 134.13	C <sub>5</sub> H <sub>10</sub> O <sub>4</sub> [60299-43-6]
<i>Supplied as an aqueous solution.</i>	
	0.05 g \$ 130 0.1 g \$ 220 0.25 g \$ 430 0.5 g \$ 710 1 g \$ 1215
<b>DEX-001</b>	<b>[UL-<sup>13</sup>C]dextrin</b>
	( <sup>13</sup> C <sub>6</sub> H <sub>10</sub> O <sub>5</sub> ) <sub>x</sub> [9004-53-9] <sup>UN</sup>
<i>MW is variable</i>	
	Request Price
<b>diacetylchitobiose</b> <i>see N-acetylglucosamine oligomers page 22</i>	
<b>ALD-081</b>	<b>1,4:3,6-dianhydro-D-[UL-<sup>13</sup>C<sub>6</sub>]glucitol</b> (1,4:3,6-dianhydro-D-[UL- <sup>13</sup> C <sub>6</sub> ]sorbitol)
MW 152.09	<sup>13</sup> C <sub>6</sub> H <sub>10</sub> O <sub>4</sub> [652-67-5] <sup>UN</sup>
	Request Price
<b>dianhydro-D-sorbitol</b> <i>see dianhydro D-glucitol page 44</i>	

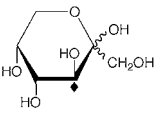
<b>2,3-dihydroxypropanal</b>			
see glyceraldehyde <i>page 69</i>			
<b>dipotassium arabinarate</b>			
see arabinaric acid <i>page 33</i>			
<b>disodium ribarate</b>			
see ribaric acid <i>page 100</i>			
<b>disodium xylarate</b>			
see xylaric acid <i>page 113</i>			
<b>dulcite</b>			
see galactitol <i>page 50</i>			
<b>dulcitol</b>			
see galactitol <i>page 50</i>			
<b>ALD-061</b>			
<b>[UL-<sup>13</sup>C<sub>4</sub>]erythritol</b>			
MW 126.09	<sup>13</sup> C <sub>4</sub> H <sub>10</sub> O <sub>4</sub>	[149-32-6] <sup>UN</sup>	
	0.05 g	\$	490
	0.1 g	\$	915
	0.25 g	\$	1825
<b>erythronic acid lactone</b>			
see erythrono-lactone <i>page 44</i>			
<b>ERY-008</b>			
<b>D-erythrono-1,4-lactone</b>			
(D-erythronic acid γ-lactone)			
MW 118.09	C <sub>4</sub> H <sub>6</sub> O <sub>4</sub>	[15667-21-7]	
	1 g	\$	130
<b>ERY-009</b>			
<b>L-erythrono-1,4-lactone</b>			
(L-erythronic acid γ-lactone)			
MW 118.09	C <sub>4</sub> H <sub>6</sub> O <sub>4</sub>	[23732-40-3]	
	1 g	\$	610
<b>erythro-pent-2-ulose</b>			
see ribulose <i>page 10</i>			
<b>ERY-001</b>			
<b>D-erythrose</b>			
MW 120.11	C <sub>4</sub> H <sub>8</sub> O <sub>4</sub>	[583-50-6]	
<i>Supplied as an aqueous solution.</i>			
	0.5 g	\$	155
	1 g	\$	250

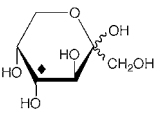
<b>ERY-007</b>	<b>L-erythrose</b>
MW 120.11	C <sub>4</sub> H <sub>8</sub> O <sub>4</sub> [533-49-3]
<i>Supplied as an aqueous solution.</i>	
	0.25 g \$ 155 0.5 g \$ 225 1 g \$ 305
<b>ERY-002</b>	<b>D-[1-<sup>13</sup>C]erythrose</b>
MW 121.10	<sup>13</sup> CC <sub>3</sub> H <sub>8</sub> O <sub>4</sub> [70849-19-3]
<i>Supplied as an aqueous solution.</i>	
	0.25 g \$ 185 0.5 g \$ 305 1 g \$ 550
<b>ERY-003</b>	<b>D-[2-<sup>13</sup>C]erythrose</b>
MW 121.10	<sup>13</sup> CC <sub>3</sub> H <sub>8</sub> O <sub>4</sub> [83434-88-2]
<i>Supplied as an aqueous solution.</i>	
	0.25 g \$ 525 0.5 g \$ 895 1 g \$ 1520
<b>ERY-004</b>	<b>D-[3-<sup>13</sup>C]erythrose</b>
MW 121.10	<sup>13</sup> CC <sub>3</sub> H <sub>8</sub> O <sub>4</sub> [583-50-6] <sup>UN</sup>
<i>Supplied as an aqueous solution.</i>	
	0.25 g \$ 1560 0.5 g \$ 2480 1 g \$ 4130
<b>ERY-005</b>	<b>D-[4-<sup>13</sup>C]erythrose</b>
MW 121.10	<sup>13</sup> CC <sub>3</sub> H <sub>8</sub> O <sub>4</sub> [90913-08-9]
<i>Supplied as an aqueous solution.</i>	
	0.25 g \$ 480 0.5 g \$ 795 1 g \$ 1340
<b>ERY-006</b>	<b>D-[UL-<sup>13</sup>C<sub>4</sub>]erythrose</b>
MW 124.08	<sup>13</sup> C <sub>4</sub> H <sub>8</sub> O <sub>4</sub> [583-50-6] <sup>UN</sup>
<i>Supplied as an aqueous solution.</i>	
	0.25 g \$ 480 0.5 g \$ 795 1 g \$ 1340
<b>ERY-011</b>	<b>D-[1-<sup>2</sup>H]erythrose</b>
MW 121.11	C <sub>4</sub> <sup>2</sup> HH <sub>7</sub> O <sub>4</sub> [583-50-6] <sup>UN</sup>
<i>Supplied as an aqueous solution.</i>	
	Request Price

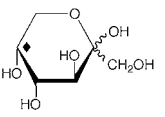
<b>ERY-012</b>	<b>D-[4,4'-<sup>2</sup>H<sub>2</sub>]erythrose</b>
MW 122.12	C <sub>4</sub> <sup>2</sup> H <sub>2</sub> H <sub>6</sub> O <sub>4</sub> [583-50-6] <sup>UN</sup>
<i>Supplied as an aqueous solution.</i>	
	Request Price
<b>ERU-001</b>	<b>D-erythrulose</b> (D-glycero-tetrolulose)
MW 120.10	C <sub>4</sub> H <sub>8</sub> O <sub>4</sub> [496-55-9]
<i>Supplied as an aqueous solution.</i>	
	0.1 g \$ 305 0.25 g \$ 610
<b>ERU-002</b>	<b>L-erythrulose</b> (L-glycero-tetrolulose)
MW 120.10	C <sub>4</sub> H <sub>8</sub> O <sub>4</sub> [533-50-6]
<i>Supplied as an aqueous solution.</i>	
	0.1 g \$ 130 0.25 g \$ 250
<b>fludeoxyglucose</b> <i>see 2-deoxy-2-fluoro-D-glucose page 40</i>	
<b>fluoro-deoxy sugars</b> <i>see deoxy-fluoro sugars beginning on page 40</i>	
<b>β-D-fructofuranosyl α-D-glucopyranoside</b> <i>see sucrose page 10</i>	
<b>FRU-031</b>	<b>L-fructose</b>
MW 180.16	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> [7776-48-9]
	0.5 g \$ 185 1 g \$ 305
<b>FRU-029</b>	<b>D-[UL-<sup>12</sup>C<sub>6</sub>]fructose (<sup>13</sup>C depleted)</b>
MW 180.09	<sup>12</sup> C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> [57-48-7] <sup>UN</sup>
<i>99.9 atom-% <sup>12</sup>C</i>	
	Request Price
<b>FRU-001</b>	<b>D-[1-<sup>13</sup>C]fructose</b>
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [108311-21-3]
	0.25 g \$ 145 0.5 g \$ 225 1 g \$ 395

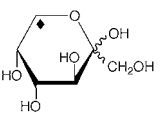
FRU-002	L-[1- <sup>13</sup> C]fructose		
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub>	[7776-48-9] <sup>UN</sup>	
	0.25 g	\$	350
	0.5 g	\$	580
	1 g	\$	975

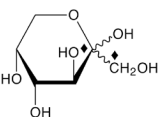
FRU-003	D-[2- <sup>13</sup> C]fructose		
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub>	[117013-19-1]	
	0.25 g	\$	200
	0.5 g	\$	325
	1 g	\$	550

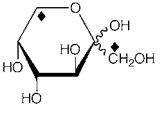
FRU-004	D-[3- <sup>13</sup> C]fructose		
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub>	[249928-59-4]	
	0.25 g	\$	570
	0.5 g	\$	1005
	1 g	\$	1825

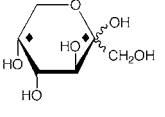
FRU-005	D-[4- <sup>13</sup> C]fructose		
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub>	[84270-09-7]	
	0.25 g	\$	610
	0.5 g	\$	1085
	1 g	\$	1945

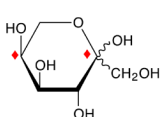
FRU-006	D-[5- <sup>13</sup> C]fructose		
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub>	[635325-97-2]	
	0.25 g	\$	650
	0.5 g	\$	1145
	1 g	\$	2065

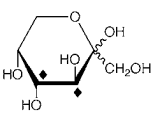
FRU-007	D-[6- <sup>13</sup> C]fructose		
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub>	[287100-63-4]	
	0.1 g	\$	225
	0.25 g	\$	395
	0.5 g	\$	690
	1 g	\$	1215

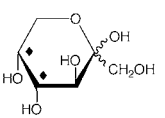
FRU-037	D-[1,2- <sup>13</sup> C <sub>2</sub> ]fructose		
MW 182.14	<sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>12</sub> O <sub>6</sub>	[57-48-7] <sup>UN</sup>	
	0.1 g	\$	225
	0.25 g	\$	395
	0.5 g	\$	690
	1 g	\$	1215

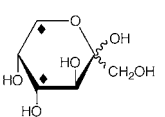
FRU-008	D-[1,6- <sup>13</sup> C <sub>2</sub> ]fructose		
MW 182.14	<sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>12</sub> O <sub>6</sub>	[287100-71-4]	
	0.1 g	\$	370
	0.25 g	\$	650
	0.5 g	\$	1125
	1 g	\$	1945

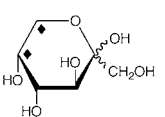
FRU-009	D-[2,5- <sup>13</sup> C <sub>2</sub> ]fructose		
MW 182.14	<sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>12</sub> O <sub>6</sub>	[141258-84-6]	
	0.05 g	\$	295
	0.1 g	\$	490
	0.25 g	\$	905
	0.5 g	\$	1610
	1 g	\$	2915

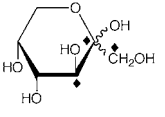
FRU-047	L[2,5- <sup>13</sup> C <sub>2</sub> ]-fructose		
MW 182.14	<sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>12</sub> O <sub>6</sub>	[7776-48-9] <sup>UN</sup>	
	Request Price		
♦ = <sup>13</sup> C			

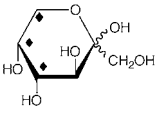
FRU-038	D-[3,4- <sup>13</sup> C <sub>2</sub> ]fructose		
MW 182.14	<sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>12</sub> O <sub>6</sub>	[57-48-7] <sup>UN</sup>	
	0.1 g	\$	550

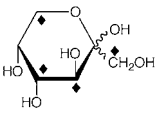
FRU-034	D-[4,5- <sup>13</sup> C <sub>2</sub> ]fructose		
MW 182.14	<sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>12</sub> O <sub>6</sub>	[57-48-7] <sup>UN</sup>	
	0.1 g	\$	470
	0.25 g	\$	930

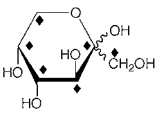
FRU-021	D-[4,6- <sup>13</sup> C <sub>2</sub> ]fructose		
MW 182.14	<sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>12</sub> O <sub>6</sub>	[57-48-7] <sup>UN</sup>	
	0.1 g	\$	1175
	0.25 g	\$	2795

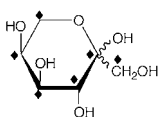
FRU-022	D-[5,6- <sup>13</sup> C <sub>2</sub> ]fructose		
MW 182.14	<sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>12</sub> O <sub>6</sub>	[57-48-7] <sup>UN</sup>	
	0.25 g	\$	905
	0.5 g	\$	1610
	1 g	\$	2915

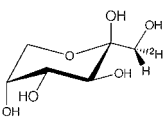
FRU-027	D-[1,2,3- <sup>13</sup> C <sub>3</sub> ]fructose		
MW 183.13	<sup>13</sup> C <sub>3</sub> C <sub>3</sub> H <sub>12</sub> O <sub>6</sub>	[57-48-7] <sup>UN</sup>	
	0.25 g	\$	695
	0.5 g	\$	1195
	1 g	\$	2065

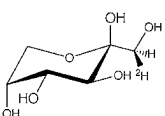
FRU-023	D-[4,5,6- <sup>13</sup> C <sub>3</sub> ]fructose		
MW 183.13	<sup>13</sup> C <sub>3</sub> C <sub>3</sub> H <sub>12</sub> O <sub>6</sub>	[57-48-7] <sup>UN</sup>	
	0.1 g	\$	470
	0.25 g	\$	930

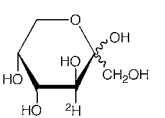
FRU-010	D-[1,3,4,6- <sup>13</sup> C <sub>4</sub> ]fructose		
MW 184.13	<sup>13</sup> C <sub>4</sub> C <sub>2</sub> H <sub>12</sub> O <sub>6</sub>	[57-48-7] <sup>UN</sup>	
	1 g	\$	3520

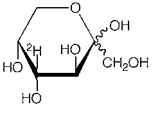
FRU-011	D-[UL- <sup>13</sup> C <sub>6</sub> ]fructose		
MW 186.11	<sup>13</sup> C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	[201595-65-5]	
	0.25 g	\$	200
	0.5 g	\$	325
	1 g	\$	550

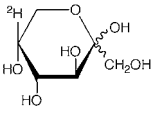
FRU-040		L-[UL- <sup>13</sup> C <sub>6</sub> ]fructose	
MW 186.11	<sup>13</sup> C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	[7776-48-9] <sup>UN</sup>	
		Request Price	

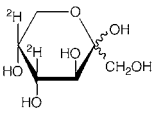
FRU-030	D-[1-pro-R- <sup>2</sup> H]fructose		
MW 181.17	C <sub>6</sub> <sup>2</sup> HH <sub>11</sub> O <sub>6</sub>	[57-48-7] <sup>UN</sup>	
	0.25 g	\$	250
	0.5 g	\$	445
	1 g	\$	730

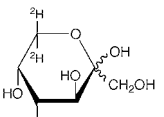
FRU-012	D-[1-pro-S- <sup>2</sup> H]fructose		
MW 181.17	C <sub>6</sub> <sup>2</sup> HH <sub>11</sub> O <sub>6</sub>	[57-48-7] <sup>UN</sup>	
	0.25 g	\$	90
	0.5 g	\$	145
	1 g	\$	240

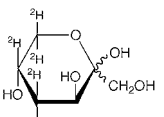
FRU-013	D-[3- <sup>2</sup> H]fructose		
MW 181.17	C <sub>6</sub> <sup>2</sup> HH <sub>11</sub> O <sub>6</sub>	[53685-24-8]	
	0.25 g	\$	650
	0.5 g	\$	1145
	1 g	\$	2065

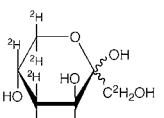
FRU-014	D-[4- <sup>2</sup> H]fructose		
MW 181.17	C <sub>6</sub> <sup>2</sup> HH <sub>11</sub> O <sub>6</sub>	[57-48-7] <sup>UN</sup>	
	0.25 g	\$	830
	0.5 g	\$	1415
	1 g	\$	2555

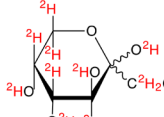
FRU-015	D-[5- <sup>2</sup> H]fructose		
MW 181.17	C <sub>6</sub> <sup>2</sup> HH <sub>11</sub> O <sub>6</sub>	[57-48-7] <sup>UN</sup>	
	0.25 g	\$	295
	0.5 g	\$	540
	1 g	\$	975

FRU-024	D-[4,5- <sup>2</sup> H <sub>2</sub> ]fructose		
MW 182.17	C <sub>6</sub> <sup>2</sup> H <sub>2</sub> H <sub>10</sub> O <sub>6</sub>	[478518-48-8]	
	0.25 g	\$	660
	0.5 g	\$	1095
	1 g	\$	1825

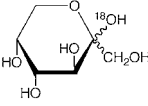
FRU-016	D-[6,6'- <sup>2</sup> H <sub>2</sub> ]fructose		
MW 182.17	C <sub>6</sub> <sup>2</sup> H <sub>2</sub> H <sub>10</sub> O <sub>6</sub>	[285979-75-1]	
	0.25 g	\$	170
	0.5 g	\$	285
	1 g	\$	490

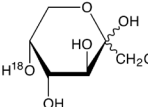
FRU-025	D-[4,5,6,6'- <sup>2</sup> H <sub>4</sub> ]fructose		
MW 184.18	C <sub>6</sub> <sup>2</sup> H <sub>4</sub> H <sub>8</sub> O <sub>6</sub>	[478518-49-9]	
	0.25 g	\$	830
	0.5 g	\$	1415
	1 g	\$	2555

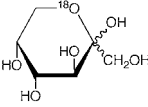
FRU-026	D-[UL- <sup>2</sup> H <sub>7</sub> ]fructose		
MW 187.20	C <sub>6</sub> <sup>2</sup> H <sub>7</sub> H <sub>5</sub> O <sub>6</sub>	[57-48-7] <sup>UN</sup>	
	0.05 g	\$	130
	0.1 g	\$	175
	0.25 g	\$	350
	0.5 g	\$	640
	1 g	\$	1175

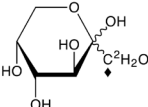
FRU-046	D-[UL- <sup>2</sup> H <sub>12</sub> ]fructose (D-[ <sup>2</sup> H <sub>12</sub> ]fructose)		
MW 192.23	C <sub>6</sub> <sup>2</sup> H <sub>12</sub> O <sub>6</sub>	[57-48-7] <sup>UN</sup>	
		Request Price	

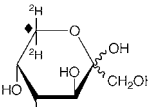


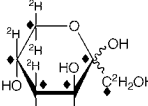
<b>FRU-042</b>	<b>D-[2-<sup>18</sup>O]fructose</b>
MW 182.16 >90 atom-% <sup>18</sup> O	C <sub>6</sub> H <sub>12</sub> <sup>18</sup> OO <sub>5</sub> [57-48-7] <sup>UN</sup>
	Request Price

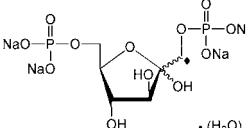
<b>FRU-045</b>	<b>D-[5-<sup>18</sup>O]fructose</b>
MW 182.16 >90 atom-% <sup>18</sup> O	C <sub>6</sub> H <sub>12</sub> <sup>18</sup> OO <sub>5</sub> [57-48-7] <sup>UN</sup>
	0.1 g \$ 730

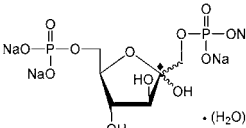
<b>FRU-043</b>	<b>D-[6-<sup>18</sup>O]fructose</b>
MW 182.16 >90 atom-% <sup>18</sup> O	C <sub>6</sub> H <sub>12</sub> <sup>18</sup> OO <sub>5</sub> [57-48-7] <sup>UN</sup>
	0.05 g \$ 730

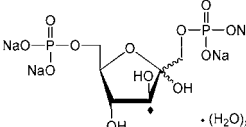
<b>FRU-044</b>	<b>D-[1-<sup>13</sup>C;1,1'-<sup>2</sup>H<sub>2</sub>]fructose</b>
MW 183.16	<sup>13</sup> CC <sub>5</sub> <sup>2</sup> H <sub>2</sub> H <sub>10</sub> O <sub>6</sub> [57-48-7] <sup>UN</sup>
	0.1 g \$ 1215

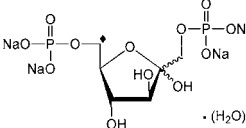
<b>FRU-039</b>	<b>D-[6-<sup>13</sup>C;6,6'-<sup>2</sup>H<sub>2</sub>]fructose</b>
MW 183.16	<sup>13</sup> CC <sub>5</sub> <sup>2</sup> H <sub>2</sub> H <sub>10</sub> O <sub>6</sub> [57-48-7] <sup>UN</sup>
	0.05 g \$ 175 0.1 g \$ 275 0.25 g \$ 525 0.5 g \$ 880 1 g \$ 1460

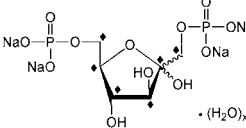
<b>FRU-041</b>	<b>D-[UL-<sup>13</sup>C<sub>6</sub>;UL-<sup>2</sup>H<sub>7</sub>]fructose</b> (D-[UL- <sup>13</sup> C <sub>6</sub> ;1,1',3,4,5,6,6'- <sup>2</sup> H <sub>7</sub> ]fructose)
MW 193.15 99 atom-% <sup>13</sup> C; 97 atom-% <sup>2</sup> H	<sup>13</sup> C <sub>6</sub> <sup>2</sup> H <sub>7</sub> H <sub>5</sub> O <sub>6</sub> [57-48-7] <sup>UN</sup>
	0.1 g \$ 185 0.25 g \$ 370 0.5 g \$ 690 1 g \$ 1295

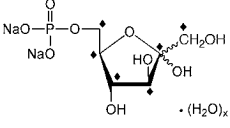
<b>FRU-017</b>	<b>D-[1-<sup>13</sup>C]fructose 1,6-bisphosphate, sodium salt</b>
MW 429.03 <i>MW is on anhydrous basis.</i>	<sup>13</sup> CC <sub>5</sub> H <sub>10</sub> Na <sub>4</sub> O <sub>12</sub> P <sub>2</sub> ·(H <sub>2</sub> O) <sub>x</sub> [23784-19-2] <sup>UN</sup>
	0.05 g \$ 155 0.1 g \$ 225 0.25 g \$ 445

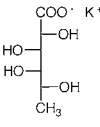
<b>FRU-018</b>	<b>D-[2-<sup>13</sup>C]fructose 1,6-bisphosphate, sodium salt</b>
MW 429.03 <i>MW is on anhydrous basis.</i>	<sup>13</sup> CC <sub>5</sub> H <sub>10</sub> Na <sub>4</sub> O <sub>12</sub> P <sub>2</sub> ·(H <sub>2</sub> O) <sub>x</sub> [23784-19-2] <sup>UN</sup>
	0.05 g \$ 185 0.1 g \$ 275 0.25 g \$ 540

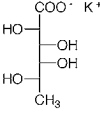
<b>FRU-019</b>	<b>D-[3-<sup>13</sup>C]fructose 1,6-bisphosphate, sodium salt</b>
MW 429.03 <i>MW is on anhydrous basis.</i>	<sup>13</sup> CC <sub>5</sub> H <sub>10</sub> Na <sub>4</sub> O <sub>12</sub> P <sub>2</sub> ·(H <sub>2</sub> O) <sub>x</sub> [23784-19-2] <sup>UN</sup>
	Request Price

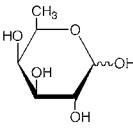
<b>FRU-020</b>	<b>D-[6-<sup>13</sup>C]fructose 1,6-bisphosphate, sodium salt</b>
MW 429.03 <i>MW is on anhydrous basis.</i>	<sup>13</sup> CC <sub>5</sub> H <sub>10</sub> Na <sub>4</sub> O <sub>12</sub> P <sub>2</sub> ·(H <sub>2</sub> O) <sub>x</sub> [23784-19-2] <sup>UN</sup>
	0.05 g \$ 200 0.1 g \$ 295 0.25 g \$ 590

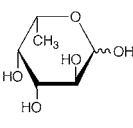
<b>FRU-028</b>	<b>D-[UL-<sup>13</sup>C<sub>6</sub>]fructose 1,6-bisphosphate, sodium salt</b>
MW 433.99 <i>MW is on anhydrous basis.</i>	<sup>13</sup> C <sub>6</sub> H <sub>10</sub> Na <sub>4</sub> O <sub>12</sub> P <sub>2</sub> ·(H <sub>2</sub> O) <sub>x</sub> [23784-19-2] <sup>UN</sup>
	0.05 g \$ 305 0.1 g \$ 520 0.25 g \$ 1035

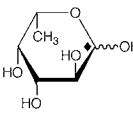
<b>FRU-035</b>	<b>D-[UL-<sup>13</sup>C<sub>6</sub>]fructose 6-phosphate, disodium salt, hydrate</b>
MW 310.05 <i>MW is on anhydrous basis.</i>	<sup>13</sup> C <sub>6</sub> H <sub>11</sub> Na <sub>2</sub> O <sub>9</sub> P·(H <sub>2</sub> O) <sub>x</sub> [26177-86-6] <sup>UN</sup>
	0.05 g \$ 250 0.1 g \$ 430 0.25 g \$ 730

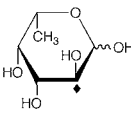
<b>FUC-009</b>	<b>D-fuconic acid, potassium salt</b> (Potassium D-fuconate)
MW 218.25	C <sub>6</sub> H <sub>11</sub> KO <sub>6</sub>
	Request Price

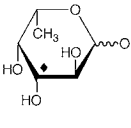
<b>FUC-010</b>	<b>L-fuconic acid, potassium salt</b> (Potassium L-fuconate)
MW 218.25	C <sub>6</sub> H <sub>11</sub> KO <sub>6</sub>
	Request Price

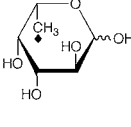
<b>FUC-007</b>	<b>D-fucose</b> (6-deoxy-D-galactose)
MW 164.16	C <sub>6</sub> H <sub>12</sub> O <sub>5</sub> [3615-37-0]
	1 g \$ 130

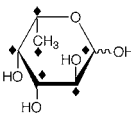
<b>FUC-008</b>	<b>L-fucose</b> (6-deoxy-L-galactose)
MW 164.16	C <sub>6</sub> H <sub>12</sub> O <sub>5</sub> [2438-80-4]
	1 g \$ 80

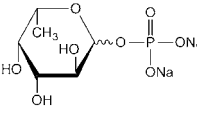
<b>FUC-001</b>	<b>L-[1-<sup>13</sup>C]fucose</b> (6-deoxy-L-[1- <sup>13</sup> C]galactose)
MW 165.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>5</sub> [83379-38-8]
	0.25 g \$ 430 0.5 g \$ 760 1 g \$ 1340

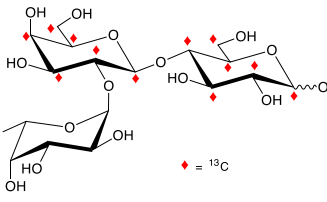
<b>FUC-002</b>	<b>L-[2-<sup>13</sup>C]fucose</b> (6-deoxy-L-[2- <sup>13</sup> C]galactose)
MW 165.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>5</sub> [83379-37-7]
	0.05 g \$ 265 0.1 g \$ 470 0.25 g \$ 930 0.5 g \$ 1610 1 g \$ 2915

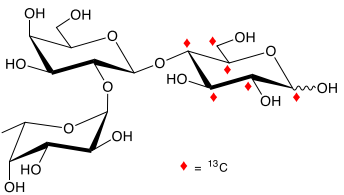
<b>FUC-003</b>	<b>L-[3-<sup>13</sup>C]fucose</b> (6-deoxy-L-[3- <sup>13</sup> C]galactose)
MW 165.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>5</sub> [478518-50-2]
	0.25 g \$ 1945 0.5 g \$ 3705 1 g \$ 7035

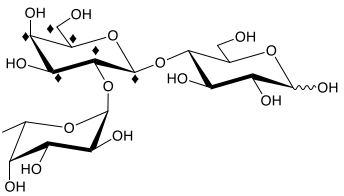
<b>FUC-004</b>	<b>L-[6-<sup>13</sup>C]fucose</b> (6-deoxy-L-[6- <sup>13</sup> C]galactose)
MW 165.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>5</sub> [478518-51-3]
	0.01 g \$ 185 0.025 g \$ 305 0.05 g \$ 490

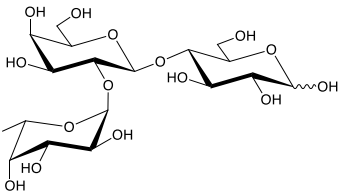
<b>FUC-005</b>	<b>L-[UL-<sup>13</sup>C<sub>6</sub>]fucose</b> (6-deoxy-L-[UL- <sup>13</sup> C <sub>6</sub> ]galactose)
MW 170.11	<sup>13</sup> C <sub>6</sub> H <sub>12</sub> O <sub>5</sub> [478518-52-4]
	0.01 g \$ 915 0.025 g \$ 1825 0.05 g \$ 3400

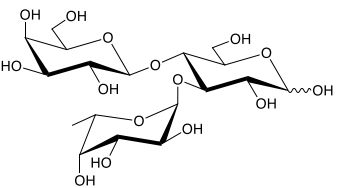
<b>FUC-011</b>	<b>L-fucose-1-phosphate (disodium salt)</b> (6-deoxy-L-galactose-1-phosphate disodium salt)
MW 288.10	C <sub>6</sub> H <sub>11</sub> Na <sub>2</sub> O <sub>8</sub> P [374726-44-0]
	0.005 g \$ 250 0.01 g \$ 430

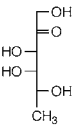
<b>TRI-044</b>	<b>2'-fucosyl-[[U-<sup>13</sup>C<sub>6</sub>gal; U-<sup>13</sup>C<sub>6</sub>glc]] lactose</b>
MW 500.34	<sup>13</sup> C <sub>12</sub> C <sub>6</sub> H <sub>32</sub> O <sub>15</sub>
	Request Price

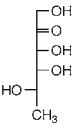
<b>TRI-043</b>	<b>2'-fucosyl-[U-<sup>13</sup>C<sub>6</sub><sup>glc</sup>]lactose</b>
MW 494.39	<sup>13</sup> C <sub>6</sub> C <sub>12</sub> H <sub>32</sub> O <sub>15</sub>
	Request Price

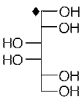
<b>TRI-042</b>	<b>2'-fucosyl-[U-<sup>13</sup>C<sub>6</sub><sup>gal</sup>]lactose</b>
MW 494.39	<sup>13</sup> C <sub>6</sub> C <sub>12</sub> H <sub>32</sub> O <sub>15</sub>
	Request Price

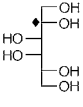
<b>TRI-028</b>	<b>2'-fucosyl-lactose</b> (α-L-Fuc-(1→2)-β-D-Gal-(1→4)-D-Glc)
MW 488.44	C <sub>18</sub> H <sub>32</sub> O <sub>15</sub> [41263-94-9]
	Request Price

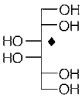
<b>TRI-029</b>	<b>3-fucosyl-lactose</b> (β-D-Gal(1→4)-[α-L-Fuc-(1→3)]-D-Glc)
MW 488.44	C <sub>18</sub> H <sub>32</sub> O <sub>15</sub> [41312-47-4]
	Request Price

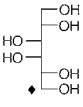
<b>FUL-001</b>	<b>D-fucose</b> (6-deoxy-D-tagatose)
MW 164.16	C <sub>6</sub> H <sub>12</sub> O <sub>5</sub> [18546-17-3]
<i>Supplied as an aqueous solution.</i>	
	0.05 g \$ 1215

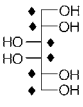
<b>FUL-002</b>	<b>L-fucose</b> (6-deoxy-L-tagatose)
MW 164.16	C <sub>6</sub> H <sub>12</sub> O <sub>5</sub> [13074-08-3]
<i>Supplied as an aqueous solution.</i>	
	0.05 g \$ 610 0.1 g \$ 1155

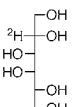
<b>ALD-009</b>	<b>D-[1-<sup>13</sup>C]galactitol</b> (D-[1- <sup>13</sup> C]dulcitol)
MW 183.16	<sup>13</sup> CC <sub>5</sub> H <sub>14</sub> O <sub>6</sub> [608-66-2] <sup>UN</sup>
	0.25 g \$ 285 0.5 g \$ 490 1 g \$ 855

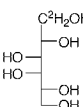
<b>ALD-010</b>	<b>D-[2-<sup>13</sup>C]galactitol</b> (D-[2- <sup>13</sup> C]dulcitol)
MW 183.16	<sup>13</sup> CC <sub>5</sub> H <sub>14</sub> O <sub>6</sub> [608-66-2] <sup>UN</sup>
	0.25 g \$ 360 0.5 g \$ 610 1 g \$ 1035

<b>ALD-011</b>	<b>D-[3-<sup>13</sup>C]galactitol</b> (D-[3- <sup>13</sup> C]dulcitol)
MW 183.16	<sup>13</sup> CC <sub>5</sub> H <sub>14</sub> O <sub>6</sub> [608-66-2] <sup>UN</sup>
	0.25 g \$ 830 0.5 g \$ 1340 1 g \$ 2250

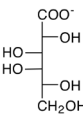
<b>ALD-012</b>	<b>D-[6-<sup>13</sup>C]galactitol</b> (D-[6- <sup>13</sup> C]dulcitol)
MW 183.16	<sup>13</sup> CC <sub>5</sub> H <sub>14</sub> O <sub>6</sub> [608-66-2] <sup>UN</sup>
	0.25 g \$ 915 0.5 g \$ 1460 1 g \$ 2430

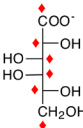
<b>ALD-041</b>	<b>[UL-<sup>13</sup>C<sub>6</sub>]galactitol</b> ([UL- <sup>13</sup> C <sub>6</sub> ]dulcitol)
MW 188.12	<sup>13</sup> C <sub>6</sub> H <sub>14</sub> O <sub>6</sub> [608-66-2] <sup>UN</sup>
	0.05 g \$ 175 0.1 g \$ 295 0.25 g \$ 590

<b>ALD-072</b>	<b>D-[2-<sup>2</sup>H]galactitol</b> (D-[2- <sup>2</sup> H]dulcitol)
MW 183.18	C <sub>6</sub> <sup>2</sup> HH <sub>13</sub> O <sub>6</sub> [608-66-2] <sup>UN</sup>
	0.25 g \$ 250 0.5 g \$ 415 1 g \$ 730

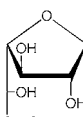
<b>ALD-013</b>	<b>D-[1,1'-<sup>2</sup>H<sub>2</sub>]galactitol</b> (D-[1,1'- <sup>2</sup> H <sub>2</sub> ]dulcitol)
MW 184.18	C <sub>6</sub> <sup>2</sup> H <sub>2</sub> H <sub>12</sub> O <sub>6</sub> [608-66-2] <sup>UN</sup>
	0.25 g \$ 95 0.5 g \$ 155 1 g \$ 265

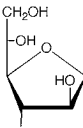
<b>galacto-N-biose</b> <i>see Gal-GalNAc page 54</i>
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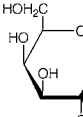
<b>GAL-051</b>	<b>D-galactonic acid, sodium salt</b> (D-galactonate, sodium salt)
MW 218.14	C <sub>6</sub> H <sub>11</sub> NaO <sub>7</sub>
	0.1 g \$ 170

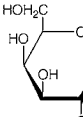
<b>gal-052</b>	<b>D-[UL-<sup>13</sup>C<sub>6</sub>]galactonic acid, sodium salt</b> (D-galactonate[UL- <sup>13</sup> C <sub>6</sub> ], sodium salt)
MW 224.09	<sup>13</sup> C <sub>6</sub> H <sub>11</sub> NaO <sub>7</sub>
	Request Price

<b>galactonic acid lactone</b> <i>see galactono-lactone page 51</i>
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<b>GAL-040</b>	<b>D-galactono-1,4-lactone</b> (D-galactonic acid γ-lactone)
MW 178.14	C <sub>6</sub> H <sub>10</sub> O <sub>6</sub> [2782-07-2]
	1 g \$ 250

<b>GAL-041</b>	<b>L-galactono-1,4-lactone</b> (L-galactonic acid γ-lactone)
MW 178.14	C <sub>6</sub> H <sub>10</sub> O <sub>6</sub> [1668-08-2]
	1 g \$ 250

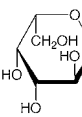
<b>GAL-036</b>	<b>α-D-galactopyranose</b>
MW 180.16	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> [3646-73-9]
	0.25 g \$ 250 0.5 g \$ 415 1 g \$ 730

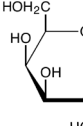
<b>GAL-037</b>	<b>β-D-galactopyranose</b>
MW 180.16	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> [7296-64-2]
	0.25 g \$ 445 0.5 g \$ 730 1 g \$ 1215

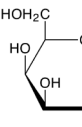
<b>4-O-β-D-galactopyranosyl-D-fructose</b> <i>see lactulose page 77</i>
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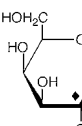
<b>4-O-β-D-galactopyranosyl-D-glucose</b> <i>see lactose page 76</i>
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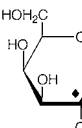
<b>4-O-β-D-galactopyranosyl-D-mannose</b> <i>see Gal-Man page 58</i>
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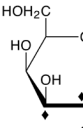
<b>GAL-038</b>	<b>α-L-galactopyranosyl 1-phosphate (dipotassium salt)</b>
MW 336.31	C <sub>6</sub> H <sub>11</sub> K <sub>2</sub> O <sub>9</sub> P
	0.05 g \$ 610 0.1 g \$ 975 0.25 g \$ 1945

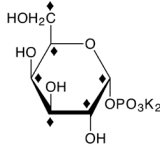
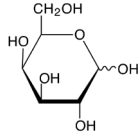
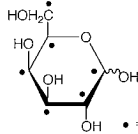
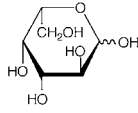
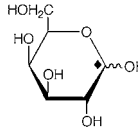
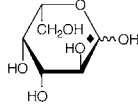
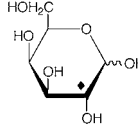
<b>GAL-059</b>	<b>α-D-galactopyranosyl 1-phosphate dipotassium salt hydrate</b> (α-D-galactose 1-phosphate dipotassium salt hydrate)
MW 336.31	C <sub>6</sub> H <sub>11</sub> K <sub>2</sub> O <sub>9</sub> P·(H <sub>2</sub> O) <sub>x</sub> [19046-60-7]
<i>MW: 336.32 (anhydrous basis)</i>	
	Request Price

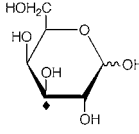
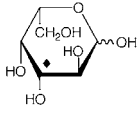
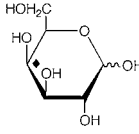
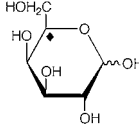
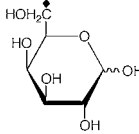
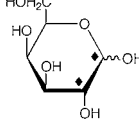
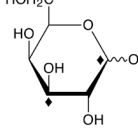
<b>GAL-022</b>	<b>α-D-[1-<sup>13</sup>C]galactopyranosyl 1-phosphate (dipotassium salt)</b>
MW 337.29	<sup>13</sup> CC <sub>5</sub> H <sub>11</sub> K <sub>2</sub> O <sub>9</sub> P [478518-78-4]
	0.05 g \$ 335 0.1 g \$ 580 0.25 g \$ 1145

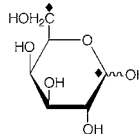
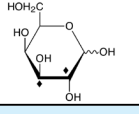
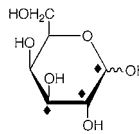
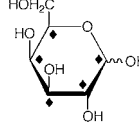
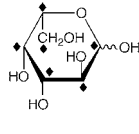
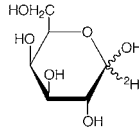
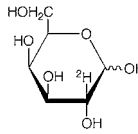
<b>GAL-023</b>	<b>α-D-[2-<sup>13</sup>C]galactopyranosyl 1-phosphate (dipotassium salt)</b>
MW 337.29	<sup>13</sup> CC <sub>5</sub> H <sub>11</sub> K <sub>2</sub> O <sub>9</sub> P [478518-80-8]
	0.05 g \$ 370 0.1 g \$ 650 0.25 g \$ 1295

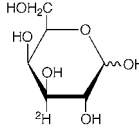
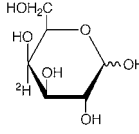
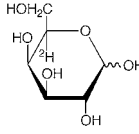
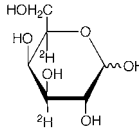
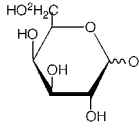
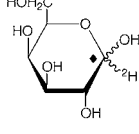
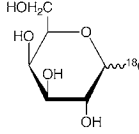
<b>GAL-028</b>	<b>α-D-[1,2-<sup>13</sup>C<sub>2</sub>]galactopyranosyl 1-phosphate (dipotassium salt)</b>
MW 338.28	<sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>11</sub> K <sub>2</sub> O <sub>9</sub> P [19046-60-7] <sup>UN</sup>
	0.05 g \$ 430 0.1 g \$ 760 0.25 g \$ 1510

<b>GAL-046</b>	<b>α-D-[1,2,3-<sup>13</sup>C<sub>3</sub>]galactopyranosyl 1-phosphate (dipotassium salt)</b>
MW 339.29	<sup>13</sup> C <sub>3</sub> C <sub>3</sub> H <sub>11</sub> K <sub>2</sub> O <sub>9</sub> P [19046-60-7] <sup>UN</sup>
	0.01 g \$ 250 0.025 g \$ 490 0.05 g \$ 880

GAL-039     α-D-[UL- <sup>13</sup> C <sub>6</sub> ]galactopyranosyl 1-phosphate (dipotassium salt)	
MW 342.27 <sup>13</sup> C <sub>6</sub> H <sub>11</sub> K <sub>2</sub> O <sub>9</sub> P     [19046-60-7] <sup>UN</sup>	
	0.05 g   \$ 550 0.1 g   \$ 975 0.25 g   \$ 1945
galactosamine <i>see 2-amino-2-deoxy-D-galactose page 31</i>	
GAL-112     D-galactose	
MW 180.16     C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> [59-23-4]	
	Request Price
GAL-030     D-[UL- <sup>12</sup> C <sub>6</sub> ]galactose ( <sup>13</sup> C depleted)	
MW 180.09 <sup>12</sup> C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> [59-23-4] <sup>UN</sup> <i>99.9 atom-% <sup>12</sup>C</i>	
	Request Price
GAL-027     L-galactose	
MW 180.16     C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> [15572-79-9]	
	0.25 g   \$ 115 0.5 g   \$ 170 1 g   \$ 280
GAL-005     D-[1- <sup>13</sup> C]galactose	
MW 181.15 <sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [70849-30-8]	
	0.25 g   \$ 115 0.5 g   \$ 165 1 g   \$ 275
GAL-034     L-[1- <sup>13</sup> C]galactose	
MW 181.15 <sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [15572-79-9] <sup>UN</sup>	
	Request Price
GAL-006     D-[2- <sup>13</sup> C]galactose	
MW 181.15 <sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [314062-47-0]	
	0.1 g   \$ 155 0.25 g   \$ 275 0.5 g   \$ 460 1 g   \$ 760

GAL-007     D-[3- <sup>13</sup> C]galactose	
MW 181.15 <sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [478518-56-8]	
	0.1 g   \$ 295 0.25 g   \$ 580 0.5 g   \$ 1015 1 g   \$ 1825
GAL-042     L-[3- <sup>13</sup> C]galactose	
MW 181.15 <sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [15572-79-9] <sup>UN</sup>	
	0.1 g   \$ 370
GAL-008     D-[4- <sup>13</sup> C]galactose	
MW 181.15 <sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [478518-58-0]	
	0.1 g   \$ 590 0.25 g   \$ 1185 0.5 g   \$ 2250 1 g   \$ 4250
GAL-009     D-[5- <sup>13</sup> C]galactose	
MW 181.15 <sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [478518-60-4]	
	0.1 g   \$ 610 0.25 g   \$ 1245 0.5 g   \$ 2370 1 g   \$ 4490
GAL-010     D-[6- <sup>13</sup> C]galactose	
MW 181.15 <sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [478518-62-6]	
	0.1 g   \$ 305 0.25 g   \$ 610 0.5 g   \$ 1095 1 g   \$ 2010
GAL-011     D-[1,2- <sup>13</sup> C <sub>2</sub> ]galactose	
MW 182.14 <sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>12</sub> O <sub>6</sub> [478518-63-7]	
	0.1 g   \$ 185 0.25 g   \$ 360 0.5 g   \$ 610 1 g   \$ 1095
GAL-049     D-[1,3- <sup>13</sup> C <sub>2</sub> ]galactose	
MW 182.14 <sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>12</sub> O <sub>6</sub> [59-23-4] <sup>UN</sup>	
	0.1 g   \$ 555

GAL-012     D-[1,6- <sup>13</sup> C <sub>2</sub> ]galactose	
MW 182.14 <sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>12</sub> O <sub>6</sub> [478518-64-8]	
	0.25 g   \$ 720 0.5 g   \$ 1305 1 g   \$ 2370
GAL-053     D-[2,3- <sup>13</sup> C <sub>2</sub> ]galactose	
MW 182.14 <sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>12</sub> O <sub>6</sub> [59-23-4] <sup>UN</sup>	
	Request Price
GAL-045     D-[1,2,3- <sup>13</sup> C <sub>3</sub> ]galactose	
MW 183.13 <sup>13</sup> C <sub>3</sub> C <sub>3</sub> H <sub>12</sub> O <sub>6</sub> [59-23-4] <sup>UN</sup>	
	0.1 g   \$ 350 0.25 g   \$ 690
GAL-013     D-[UL- <sup>13</sup> C <sub>6</sub> ]galactose	
MW 186.11 <sup>13</sup> C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> [74134-89-7]	
	0.05 g   \$ 130 0.1 g   \$ 200 0.25 g   \$ 395 0.5 g   \$ 690 1 g   \$ 1215
GAL-014     L-[UL- <sup>13</sup> C <sub>6</sub> ]galactose	
MW 186.11 <sup>13</sup> C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> [195334-28-2]	
	0.05 g   \$ 550 0.1 g   \$ 1035 0.25 g   \$ 2045
GAL-015     D-[1- <sup>2</sup> H]galactose	
MW 181.16     C <sub>6</sub> <sup>2</sup> HH <sub>11</sub> O <sub>6</sub> [64267-73-8]	
	0.25 g   \$ 165 0.5 g   \$ 250 1 g   \$ 360
GAL-016     D-[2- <sup>2</sup> H]galactose	
MW 181.16     C <sub>6</sub> <sup>2</sup> HH <sub>11</sub> O <sub>6</sub> [64429-86-3]	
	0.25 g   \$ 175 0.5 g   \$ 265 1 g   \$ 370

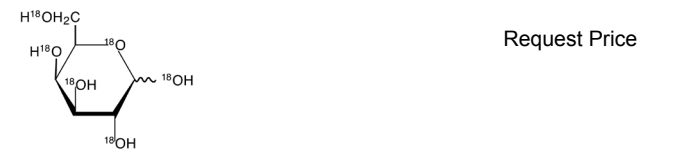
GAL-017     D-[3- <sup>2</sup> H]galactose	
MW 181.16     C <sub>6</sub> <sup>2</sup> HH <sub>11</sub> O <sub>6</sub> [478518-70-6]	
	0.1 g   \$ 550 0.25 g   \$ 1075 0.5 g   \$ 2045 1 g   \$ 3885
GAL-018     D-[4- <sup>2</sup> H]galactose	
MW 181.16     C <sub>6</sub> <sup>2</sup> HH <sub>11</sub> O <sub>6</sub> [478518-71-7]	
	0.25 g   \$ 1340 0.5 g   \$ 2430 1 g   \$ 4425
GAL-024     D-[5- <sup>2</sup> H]galactose	
MW 181.16     C <sub>6</sub> <sup>2</sup> HH <sub>11</sub> O <sub>6</sub> [59-23-4] <sup>UN</sup>	
	0.25 g   \$ 1075 0.5 g   \$ 2045 1 g   \$ 3885
GAL-031     D-[3,5- <sup>2</sup> H <sub>2</sub> ]galactose	
MW 182.17     C <sub>6</sub> <sup>2</sup> H <sub>2</sub> H <sub>10</sub> O <sub>6</sub> [59-23-4] <sup>UN</sup>	
	0.01 g   \$ 185 0.025 g   \$ 325 0.05 g   \$ 590 0.1 g   \$ 1075
GAL-019     D-[6,6'- <sup>2</sup> H <sub>2</sub> ]galactose	
MW 182.17     C <sub>6</sub> <sup>2</sup> H <sub>2</sub> H <sub>10</sub> O <sub>6</sub> [35669-34-2]	
	0.05 g   \$ 200 0.1 g   \$ 305 0.25 g   \$ 590 0.5 g   \$ 1065 1 g   \$ 1945
GAL-033     D-[1- <sup>13</sup> C;1- <sup>2</sup> H]galactose	
MW 182.16 <sup>13</sup> CC <sub>5</sub> <sup>2</sup> HH <sub>11</sub> O <sub>6</sub> [59-23-4] <sup>UN</sup>	
	0.1 g   \$ 305 0.25 g   \$ 550 0.5 g   \$ 975 1 g   \$ 1825
GAL-043     D-[1- <sup>18</sup> O]galactose	
MW 182.16     C <sub>6</sub> H <sub>12</sub> <sup>18</sup> OO <sub>5</sub> [59-23-4] <sup>UN</sup> <i>&gt;90 atom-% <sup>18</sup>O</i>	
	Request Price



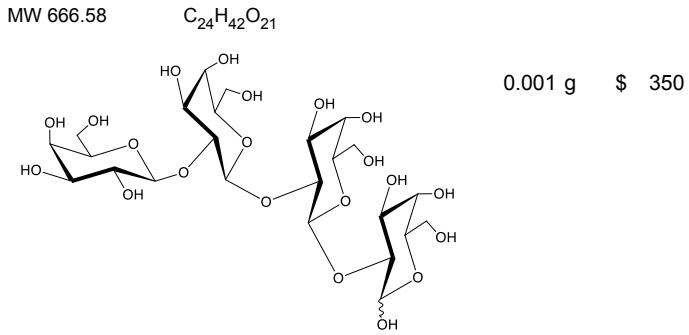
**GAL-057**      **D-[3,4-<sup>18</sup>O<sub>2</sub>]galactose**  
MW 184.16      C<sub>6</sub>H<sub>12</sub><sup>18</sup>O<sub>2</sub>O<sub>4</sub>      [59-23-4]<sup>UN</sup>  
>90 atom-% <sup>18</sup>O



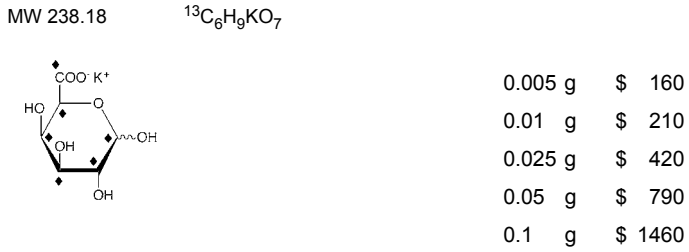
**GAL-058**      **D-[UL-<sup>18</sup>O<sub>6</sub>]galactose**  
MW 192.16      C<sub>6</sub>H<sub>12</sub><sup>18</sup>O<sub>6</sub>      [59-23-4]<sup>UN</sup>  
>90 atom-% <sup>18</sup>O



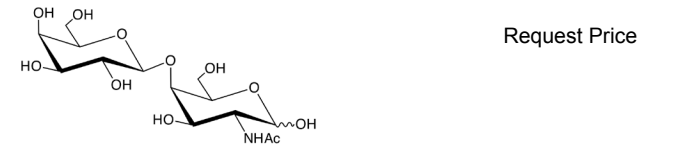
**TET-048**      **Galβ1,2Galβ1,2Galβ1,2Gal**  
(Gal-β-1-2-Gal-β-1-2-Gal-β-1-2-Gal)



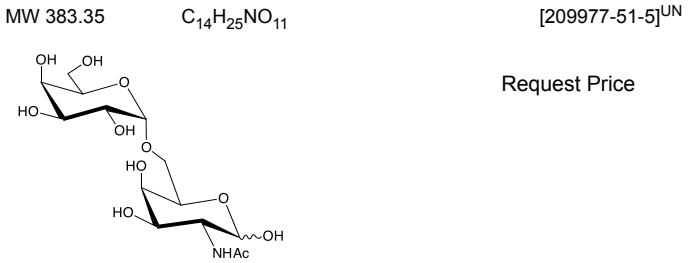
**GAL-048**      **D-[UL-<sup>13</sup>C<sub>6</sub>]galacturonic acid, potassium salt**  
(Potassium D-[UL-<sup>13</sup>C<sub>6</sub>]galacturonate)



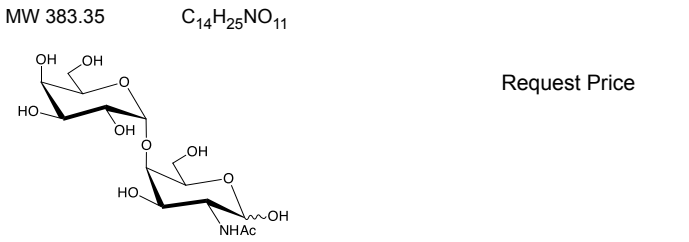
**DIS-047**      **Gal-β-1-4-GalNAc**  
MW 383.35      C<sub>14</sub>H<sub>25</sub>NO<sub>11</sub>



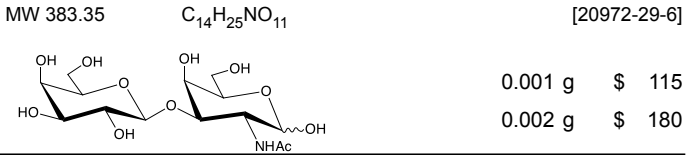
**DIS-040**      **α-D-Galp-(1,6)-D-GalpNAc**  
(Gal-α-1-6-GalNAc)



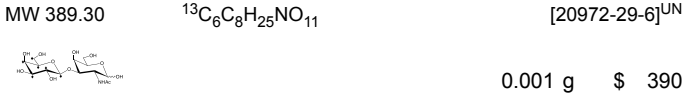
**DIS-039**      **α-D-Galp-(1,4)-D-GalpNAc**  
(Gal-α-1-4-GalNAc)



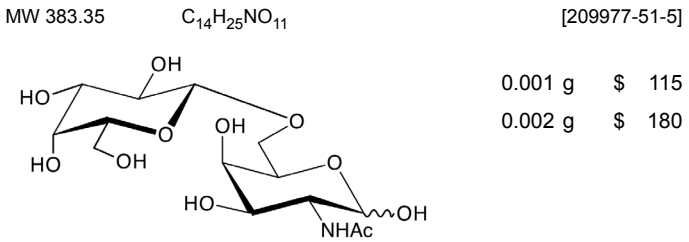
**DIS-015**      **β-D-Gal-(1,3)-D-GalNAc**  
(T-antigen)



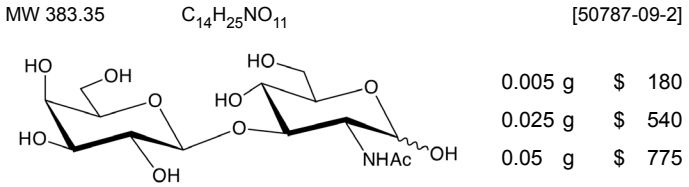
**DIS-016**      **β-D-[UL-<sup>13</sup>C<sub>6</sub>]Galp-(1,3)-D-GalpNAc**  
(T-[<sup>13</sup>C<sub>6</sub><sup>gal</sup>]antigen)



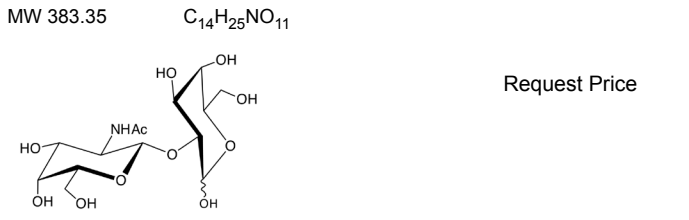
**DIS-021**      **Galβ1,6GalNAc**  
(2-acetamido-2-deoxy-6-O-(β-D-galactopyranosyl)-D-galactopyranose)



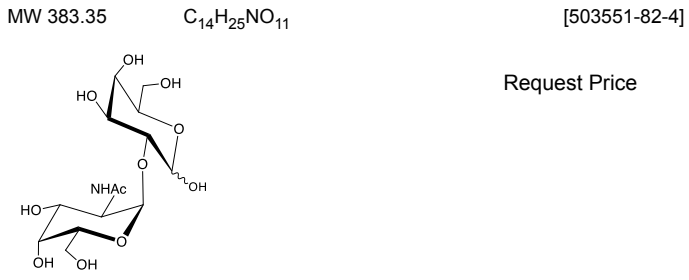
**DIS-096**      **Galβ1-3GlcNAc**  
(Lacto-N-biose)



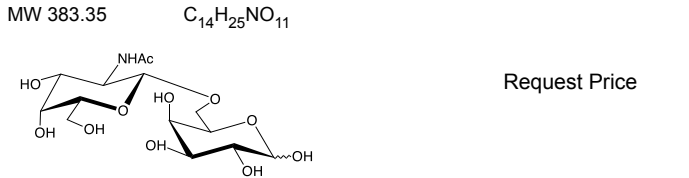
**DIS-046**      **β-D-GalpNAc-(1,2)-D-Galp**  
(GalNAc-β-1-2-Gal)



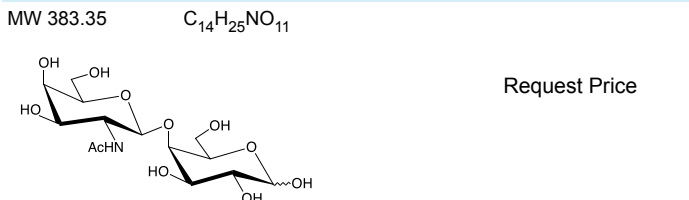
**DIS-045**      **α-D-GalpNAc-(1,2)-D-Galp**  
(GalNAc-α-1-2-Gal)



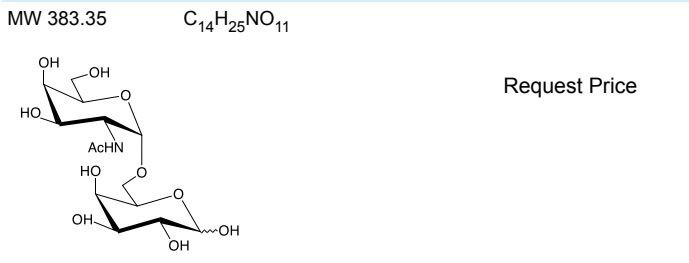
**DIS-038**      **β-D-GalpNAc-(1,6)-D-Galp**  
(GalNAc-β-1-6-Gal)



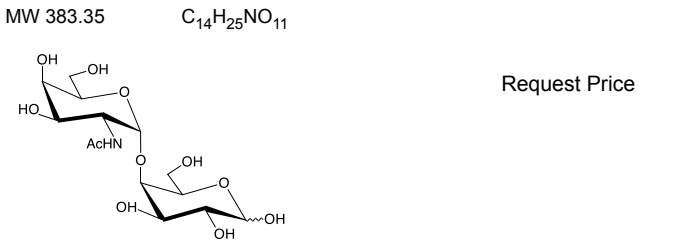
**DIS-037**      **β-D-GalpNAc-(1,4)-D-Galp**  
(GalNAc-β-1-4-Gal)



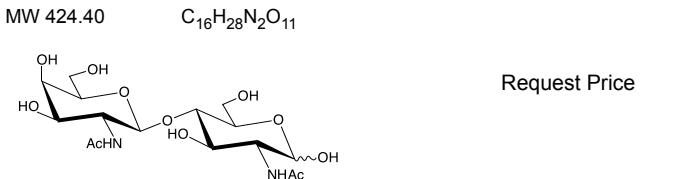
**DIS-036**      **α-D-GalpNAc-(1,6)-D-Galp**  
(GalNAc-α-1-6-Gal)



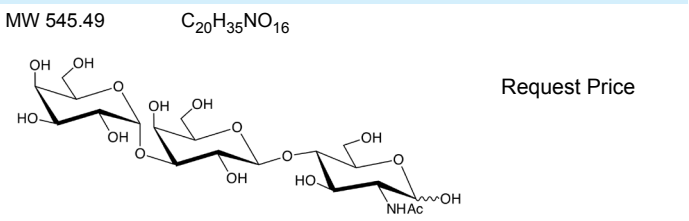
**DIS-035**      **α-D-GalpNAc-(1,4)-D-Galp**  
(GalNAc-α-1-4-Gal)



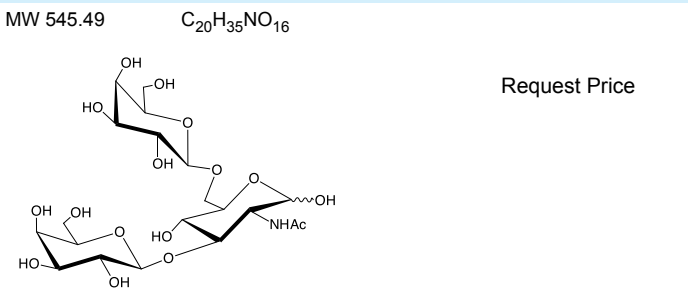
**DIS-043**      **β-D-GalpNAc-(1,4)-D-GlcpNAc**  
(GalNAc-β-1-4-GlcNAc)



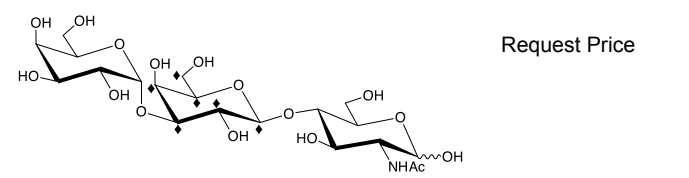
**TRI-025**      **Galpα1,3Galpβ1,4GlcNAc**  
(Galα1→3Galβ1→4GlcNAc)

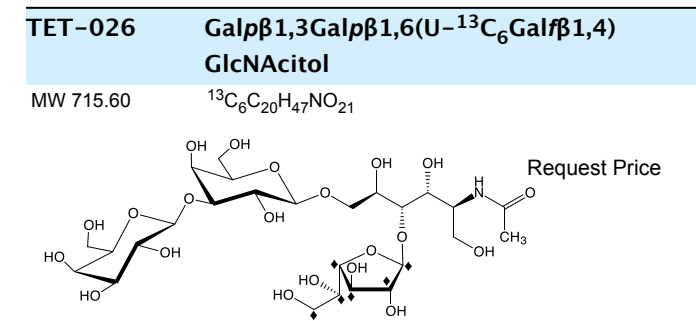
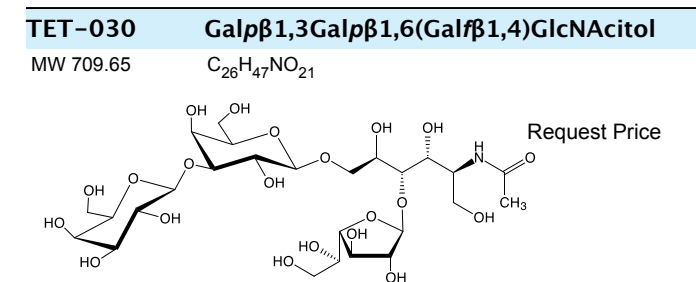
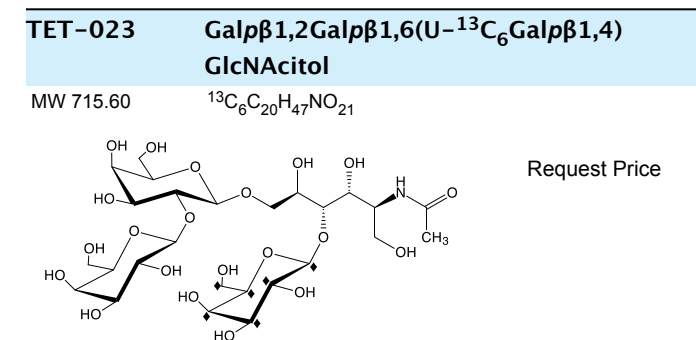
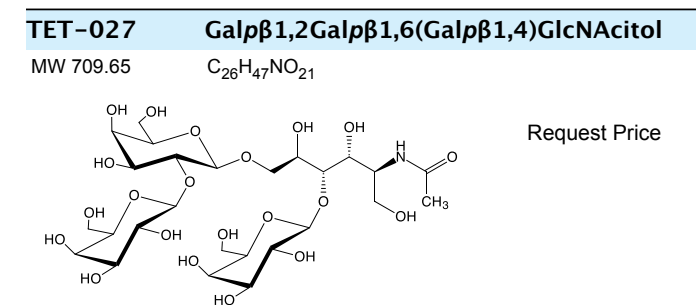
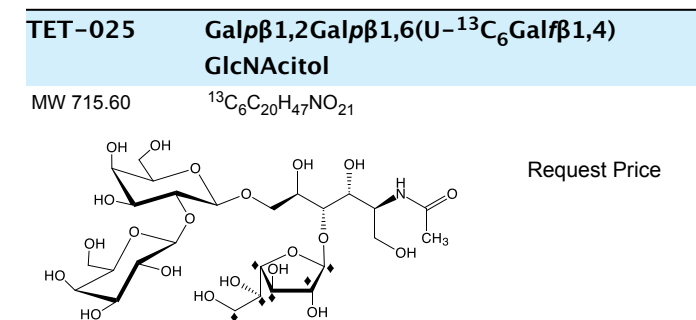
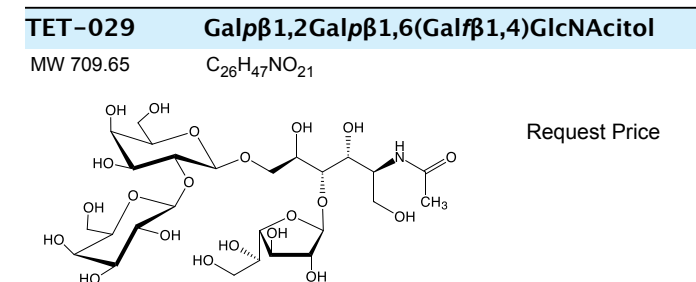
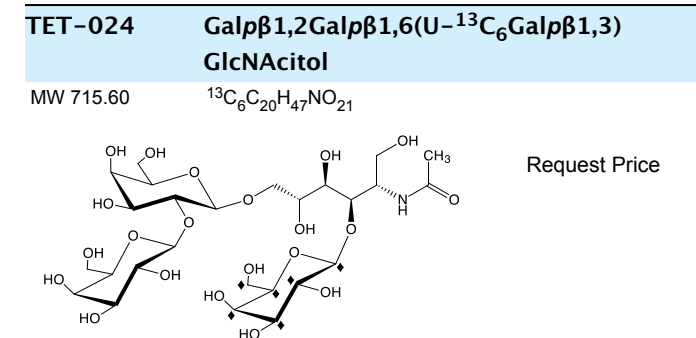
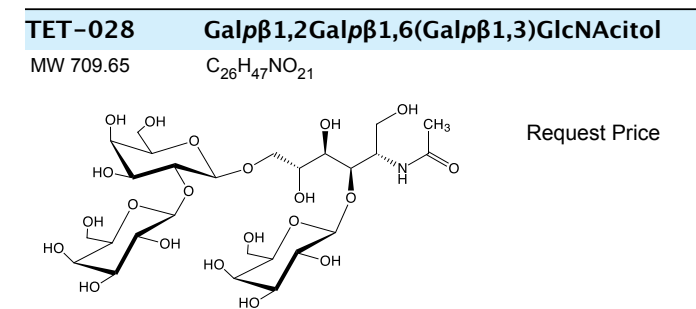
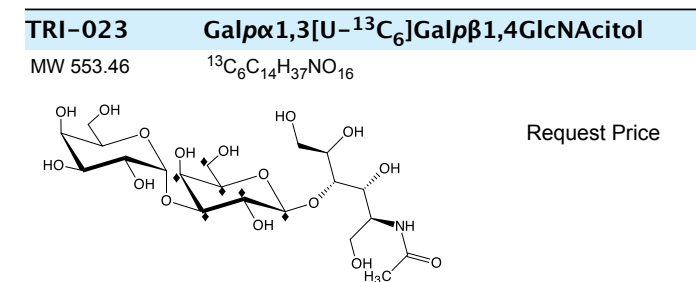
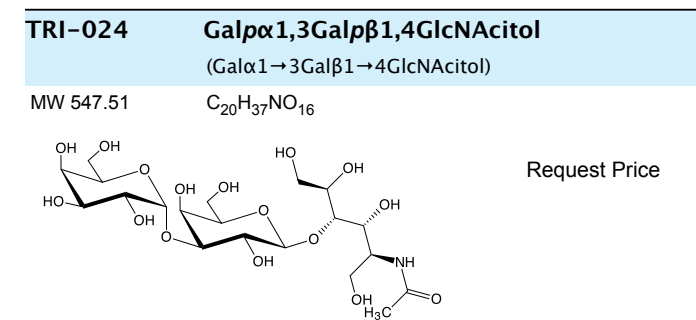
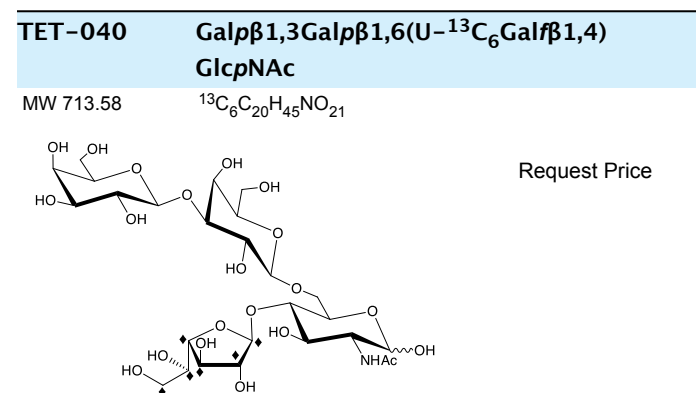
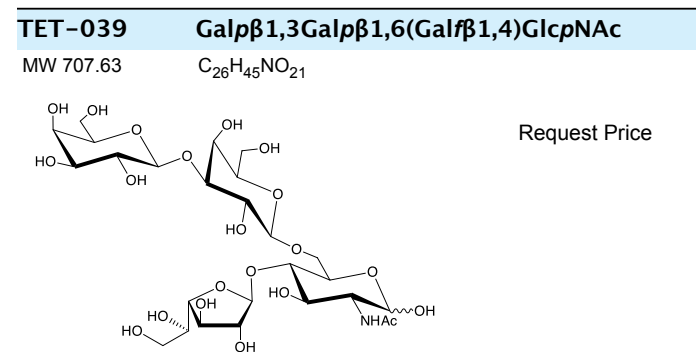
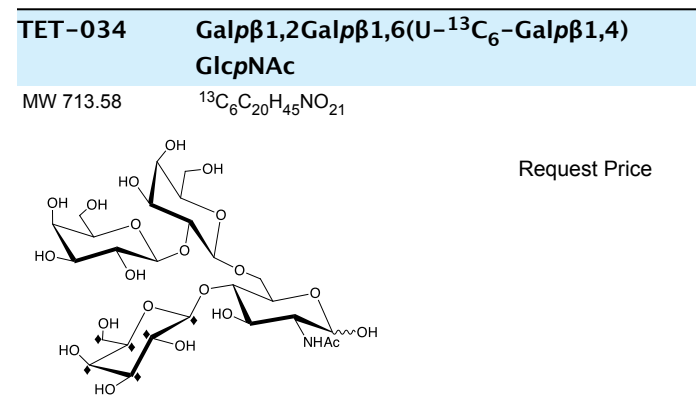
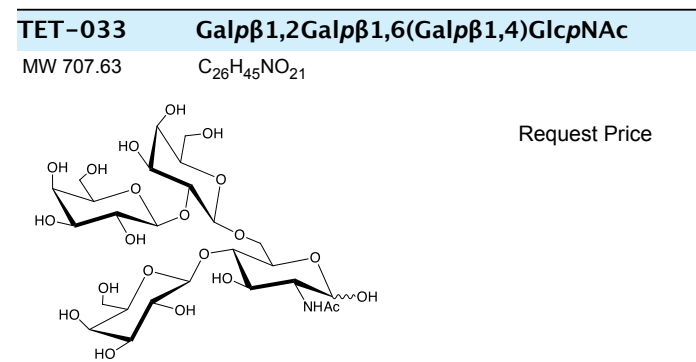
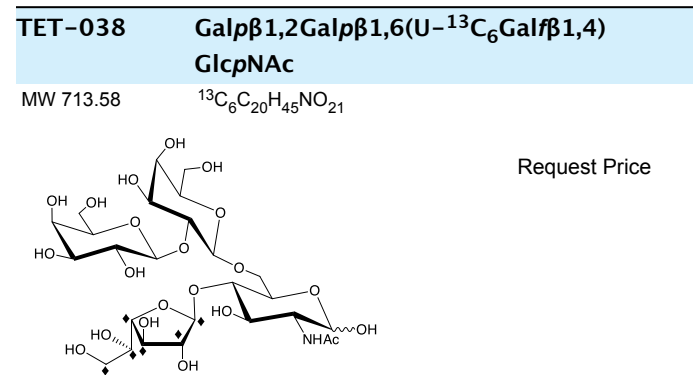
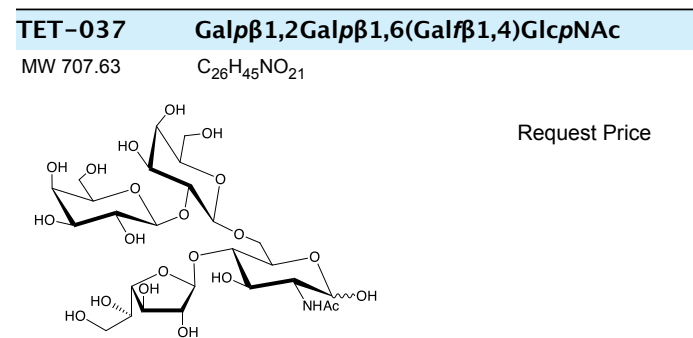
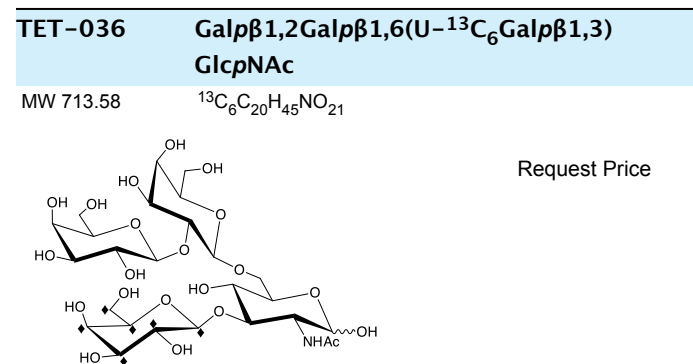
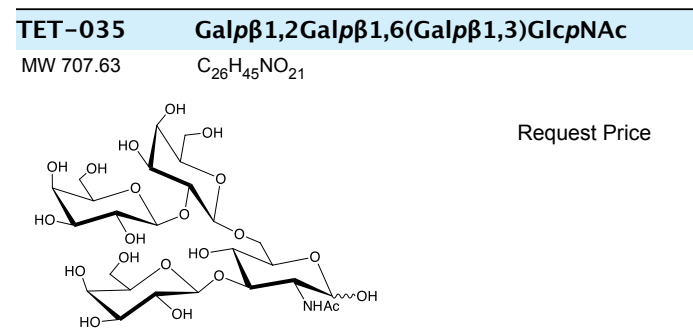
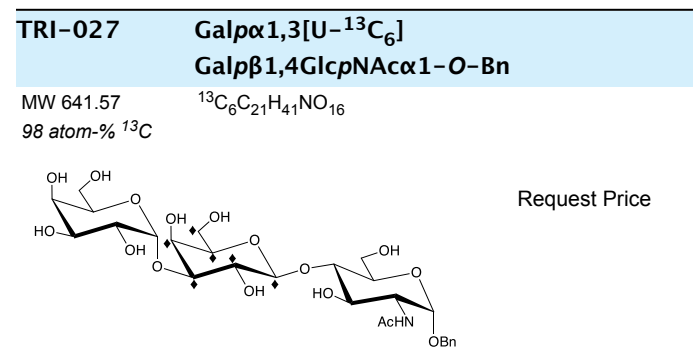


**TRI-034**      **Galpβ1,3(Galpβ1,6)GlcNAc**  
(Gal-β-1-3-(Gal-β-1-6)-GlcNAc)



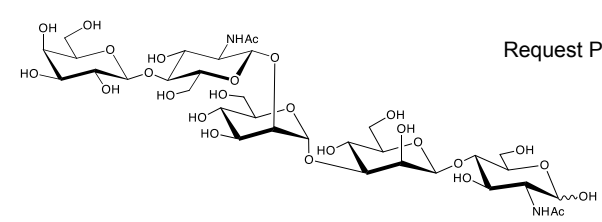
**TRI-026**      **Galpα1,3[U-<sup>13</sup>C<sub>6</sub>]Galpβ1,4GlcNAc**  
MW 551.44      <sup>13</sup>C<sub>6</sub>C<sub>14</sub>H<sub>35</sub>NO<sub>16</sub>





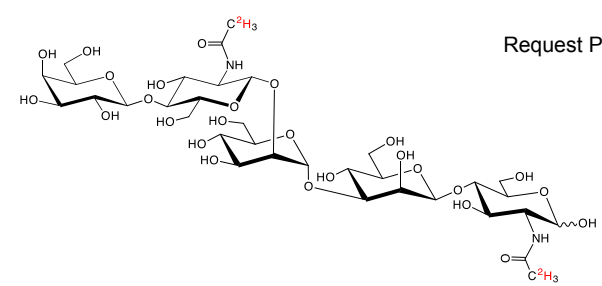
<b>PEN-024</b>	<b>Galβ1,4GlcNAcβ1,2Manα1,3Manβ1,4GlcNAc</b> (βD-Gal(1→4)βD-GlcNAc(1→2)αD-Man(1→3)βD-Man(1→4)D-GlcNAc)
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MW 910.82      C<sub>34</sub>H<sub>58</sub>N<sub>2</sub>O<sub>26</sub>



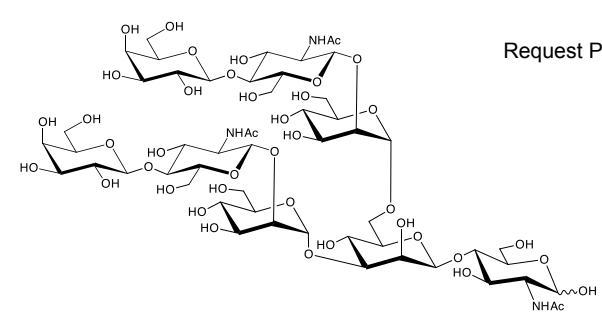
<b>PEN-030</b>	<b>Galβ1,4GlcN[2-<sup>2</sup>H<sub>3</sub>]Acβ1,2Manα1,3Manβ1,4GlcN[2-<sup>2</sup>H<sub>3</sub>]Ac</b> (βD-Gal(1→4)βD-GlcN[2- <sup>2</sup> H <sub>3</sub> ]Ac(1→2)αD-Man(1→3)βD-Man(1→4)D-GlcN[2- <sup>2</sup> H <sub>3</sub> ]Ac)
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MW 916.86      C<sub>34</sub>H<sub>52</sub><sup>2</sup>H<sub>6</sub>N<sub>2</sub>O<sub>26</sub>



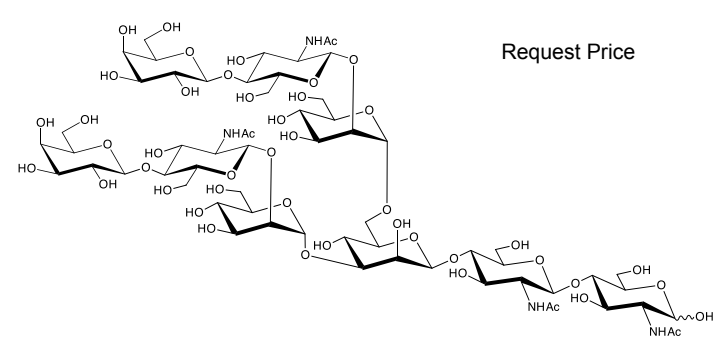
<b>OLI-027</b>	<b>Galβ1,4GlcNAcβ1,2Manα1,3(Galβ1,4GlcNAcβ1,2Manα1,6)Manβ1,4GlcNAc</b> (βD-Gal(1→4)βD-GlcNAc(1→2)αD-Man(1→3)-[βD-Gal(1→4)βD-GlcNAc(1→2)αD-Man(1→6)]-βD-Man(1→4)D-GlcNAc)
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MW 1438.30      C<sub>54</sub>H<sub>91</sub>N<sub>3</sub>O<sub>41</sub>



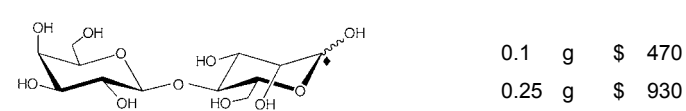
<b>OLI-035</b>	<b>Galβ1,4GlcNAcβ1,2Manα1,3[Galβ1,4GlcNAcβ1,2Manα1,6]Manβ1,4GlcNAcβ1,4GlcNAc</b> (Gal(1→4)βD-GlcNAc(1→2)αD-Man(1→3)-[Gal(1→4)βD-GlcNAc(1→2)αD-Man(1→6)]-βD-Man(1→4)βD-GlcNAc(1→4)D-GlcNAc)
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MW 1641.49      C<sub>62</sub>H<sub>104</sub>N<sub>4</sub>O<sub>46</sub>



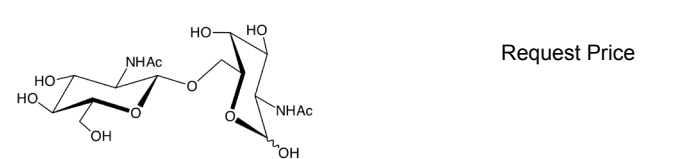
<b>DIS-001</b>	<b>β-D-Galp-(1,4)-D-[1-<sup>13</sup>C]Manp</b> (4-O-β-D-galactopyranosyl-D-[1- <sup>13</sup> C]mannose)
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MW 343.29      <sup>13</sup>CC<sub>11</sub>H<sub>22</sub>O<sub>11</sub>      [50468-56-9]<sup>UN</sup>



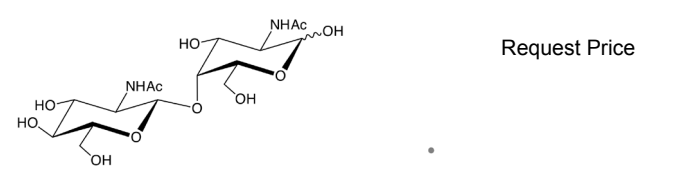
<b>DIS-042</b>	<b>GlcNAc-β-1-6-GalNAc</b> (β-D-GlcpNAc-(1,6)-D-GalpNAc)
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MW 424.40      C<sub>16</sub>H<sub>28</sub>N<sub>2</sub>O<sub>11</sub>



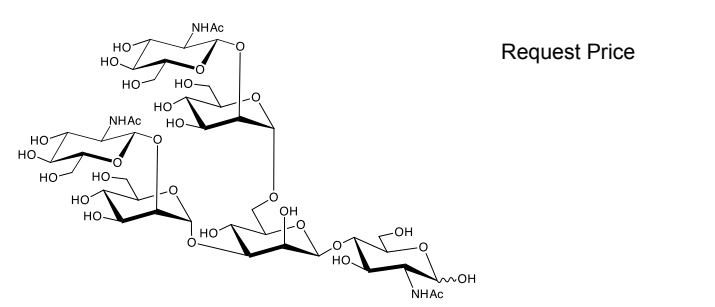
<b>DIS-041</b>	<b>GlcNAc-β-1-4-GalNAc</b>
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MW 424.40      C<sub>16</sub>H<sub>28</sub>N<sub>2</sub>O<sub>11</sub>



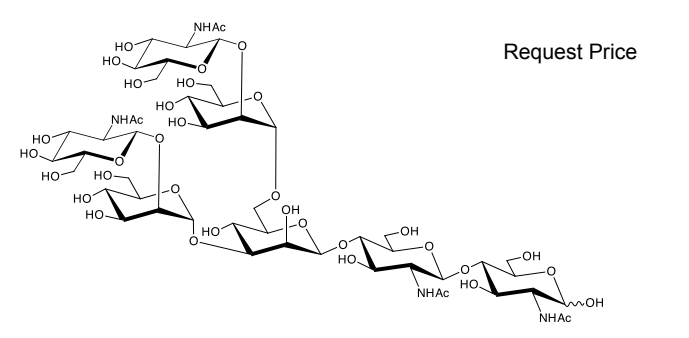
<b>OLI-036</b>	<b>GlcNAcβ1,2Manalpha1,3[GlcNAcβ1,2Manalpha1,6]Manbeta1,4GlcNAc</b> (GlcNAc(1→2)αD-Man(1→3)-[GlcNAc(1→2)αD-Man(1→6)]-βD-Man(1→4)D-GlcNAc)
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MW 1114.02      C<sub>42</sub>H<sub>71</sub>N<sub>3</sub>O<sub>31</sub>



<b>OLI-037</b>	<b>GlcNAcβ1,2Manalpha1,3[GlcNAcβ1,2Manalpha1,6]Manbeta1,4GlcNAcβ1,4GlcNAc</b> (GlcNAc(1→2)αD-Man(1→3)-[GlcNAc(1→2)αD-Man(1→6)]-βD-Man(1→4)βD-GlcNAc(1→4)D-GlcNAc)
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MW 1317.21      C<sub>50</sub>H<sub>84</sub>N<sub>4</sub>O<sub>36</sub>



<b>ALD-076</b>	<b>L-glucitol</b> (L-sorbitol)
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MW 182.17      C<sub>6</sub>H<sub>14</sub>O<sub>6</sub>      [6706-59-8]



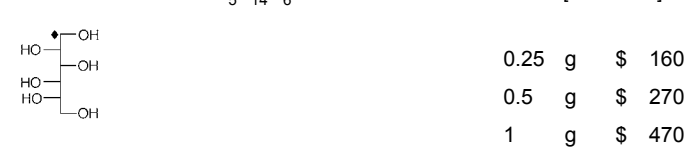
<b>ALD-014</b>	<b>D-[1-<sup>13</sup>C]glucitol</b> (D-[1- <sup>13</sup> C]sorbitol)
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MW 183.17      <sup>13</sup>CC<sub>5</sub>H<sub>14</sub>O<sub>6</sub>      [132144-93-5]



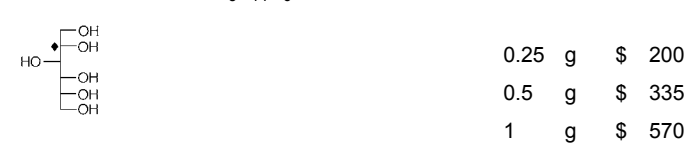
<b>ALD-015</b>	<b>L-[1-<sup>13</sup>C]glucitol</b> (L-[1- <sup>13</sup> C]sorbitol)
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MW 183.17      <sup>13</sup>CC<sub>5</sub>H<sub>14</sub>O<sub>6</sub>      [6706-59-8]<sup>UN</sup>



<b>ALD-016</b>	<b>D-[2-<sup>13</sup>C]glucitol</b> (D-[2- <sup>13</sup> C]sorbitol)
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MW 183.17      <sup>13</sup>CC<sub>5</sub>H<sub>14</sub>O<sub>6</sub>      [287100-73-6]



<b>ALD-017</b>	<b>L-[2-<sup>13</sup>C]glucitol</b> (L-[2- <sup>13</sup> C]sorbitol)
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MW 183.17      <sup>13</sup>CC<sub>5</sub>H<sub>14</sub>O<sub>6</sub>      [6706-59-8]<sup>UN</sup>



<b>ALD-018</b>	<b>D-[3-<sup>13</sup>C]glucitol</b> (D-[3- <sup>13</sup> C]sorbitol)
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MW 183.17      <sup>13</sup>CC<sub>5</sub>H<sub>14</sub>O<sub>6</sub>      [50-70-4]<sup>UN</sup>



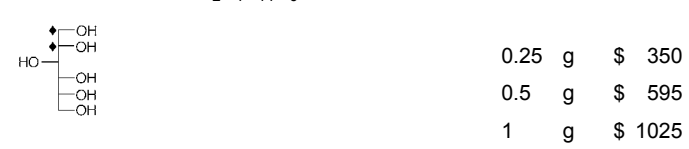
<b>ALD-019</b>	<b>D-[6-<sup>13</sup>C]glucitol</b> (D-[6- <sup>13</sup> C]sorbitol)
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MW 183.17      <sup>13</sup>CC<sub>5</sub>H<sub>14</sub>O<sub>6</sub>      [50-70-4]<sup>UN</sup>



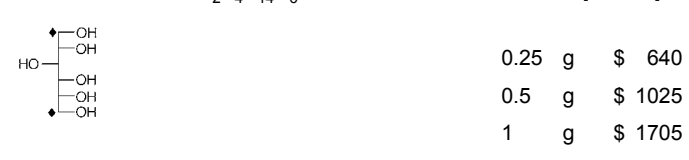
<b>ALD-052</b>	<b>D-[1,2-<sup>13</sup>C<sub>2</sub>]glucitol</b> (D-[1,2- <sup>13</sup> C <sub>2</sub> ]sorbitol)
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MW 184.16      <sup>13</sup>C<sub>2</sub>C<sub>4</sub>H<sub>14</sub>O<sub>6</sub>      [50-70-4]<sup>UN</sup>



<b>ALD-055</b>	<b>D-[1,6-<sup>13</sup>C<sub>2</sub>]glucitol</b> (D-[1,6- <sup>13</sup> C <sub>2</sub> ]sorbitol)
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MW 184.16      <sup>13</sup>C<sub>2</sub>C<sub>4</sub>H<sub>14</sub>O<sub>6</sub>      [50-70-4]<sup>UN</sup>



<b>ALD-042</b>	<b>D-[4,6-<sup>13</sup>C<sub>2</sub>]glucitol</b> (D-[4,6- <sup>13</sup> C <sub>2</sub> ]sorbitol)
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MW 184.16      <sup>13</sup>C<sub>2</sub>C<sub>4</sub>H<sub>14</sub>O<sub>6</sub>      [50-70-4]<sup>UN</sup>



<b>ALD-043</b>	<b>D-[5,6-<sup>13</sup>C<sub>2</sub>]glucitol</b> (D-[5,6- <sup>13</sup> C <sub>2</sub> ]sorbitol)
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MW 184.16      <sup>13</sup>C<sub>2</sub>C<sub>4</sub>H<sub>14</sub>O<sub>6</sub>      [50-70-4]<sup>UN</sup>





<b>ALD-044</b>	<b>D-[4,5,6-<sup>13</sup>C<sub>3</sub>]glucitol</b> (D-[4,5,6- <sup>13</sup> C <sub>3</sub> ]sorbitol)
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
MW 185.15      <sup>13</sup>C<sub>3</sub>C<sub>3</sub>H<sub>14</sub>O<sub>6</sub>      [50-70-4]<sup>UN</sup>








ALD-053	D-[UL- <sup>13</sup> C <sub>6</sub> ]glucitol (D-[UL- <sup>13</sup> C <sub>6</sub> ]sorbitol)		
MW 188.13	<sup>13</sup> C <sub>6</sub> H <sub>14</sub> O <sub>6</sub>	[121067-66-1]	
	0.1 g	\$	145
	0.25 g	\$	275
	0.5 g	\$	470
	1 g	\$	760


ALD-045	D-[2- <sup>2</sup> H]glucitol (D-[2- <sup>2</sup> H]sorbitol)		
MW 183.18	C <sub>6</sub> <sup>2</sup> HH <sub>13</sub> O <sub>6</sub>	[75607-68-0]	
	0.25 g	\$	80
	0.5 g	\$	115
	1 g	\$	155


ALD-046	D-[3- <sup>2</sup> H]glucitol (D-[3- <sup>2</sup> H]sorbitol)		
MW 183.18	C <sub>6</sub> <sup>2</sup> HH <sub>13</sub> O <sub>6</sub>	[50-70-4] <sup>UN</sup>	
	0.25 g	\$	640
	0.5 g	\$	1025
	1 g	\$	1705


ALD-047	D-[4- <sup>2</sup> H]glucitol (D-[4- <sup>2</sup> H]sorbitol)		
MW 183.18	C <sub>6</sub> <sup>2</sup> HH <sub>13</sub> O <sub>6</sub>	[50-70-4] <sup>UN</sup>	
	0.25 g	\$	785
	0.5 g	\$	1340
	1 g	\$	2305

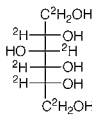
ALD-048	D-[5- <sup>2</sup> H]glucitol (D-[5- <sup>2</sup> H]sorbitol)		
MW 183.18	C <sub>6</sub> <sup>2</sup> HH <sub>13</sub> O <sub>6</sub>	[50-70-4] <sup>UN</sup>	
	0.25 g	\$	90
	0.5 g	\$	155
	1 g	\$	275

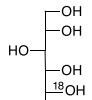
ALD-020	D-[1,1'- <sup>2</sup> H <sub>2</sub> ]glucitol (D-[1,1'- <sup>2</sup> H <sub>2</sub> ]sorbitol)		
MW 184.19	C <sub>6</sub> <sup>2</sup> H <sub>2</sub> H <sub>12</sub> O <sub>6</sub>	[50-70-4] <sup>UN</sup>	
	0.25 g	\$	100
	0.5 g	\$	165
	1 g	\$	285


ALD-049	D-[4,5- <sup>2</sup> H <sub>2</sub> ]glucitol (D-[4,5- <sup>2</sup> H <sub>2</sub> ]sorbitol)		
MW 184.19	C <sub>6</sub> <sup>2</sup> H <sub>2</sub> H <sub>12</sub> O <sub>6</sub>	[50-70-4] <sup>UN</sup>	
	0.25 g	\$	370
	0.5 g	\$	580
	1 g	\$	915

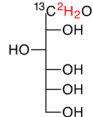
ALD-050	D-[6,6'- <sup>2</sup> H <sub>2</sub> ]glucitol (D-[6,6'- <sup>2</sup> H <sub>2</sub> ]sorbitol)		
MW 184.19	C <sub>6</sub> <sup>2</sup> H <sub>2</sub> H <sub>12</sub> O <sub>6</sub>	[50-70-4] <sup>UN</sup>	
	0.25 g	\$	160
	0.5 g	\$	270
	1 g	\$	470


ALD-051	D-[4,5,6,6'- <sup>2</sup> H <sub>4</sub> ]glucitol (D-[4,5,6,6'- <sup>2</sup> H <sub>4</sub> ]sorbitol)		
MW 186.20	C <sub>6</sub> <sup>2</sup> H <sub>4</sub> H <sub>10</sub> O <sub>6</sub>	[50-70-4] <sup>UN</sup>	
	0.25 g	\$	525
	0.5 g	\$	830
	1 g	\$	1340

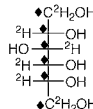
ALD-059	D-[UL- <sup>2</sup> H <sub>8</sub> ]glucitol (D-[UL- <sup>2</sup> H <sub>8</sub> ]sorbitol)		
MW 190.22	C <sub>6</sub> <sup>2</sup> H <sub>8</sub> H <sub>6</sub> O <sub>6</sub>	[50-70-4] <sup>UN</sup>	
	0.1 g	\$	160
	0.25 g	\$	315
	0.5 g	\$	580
	1 g	\$	1050

ALD-083		D-[5- <sup>18</sup> O]glucitol (D-[5- <sup>18</sup> O]sorbitol)	
MW 184.17	C <sub>6</sub> H <sub>14</sub> <sup>18</sup> OO <sub>5</sub>	[50-70-4] <sup>UN</sup>	
>90 atom-% <sup>18</sup> O			
		Request Price	

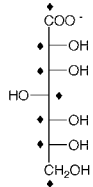
ALD-080		D-[6- <sup>18</sup> O]glucitol (D-[6- <sup>18</sup> O]sorbitol)	
MW 184.17	C <sub>6</sub> H <sub>14</sub> <sup>18</sup> OO <sub>5</sub>	[50-70-4] <sup>UN</sup>	
>90 atom-% <sup>18</sup> O			
	0.05 g	\$	370

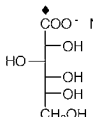
ALD-085		D-[1- <sup>13</sup> C;1,1'- <sup>2</sup> H <sub>2</sub> ]glucitol (D-[1- <sup>13</sup> C;1,1'- <sup>2</sup> H <sub>2</sub> ]sorbitol)	
MW 185.18	<sup>13</sup> CC <sub>5</sub> <sup>2</sup> H <sub>2</sub> H <sub>12</sub> O <sub>6</sub>	[50-70-4] <sup>UN</sup>	
99 atom-% <sup>13</sup> C: 98 atom-% <sup>2</sup> H			
		Request Price	


ALD-078	D-[6- <sup>13</sup> C;6,6'- <sup>2</sup> H <sub>2</sub> ]glucitol (D-[6- <sup>13</sup> C;6,6'- <sup>2</sup> H <sub>2</sub> ]sorbitol)		
MW 185.18	<sup>13</sup> CC <sub>5</sub> <sup>2</sup> H <sub>2</sub> H <sub>12</sub> O <sub>6</sub>	[50-70-4] <sup>UN</sup>	
	0.25 g	\$	305
	0.5 g	\$	540
	1 g	\$	975

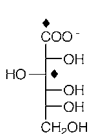
ALD-073		D-[UL- <sup>13</sup> C <sub>6</sub> :UL- <sup>2</sup> H <sub>8</sub> ]glucitol (D-[UL- <sup>13</sup> C <sub>6</sub> :UL- <sup>2</sup> H <sub>8</sub> ]sorbitol)	
MW 196.17	<sup>13</sup> C <sub>6</sub> <sup>2</sup> H <sub>8</sub> H <sub>6</sub> O <sub>6</sub>	[50-70-4] <sup>UN</sup>	
99 atom-% <sup>13</sup> C; 97 atom-% <sup>2</sup> H			
		Request Price	

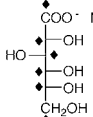
HEP-006			<b>α-D-glucoheptonic acid sodium salt dihydrate</b> (D- <i>glycero</i> -D- <i>gulo</i> -heptonic acid)	
MW 284.19	C <sub>7</sub> H <sub>13</sub> O <sub>8</sub> Na·(H <sub>2</sub> O) <sub>2</sub>		[10094-62-9]	
<div><div><div>COO<sup>-</sup> Na<sup>+</sup></div><div>— —</div><div>—OH—</div><div>— —</div><div>HO— —</div><div>— —</div><div>—OH—</div><div>— —</div><div>—OH—</div><div>— —</div><div>CH<sub>2</sub>OH</div></div><div>• 2H<sub>2</sub>O</div></div>			Request Price	

HEP-007		$\alpha$ -D-[UL- $^{13}\text{C}_7$ ]glucoheptonic acid sodium salt dihydrate (D-glycero-D-gulo-[UL- $^{13}\text{C}_7$ ]heptonic acid)	
MW 291.13	$^{13}\text{C}_7\text{H}_{13}\text{O}_8\text{Na}\cdot(\text{H}_2\text{O})_2$	[10094-62-9] <sup>UN</sup>	
		Request Price	

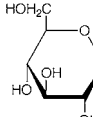
GLC-095	D-[1- <sup>13</sup> C]gluconic acid, sodium salt (Sodium D-[1- <sup>13</sup> C]gluconate)		
MW 219.13	<sup>13</sup> CC <sub>5</sub> H <sub>11</sub> NaO <sub>7</sub>	[527-07-1] <sup>UN</sup>	
	0.1 g	\$	200
	0.25 g	\$	395
	0.5 g	\$	690
	1 g	\$	1215


GLC-163	D-[6,6'- <sup>2</sup> H <sub>2</sub> ]gluconic acid, sodium salt (Sodium D-[6,6'- <sup>2</sup> H <sub>2</sub> ]gluconate)		
MW 220.15	C <sub>6</sub> <sup>2</sup> H <sub>2</sub> H <sub>9</sub> NaO <sub>7</sub>	[527-07-1] <sup>UN</sup>	
	0.1 g	\$	190
	0.25 g	\$	375
	0.5 g	\$	655
	1 g	\$	1155

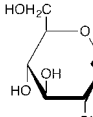
GLC-143		D-[1,3- <sup>13</sup> C <sub>2</sub> ]gluconic acid, potassium salt (Potassium D-[1,3- <sup>13</sup> C <sub>2</sub> ]gluconate)	
MW 236.23	<sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>11</sub> KO <sub>7</sub>	[299-27-4] <sup>UN</sup>	
		Request Price	

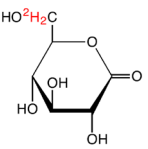
GLC-090	D-[UL- <sup>13</sup> C <sub>6</sub> ]gluconic acid, sodium salt (Sodium D-[UL- <sup>13</sup> C <sub>6</sub> ]gluconate)		
MW 224.09	<sup>13</sup> C <sub>6</sub> H <sub>11</sub> NaO <sub>7</sub>	[527-07-1] <sup>UN</sup>	
	0.1 g	\$	250
	0.25 g	\$	490

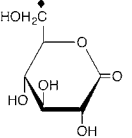
gluconic acid lactone see glucono-lactone page 61			
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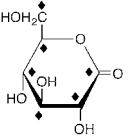
GLC-112	D-glucono-1,5-lactone (D-gluconic acid δ-lactone)		
MW 178.14	C <sub>6</sub> H <sub>10</sub> O <sub>6</sub>	[90-80-2]	
	1 g	\$	100

GLC-113	L-glucono-1,5-lactone (L-gluconic acid δ-lactone)		
MW 178.14	C <sub>6</sub> H <sub>10</sub> O <sub>6</sub>	[52153-09-0]	
	1 g	\$	370

GLC-068	D-[1- <sup>13</sup> C]glucono-1,5-lactone (D-[1- <sup>13</sup> C]gluconic acid δ-lactone)		
MW 179.13	<sup>13</sup> CC <sub>5</sub> H <sub>10</sub> O <sub>6</sub>	[90-80-2] <sup>UN</sup>	
	0.1 g	\$	185
	0.25 g	\$	345
	0.5 g	\$	585

GLC-162	D-[6,6'- <sup>2</sup> H <sub>2</sub> ]glucono-1,5-lactone (D-[6,6'- <sup>2</sup> H <sub>2</sub> ]gluconic acid δ-lactone)			
MW 180.15	C <sub>6</sub> <sup>2</sup> H <sub>2</sub> H <sub>8</sub> O <sub>6</sub>	[90-80-2] <sup>UN</sup>		
			0.1 g	\$ 190
			0.25 g	\$ 375
			0.5 g	\$ 655
			1 g	\$ 1155

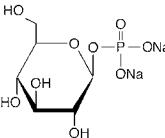
GLC-102	D-[6- <sup>13</sup> C]glucono-1,5-lactone (D-[6- <sup>13</sup> C]gluconic acid δ-lactone)			
MW 179.13	<sup>13</sup> CC <sub>5</sub> H <sub>10</sub> O <sub>6</sub>	[90-80-2] <sup>UN</sup>		
			Request Price	

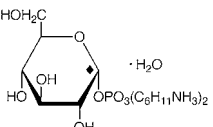
GLC-072	D-[UL- <sup>13</sup> C <sub>6</sub> ]glucono-1,5-lactone (D-[UL- <sup>13</sup> C <sub>6</sub> ]gluconic acid δ-lactone)			
MW 184.09	<sup>13</sup> C <sub>6</sub> H <sub>10</sub> O <sub>6</sub>	[90-80-2] <sup>UN</sup>		
			0.1 g	\$ 250
			0.25 g	\$ 490
			0.5 g	\$ 855

1-O-D-glucopyranosyl-D-glucopyranoside
see trehalose <a href="#">page 109</a>

4-O-α-D-glucopyranosyl-D-glucose
see maltose <a href="#">page 78</a>

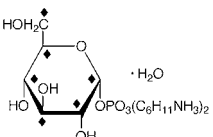
4-O-β-D-glucopyranosyl-D-glucose
see cellobiose <a href="#">page 37</a>

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

GLC-015	α-D-[1- <sup>13</sup> C]glucopyranosyl 1-phosphate (dicyclohexylammonium salt, monohydrate)			
MW 477.51	<sup>13</sup> CC <sub>17</sub> H <sub>39</sub> N <sub>2</sub> O <sub>9</sub> P·H <sub>2</sub> O	[478518-99-9]		
			0.25 g	\$ 305
			0.5 g	\$ 515
			1 g	\$ 855

GLC-154	α-D-[1- <sup>13</sup> C]glucopyranosyl 1-phosphate dipotassium salt hydrate (α-D-[1- <sup>13</sup> C]glucose 1-phosphate dipotassium salt hydrate)			
MW 337.31	<sup>13</sup> CC <sub>5</sub> H <sub>11</sub> K <sub>2</sub> O <sub>9</sub> P·(H <sub>2</sub> O) <sub>x</sub>	[6736-77-2] <sup>UN</sup>		
	MW is on anhydrous basis. CAS is for unlabeled, anhydrous compound.			

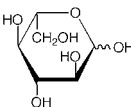
	Request Price
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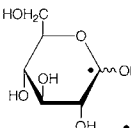
GLC-074	α-D-[UL- <sup>13</sup> C <sub>6</sub> ]glucopyranosyl 1-phosphate (dicyclohexylammonium salt, monohydrate)			
MW 482.47	<sup>13</sup> C <sub>6</sub> C <sub>12</sub> H <sub>39</sub> N <sub>2</sub> O <sub>9</sub> P·H <sub>2</sub> O			
	0.05 g	\$ 225		
	0.1 g	\$ 385		
	0.25 g	\$ 760		

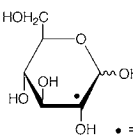
GLC-137	α-D-[UL- <sup>13</sup> C <sub>6</sub> ]glucopyranosyl 1-phosphate dipotassium salt hydrate			
MW 342.27	<sup>13</sup> C <sub>6</sub> H <sub>11</sub> K <sub>2</sub> O <sub>9</sub> P·(H <sub>2</sub> O) <sub>x</sub>	[6736-77-2] <sup>UN</sup>		
	MW is on anhydrous basis. CAS is for unlabeled, anhydrous compound.			

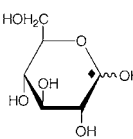
	0.05 g	\$ 155		
	0.1 g	\$ 250		
	0.25 g	\$ 490		

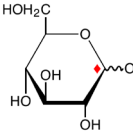
glucosamine
see 2-amino-2-deoxy-D-glucose <a href="#">page 31</a>

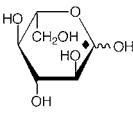
GLC-079	L-glucose			
MW 180.16	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	[921-60-8]		
	1 g	\$ 80		

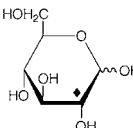
GLC-016	D-[1- <sup>12</sup> C]glucose ( <sup>13</sup> C depleted at C1)			
MW 180.15	<sup>12</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub>	[50-99-7] <sup>UN</sup>		
	99.9 atom-% <sup>12</sup> C at C1			
	0.25 g	\$ 265		
	0.5 g	\$ 445		
	1 g	\$ 730		

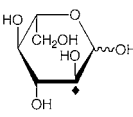
GLC-017	D-[2- <sup>12</sup> C]glucose ( <sup>13</sup> C depleted at C2)			
MW 180.15	<sup>12</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub>	[50-99-7] <sup>UN</sup>		
	99.9 atom-% <sup>12</sup> C at C2			
	0.25 g	\$ 265		
	0.5 g	\$ 445		
	1 g	\$ 730		

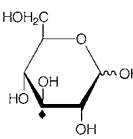
GLC-018	D-[1- <sup>13</sup> C]glucose			
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub>	[40762-22-9]		
	0.25 g	\$ 108		
	0.5 g	\$ 180		
	1 g	\$ 282		

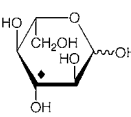
GLC-918	D-[1- <sup>13</sup> C]glucose (S&P Tested)			
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub>	[50-99-7] <sup>UN</sup>		
	Request Price			

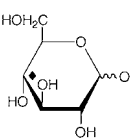
GLC-019	L-[1- <sup>13</sup> C]glucose			
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub>	[478519-02-7]		
	0.25 g	\$ 130		
	0.5 g	\$ 210		
	1 g	\$ 370		

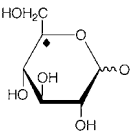
GLC-020	D-[2- <sup>13</sup> C]glucose			
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub>	[105931-74-6]		
	0.25 g	\$ 115		
	0.5 g	\$ 185		
	1 g	\$ 305		

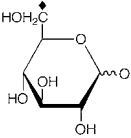
GLC-021	L-[2- <sup>13</sup> C]glucose			
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub>	[478519-05-0]		
	0.25 g	\$ 185		
	0.5 g	\$ 325		
	1 g	\$ 570		

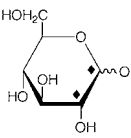
GLC-022	D-[3- <sup>13</sup> C]glucose			
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub>	[287100-64-5]		
	0.05 g	\$ 115		
	0.1 g	\$ 185		
	0.25 g	\$ 355		
	0.5 g	\$ 610		
	1 g	\$ 1105		

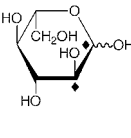
GLC-104	L-[3- <sup>13</sup> C]glucose			
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub>	[921-60-8] <sup>UN</sup>		
	0.1 g	\$ 250		
	0.25 g	\$ 470		

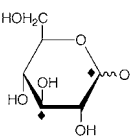
GLC-023	D-[4- <sup>13</sup> C]glucose			
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub>	[84270-10-0]		
	0.05 g	\$ 200		
	0.1 g	\$ 325		
	0.25 g	\$ 610		
	0.5 g	\$ 1085		
	1 g	\$ 1945		

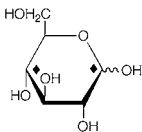
GLC-024	D-[5- <sup>13</sup> C]glucose			
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub>	[120388-24-1]		
	0.05 g	\$ 225		
	0.1 g	\$ 335		
	0.25 g	\$ 650		
	0.5 g	\$ 1145		
	1 g	\$ 2065		

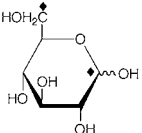
GLC-025	D-[6- <sup>13</sup> C]glucose			
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub>	[106032-62-6]		
	0.1 g	\$ 155		
	0.25 g	\$ 290		
	0.5 g	\$ 490		
	1 g	\$ 855		

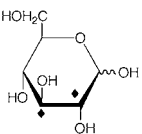
GLC-026	D-[1,2- <sup>13</sup> C <sub>2</sub> ]glucose			
MW 182.14	<sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>12</sub> O <sub>6</sub>	[261728-61-4]		
	0.1 g	\$ 155		
	0.25 g	\$ 275		
	0.5 g	\$ 470		
	1 g	\$ 795		

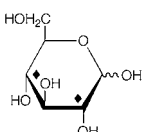
GLC-099	L-[1,2- <sup>13</sup> C <sub>2</sub> ]glucose			
MW 182.14	<sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>12</sub> O <sub>6</sub>	[921-60-8] <sup>UN</sup>		
	0.1 g	\$ 325		
	0.25 g	\$ 610		
	0.5 g	\$ 1085		
	1 g	\$ 1945		

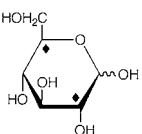
GLC-027	D-[1,3- <sup>13</sup> C <sub>2</sub> ]glucose			
MW 182.14	<sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>12</sub> O <sub>6</sub>	[478529-30-5]		
	0.25 g	\$ 700		
	0.5 g	\$ 1195		
	1 g	\$ 2065		

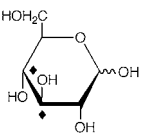
GLC-148		D-[1,4- <sup>13</sup> C <sub>2</sub> ]glucose	
MW 182.14	<sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>12</sub> O <sub>6</sub>	[50-99-7] <sup>UN</sup>	
		Request Price	

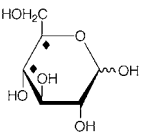
GLC-028	D-[1,6- <sup>13</sup> C <sub>2</sub> ]glucose		
MW 182.14	<sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>12</sub> O <sub>6</sub>	[287100-67-8]	
	0.05 g	\$	185
	0.1 g	\$	295
	0.25 g	\$	640
	0.5 g	\$	1025
	1 g	\$	1825

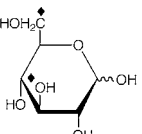
GLC-078	D-[2,3- <sup>13</sup> C <sub>2</sub> ]glucose		
MW 182.14	<sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>12</sub> O <sub>6</sub>	[50-99-7] <sup>UN</sup>	
	0.25 g	\$	730
	0.5 g	\$	1215
	1 g	\$	2185

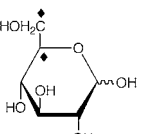
GLC-149	D-[2,4- <sup>13</sup> C <sub>2</sub> ]glucose		
MW 182.14	<sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>12</sub> O <sub>6</sub>	[50-99-7] <sup>UN</sup>	
		Request Price	

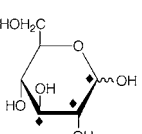
GLC-029	D-[2,5- <sup>13</sup> C <sub>2</sub> ]glucose		
MW 182.14	<sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>12</sub> O <sub>6</sub>	[86595-19-9]	
	0.05 g	\$	295
	0.1 g	\$	490
	0.25 g	\$	990
	0.5 g	\$	1750
	1 g	\$	3160

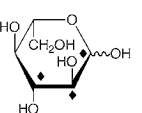
GLC-061	D-[3,4- <sup>13</sup> C <sub>2</sub> ]glucose		
MW 182.14	<sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>12</sub> O <sub>6</sub>	[50-99-7] <sup>UN</sup>	
	0.1 g	\$	550
	0.25 g	\$	1095
	0.5 g	\$	2090
	1 g	\$	3885

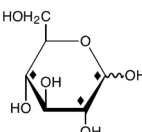
GLC-030	D-[4,5- <sup>13</sup> C <sub>2</sub> ]glucose		
MW 182.14	<sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>12</sub> O <sub>6</sub>	[478529-31-6]	
	0.25 g	\$	940
	0.5 g	\$	1705
	1 g	\$	3100

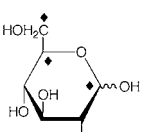
GLC-056	D-[4,6- <sup>13</sup> C <sub>2</sub> ]glucose		
MW 182.14	<sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>12</sub> O <sub>6</sub>	[478529-45-2]	
	0.1 g	\$	1245
	0.25 g	\$	2965

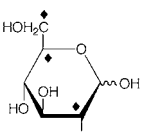
GLC-057	D-[5,6- <sup>13</sup> C <sub>2</sub> ]glucose		
MW 182.14	<sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>12</sub> O <sub>6</sub>	[478529-46-3]	
	0.05 g	\$	265
	0.1 g	\$	445
	0.25 g	\$	880
	0.5 g	\$	1655
	1 g	\$	3160

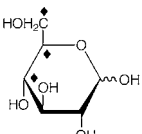
GLC-031	D-[1,2,3- <sup>13</sup> C <sub>3</sub> ]glucose		
MW 183.14	<sup>13</sup> C <sub>3</sub> C <sub>3</sub> H <sub>12</sub> O <sub>6</sub>	[478529-32-7]	
	0.25 g	\$	695
	0.5 g	\$	1195
	1 g	\$	2065

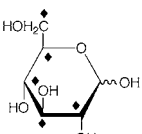
GLC-110	L-[1,2,3- <sup>13</sup> C <sub>3</sub> ]glucose		
MW 183.14	<sup>13</sup> C <sub>3</sub> C <sub>3</sub> H <sub>12</sub> O <sub>6</sub>	[921-60-8] <sup>UN</sup>	
	0.25 g	\$	730
	0.5 g	\$	1215
	1 g	\$	2185

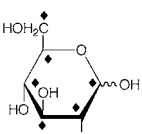
GLC-156		D-[1,2,4- <sup>13</sup> C <sub>3</sub> ]glucose
MW 183.14	<sup>13</sup> C <sub>3</sub> C <sub>3</sub> H <sub>12</sub> O <sub>6</sub>	[50-99-7] <sup>UN</sup>
		Request Price

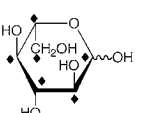
GLC-117		D-[1,5,6- <sup>13</sup> C <sub>3</sub> ]glucose
MW 183.14	<sup>13</sup> C <sub>3</sub> C <sub>3</sub> H <sub>12</sub> O <sub>6</sub>	[50-99-7] <sup>UN</sup>
		Request Price

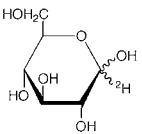
GLC-118			D-[2,5,6- <sup>13</sup> C <sub>3</sub> ]glucose
MW 183.14	<sup>13</sup> C <sub>3</sub> C <sub>3</sub> H <sub>12</sub> O <sub>6</sub>	[50-99-7] <sup>UN</sup>	
		Request Price	

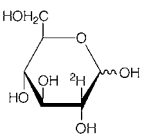
GLC-058	D-[4,5,6- <sup>13</sup> C <sub>3</sub> ]glucose		
MW 183.14	<sup>13</sup> C <sub>3</sub> C <sub>3</sub> H <sub>12</sub> O <sub>6</sub>	[478529-47-4]	
	0.1 g	\$	490
	0.25 g	\$	975

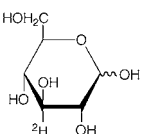
GLC-111	D-[2,3,4,5,6- <sup>13</sup> C <sub>5</sub> ]glucose		
MW 185.12	<sup>13</sup> C <sub>5</sub> CH <sub>12</sub> O <sub>6</sub>	[50-99-7] <sup>UN</sup>	
	0.01 g	\$	150
	0.025 g	\$	285
	0.05 g	\$	500
	0.1 g	\$	885

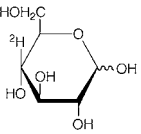
GLC-082	D-[UL- <sup>13</sup> C <sub>6</sub> ]glucose		
MW 186.11	<sup>13</sup> C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	[110187-42-3]	
	0.25 g	\$	130
	0.5 g	\$	185
	1 g	\$	275

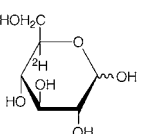
GLC-121	L-[UL- <sup>13</sup> C <sub>6</sub> ]glucose		
MW 186.11	<sup>13</sup> C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	[921-60-8] <sup>UN</sup>	
	0.05 g	\$	550
	0.1 g	\$	975

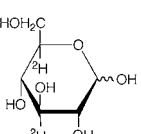
GLC-032	D-[1- <sup>2</sup> H]glucose		
MW 181.16	C <sub>6</sub> <sup>2</sup> HH <sub>11</sub> O <sub>6</sub>	[106032-61-5]	
	0.25 g	\$	100
	0.5 g	\$	145
	1 g	\$	185

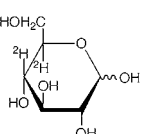
GLC-033	D-[2- <sup>2</sup> H]glucose		
MW 181.16	C <sub>6</sub> <sup>2</sup> HH <sub>11</sub> O <sub>6</sub>	[106032-60-4]	
	0.25 g	\$	115
	0.5 g	\$	175
	1 g	\$	285

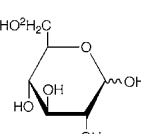
GLC-034	D-[3- <sup>2</sup> H]glucose		
MW 181.16	C <sub>6</sub> <sup>2</sup> HH <sub>11</sub> O <sub>6</sub>	[51517-59-0]	
	0.05 g	\$	130
	0.1 g	\$	200
	0.25 g	\$	385
	0.5 g	\$	665
	1 g	\$	1195

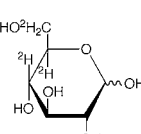
GLC-035	D-[4- <sup>2</sup> H]glucose		
MW 181.16	C <sub>6</sub> <sup>2</sup> HH <sub>11</sub> O <sub>6</sub>	[56570-89-9]	
	0.05 g	\$	225
	0.1 g	\$	370
	0.25 g	\$	710
	0.5 g	\$	1215
	1 g	\$	2065

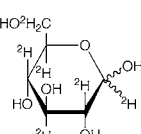
GLC-036	D-[5- <sup>2</sup> H]glucose		
MW 181.16	C <sub>6</sub> <sup>2</sup> HH <sub>11</sub> O <sub>6</sub>	[136864-16-9]	
	0.05 g	\$	130
	0.1 g	\$	200
	0.25 g	\$	395
	0.5 g	\$	675
	1 g	\$	1215

GLC-077	D-[3,5- <sup>2</sup> H <sub>2</sub> ]glucose		
MW 182.17	C <sub>6</sub> <sup>2</sup> H <sub>2</sub> H <sub>10</sub> O <sub>6</sub>	[50-99-7] <sup>UN</sup>	
	0.01 g	\$	185
	0.025 g	\$	325
	0.05 g	\$	590
	0.1 g	\$	1075

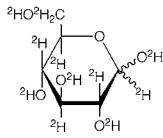
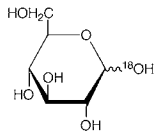
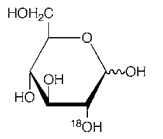
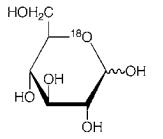
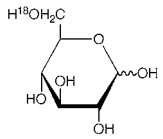
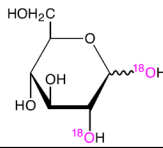
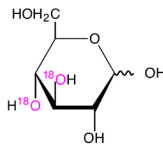
GLC-059	D-[4,5- <sup>2</sup> H <sub>2</sub> ]glucose		
MW 182.17	C <sub>6</sub> <sup>2</sup> H <sub>2</sub> H <sub>10</sub> O <sub>6</sub>	[478529-48-5]	
	0.25 g	\$	830
	0.5 g	\$	1415
	1 g	\$	2555

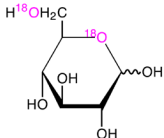
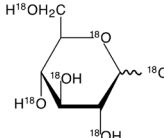
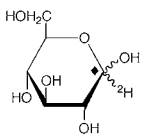
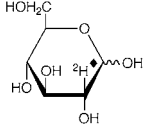
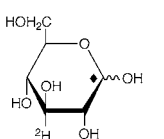
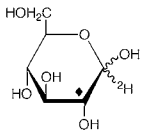
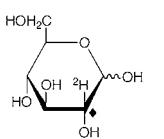
GLC-037	D-[6,6'- <sup>2</sup> H <sub>2</sub> ]glucose		
MW 182.17	C <sub>6</sub> <sup>2</sup> H <sub>2</sub> H <sub>10</sub> O <sub>6</sub>	[18991-62-3]	
	1 g	\$	105

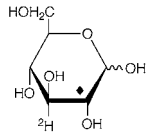
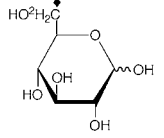
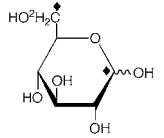
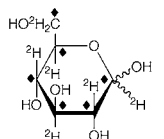
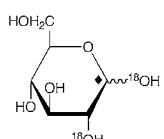
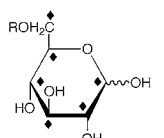
GLC-060	D-[4,5,6,6'- <sup>2</sup> H <sub>4</sub> ]glucose		
MW 184.18	C <sub>6</sub> <sup>2</sup> H <sub>4</sub> H <sub>8</sub> O <sub>6</sub>	[478529-49-6]	
	0.25 g	\$	955
	0.5 g	\$	1640
	1 g	\$	2915

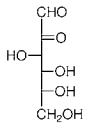
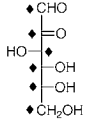
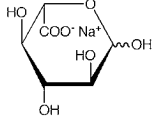
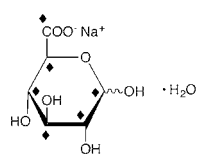
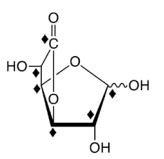
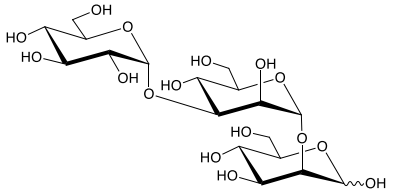
GLC-115	D-[UL- <sup>2</sup> H <sub>7</sub> ]glucose (D-[1,2,3,4,5,6,6'- <sup>2</sup> H <sub>7</sub> ]glucose)		
MW 187.20	C <sub>6</sub> <sup>2</sup> H <sub>7</sub> H <sub>5</sub> O <sub>6</sub>	[66034-51-3]	
	0.1 g	\$	155
	0.25 g	\$	225
	0.5 g	\$	370
	1 g	\$	610



<b>GLC-116</b>	<b>D-[UL-<sup>2</sup>H<sub>12</sub>]glucose</b> (D-[ <sup>2</sup> H <sub>12</sub> ]glucose)
MW 192.23	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> [50-99-7] <sup>UN</sup>
	
	0.1 g \$ 200
	0.25 g \$ 395
	0.5 g \$ 710
	1 g \$ 1175
<b>GLC-042</b>	<b>D-[1-<sup>18</sup>O]glucose</b>
MW 182.16	C <sub>6</sub> H <sub>12</sub> <sup>18</sup> OO <sub>5</sub> [3343-70-2]
>90 atom-% <sup>18</sup> O	
	
	0.1 g \$ 370
	0.25 g \$ 730
<b>GLC-126</b>	<b>D-[2-<sup>18</sup>O]glucose</b>
MW 182.16	C <sub>6</sub> H <sub>12</sub> <sup>18</sup> OO <sub>5</sub> [50-99-7] <sup>UN</sup>
>90 atom-% <sup>18</sup> O	
	
	0.1 g \$ 490
<b>GLC-127</b>	<b>D-[5-<sup>18</sup>O]glucose</b>
MW 182.16	C <sub>6</sub> H <sub>12</sub> <sup>18</sup> OO <sub>5</sub> [50-99-7] <sup>UN</sup>
>90 atom-% <sup>18</sup> O	
	
	0.1 g \$ 730
<b>GLC-128</b>	<b>D-[6-<sup>18</sup>O]glucose</b>
MW 182.16	C <sub>6</sub> H <sub>12</sub> <sup>18</sup> OO <sub>5</sub> [50-99-7] <sup>UN</sup>
>90 atom-% <sup>18</sup> O	
	
	0.05 g \$ 490
<b>GLC-165</b>	<b>D-[1,2-<sup>18</sup>O<sub>2</sub>]glucose</b>
MW 184.16	C <sub>6</sub> H <sub>12</sub> <sup>18</sup> O <sub>2</sub> O <sub>4</sub> [50-99-7] <sup>UN</sup>
	Request Price
<b>GLC-167</b>	<b>D-[3,4-<sup>18</sup>O<sub>2</sub>]glucose</b>
MW 184.16	C <sub>6</sub> H <sub>12</sub> <sup>18</sup> O <sub>2</sub> O <sub>4</sub> [50-99-7] <sup>UN</sup>
>90 atom-% <sup>18</sup> O	
	Request Price

<b>GLC-166</b>	<b>D-[5,6-<sup>18</sup>O<sub>2</sub>]glucose</b>
MW 184.16	C <sub>6</sub> H <sub>12</sub> <sup>18</sup> O <sub>2</sub> O <sub>4</sub> [50-99-7] <sup>UN</sup>
	Request Price
<b>GLC-168</b>	<b>D-[UL-<sup>18</sup>O<sub>6</sub>]glucose</b>
MW 192.16	C <sub>6</sub> H <sub>12</sub> <sup>18</sup> O <sub>6</sub> [50-99-7] <sup>UN</sup>
>90 atom-% <sup>18</sup> O	
	Request Price
<b>GLC-038</b>	<b>D-[1-<sup>13</sup>C;1-<sup>2</sup>H]glucose</b>
MW 182.16	<sup>13</sup> CC <sub>5</sub> <sup>2</sup> HH <sub>11</sub> O <sub>6</sub> [201136-45-0]
	
	0.25 g \$ 235
	0.5 g \$ 395
	1 g \$ 710
<b>GLC-039</b>	<b>D-[1-<sup>13</sup>C;2-<sup>2</sup>H]glucose</b>
MW 182.16	<sup>13</sup> CC <sub>5</sub> <sup>2</sup> HH <sub>11</sub> O <sub>6</sub> [201417-06-3]
	
	0.05 g \$ 200
	0.1 g \$ 305
	0.25 g \$ 610
	0.5 g \$ 1095
	1 g \$ 1945
<b>GLC-135</b>	<b>D-[1-<sup>13</sup>C;3-<sup>2</sup>H]glucose</b>
MW 182.16	<sup>13</sup> CC <sub>5</sub> <sup>2</sup> HH <sub>11</sub> O <sub>6</sub> [50-99-7] <sup>UN</sup>
	Request Price
<b>GLC-134</b>	<b>D-[2-<sup>13</sup>C;1-<sup>2</sup>H]glucose</b>
MW 182.16	<sup>13</sup> CC <sub>5</sub> <sup>2</sup> HH <sub>11</sub> O <sub>6</sub> [50-99-7] <sup>UN</sup>
	
	0.1 g \$ 250
	0.25 g \$ 490
	0.5 g \$ 880
	1 g \$ 1460
<b>GLC-069</b>	<b>D-[2-<sup>13</sup>C;2-<sup>2</sup>H]glucose</b>
MW 182.16	<sup>13</sup> CC <sub>5</sub> <sup>2</sup> HH <sub>11</sub> O <sub>6</sub> [50-99-7] <sup>UN</sup>
	
	0.05 g \$ 200
	0.1 g \$ 305
	0.25 g \$ 610
	0.5 g \$ 1095
	1 g \$ 1945

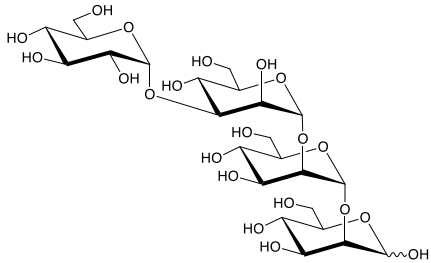
<b>GLC-136</b>	<b>D-[2-<sup>13</sup>C;3-<sup>2</sup>H]glucose</b>
MW 182.16	<sup>13</sup> CC <sub>5</sub> <sup>2</sup> HH <sub>11</sub> O <sub>6</sub> [50-99-7] <sup>UN</sup>
	Request Price
<b>GLC-040</b>	<b>D-[6-<sup>13</sup>C;6,6'-<sup>2</sup>H<sub>2</sub>]glucose</b>
MW 183.16	<sup>13</sup> CC <sub>5</sub> <sup>2</sup> H <sub>2</sub> H <sub>10</sub> O <sub>6</sub> [478529-33-8]
	
	0.05 g \$ 175
	0.1 g \$ 275
	0.25 g \$ 525
	0.5 g \$ 880
	1 g \$ 1460
<b>GLC-041</b>	<b>D-[1,6-<sup>13</sup>C<sub>2</sub>;6,6'-<sup>2</sup>H<sub>2</sub>]glucose</b>
MW 184.16	<sup>13</sup> C <sub>2</sub> C <sub>4</sub> <sup>2</sup> H <sub>2</sub> H <sub>10</sub> O <sub>6</sub> [157171-80-7]
	
	0.05 g \$ 200
	0.1 g \$ 305
	0.25 g \$ 610
	0.5 g \$ 1095
	1 g \$ 1945
<b>GLC-125</b>	<b>D-[UL-<sup>13</sup>C<sub>6</sub>;UL-<sup>2</sup>H<sub>7</sub>]glucose</b> (D-[UL- <sup>13</sup> C <sub>6</sub> ;1,2,3,4,5,6,6'- <sup>2</sup> H <sub>7</sub> ]glucose)
MW 193.15	<sup>13</sup> C <sub>6</sub> <sup>2</sup> H <sub>7</sub> H <sub>5</sub> O <sub>6</sub> [201417-01-8]
99 atom-% <sup>13</sup> C; 97 atom-% <sup>2</sup> H	
	
	0.1 g \$ 130
	0.25 g \$ 250
	0.5 g \$ 445
	1 g \$ 810
<b>GLC-129</b>	<b>D-[1-<sup>13</sup>C;1,2-<sup>18</sup>O<sub>2</sub>]glucose</b>
MW 185.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> <sup>18</sup> O <sub>2</sub> O <sub>4</sub> [50-99-7] <sup>UN</sup>
	Request Price
<b>glucose 1-phosphate</b> see glucopyranosyl 1-phosphate <i>page 62</i>	
<b>GLC-098</b>	<b>D-[UL-<sup>13</sup>C<sub>6</sub>]glucose 6-phosphate (disodium salt, hydrate)</b>
MW 310.05	<sup>13</sup> C <sub>6</sub> H <sub>11</sub> O <sub>9</sub> PNa <sub>2</sub> ·(H <sub>2</sub> O) <sub>x</sub> [3671-99-6] <sup>UN</sup>
MW is on anhydrous basis.	
	
	0.05 g \$ 430
	0.1 g \$ 710
	0.25 g \$ 1415
R = PO <sub>3</sub> <sup>-2</sup> Na <sub>2</sub> · <sup>2</sup>	

<b>GLC-130</b>	<b>D-glucosone</b> (D- <i>arabino</i> -hexos-2-ulose)
MW 178.14	C <sub>6</sub> H <sub>10</sub> O <sub>6</sub> [1854-25-7]
	Request Price
<b>GLC-140</b>	<b>D-[UL-<sup>13</sup>C<sub>6</sub>]glucosone</b> (D-[UL- <sup>13</sup> C <sub>6</sub> ] <i>arabino</i> -hexos-2-ulose)
MW 184.09	<sup>13</sup> C <sub>6</sub> H <sub>10</sub> O <sub>6</sub> [1854-25-7] <sup>UN</sup>
	Request Price
<b>GLC-106</b>	<b>L-glucuronic acid, sodium salt</b> (Sodium L-glucuronate)
MW 216.12	C <sub>6</sub> H <sub>9</sub> NaO <sub>7</sub>
	Request Price
<b>GLC-151</b>	<b>D-[UL-<sup>13</sup>C<sub>6</sub>]glucuronic acid sodium salt monohydrate</b> (Sodium D-[UL- <sup>13</sup> C <sub>6</sub> ]glucuronate monohydrate)
MW 240.09	<sup>13</sup> C <sub>6</sub> H <sub>9</sub> NaO <sub>7</sub> ·H <sub>2</sub> O
	
	0.1 g \$ 350
	0.25 g \$ 690
<b>glucuronic acid lactone</b> see glucurono-lactone <i>page 67</i>	
<b>GLC-152</b>	<b>D-[UL-<sup>13</sup>C<sub>6</sub>]glucurono-6,3-lactone</b> (D-[UL- <sup>13</sup> C <sub>6</sub> ]glucuronic acid γ-lactone)
MW 182.07	<sup>13</sup> C <sub>6</sub> H <sub>8</sub> O <sub>6</sub> [32449-92-6] <sup>UN</sup>
	Request Price
<b>TRI-030</b>	<b>Glcα-3Manα-2Man</b> (αD-Glcp(1→3)αD-Manp(1→2)D-Manp)
MW 504.44	C <sub>18</sub> H <sub>32</sub> O <sub>16</sub>
	Request Price

<b>TET-047</b>	<b>Glcα-3Manα-2Manα-2Man</b> (αD-Glcp(1→3)αD-Manp(1→2)αD-Manp(1→2)D-Manp)
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MW 666.58

C<sub>24</sub>H<sub>42</sub>O<sub>21</sub>

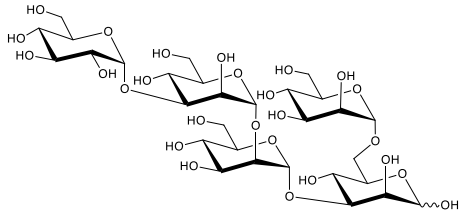


Request Price

<b>PEN-027</b>	<b>Glcα-3Manα-2Manα-3[Manα-6]Man</b> (αD-Glcp(1→3)αD-Manp(1→2)αD-Manp(1→3)[αD-Manp(1→6)]D-Manp)
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MW 828.72

C<sub>30</sub>H<sub>52</sub>O<sub>26</sub>

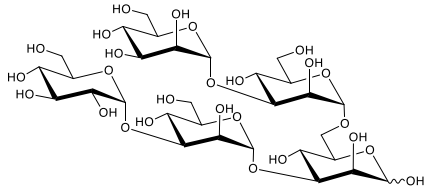


Request Price

<b>PEN-026</b>	<b>Glcα-3Manα-3[Manα-3Manα-6]Man</b> (αD-Glcp(1→3)αD-Manp(1→3)[αD-Manp(1→3)αD-Manp(1→6)]D-Manp)
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MW 828.72

C<sub>30</sub>H<sub>52</sub>O<sub>26</sub>

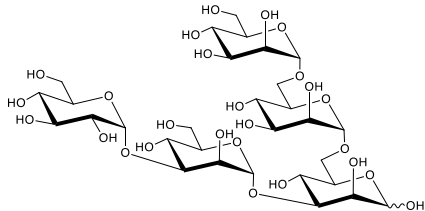


Request Price

<b>PEN-025</b>	<b>Glcα-3Manα-3[Manα-6Manα-6]Man</b> (αD-Glcp(1→3)αD-Manp(1→3)[αD-Manp(1→6)αD-Manp(1→6)]D-Manp)
----------------	--

MW 828.72

C<sub>30</sub>H<sub>52</sub>O<sub>26</sub>

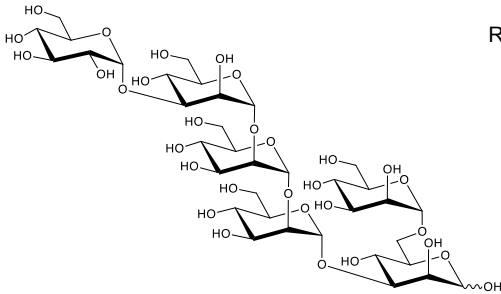


Request Price

<b>HEX-029</b>	<b>Glcα-3Manα-2Manα-2Manα-3[Manα-6]Man</b> (αD-Glcp(1→3)αD-Manp(1→2)αD-Manp(1→2)αD-Manp(1→3)[αD-Manp(1→6)]D-Manp)
----------------	--

MW 990.86

C<sub>36</sub>H<sub>62</sub>O<sub>31</sub>

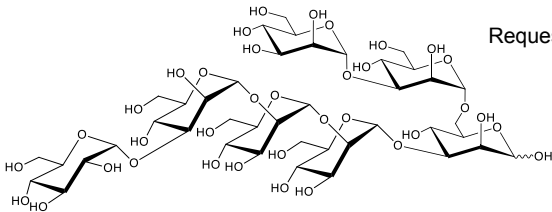


Request Price

<b>OLI-029</b>	<b>Glcα-3Manα-2Manα-2Manα-3[Manα-3Manα-6]Man</b> (αD-Glcp(1→3)αD-Manp(1→2)αD-Manp(1→2)αD-Manp(1→3)[αD-Manp(1→3)αD-Manp(1→6)]D-Manp)
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MW 1153.00

C<sub>42</sub>H<sub>72</sub>O<sub>36</sub>

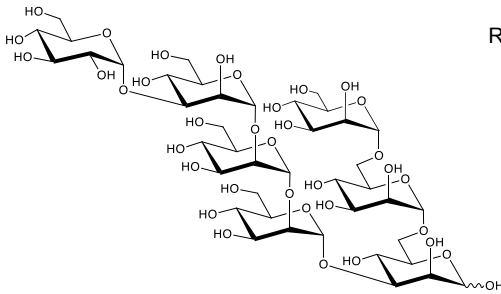


Request Price

<b>OLI-030</b>	<b>Glcα-3Manα-2Manα-2Manα-3[Manα-6Manα-6]Man</b> (αD-Glcp(1→3)αD-Manp(1→2)αD-Manp(1→2)αD-Manp(1→3)[αD-Manp(1→6)αD-Manp(1→6)]D-Manp)
----------------	--

MW 1153.00

C<sub>42</sub>H<sub>72</sub>O<sub>36</sub>

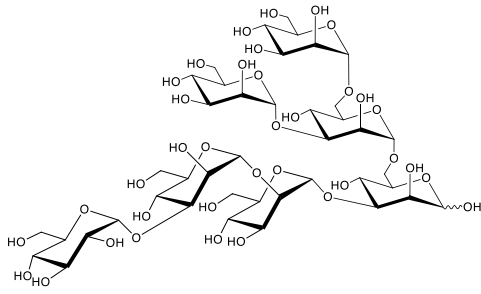


Request Price

<b>OLI-028</b>	<b>Glcα-3Manα-2Manα-3[Manα-3[Manα-6]Manα-6]Man</b> (αD-Glcp(1→3)αD-Manp(1→2)αD-Manp(1→3)[αD-Manp(1→3)[αD-Manp(1→6)]αD-Manp(1→6)]D-Manp)
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MW 1153.00

C<sub>42</sub>H<sub>72</sub>O<sub>36</sub>



Request Price

<b>GlcNAc-(β1,N)-Asn</b> <i>see N-acetylglucosamine-(1,N)-Asn page 22</i>
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<b>(GlcNAc)x</b> <i>see N-acetylglucosamine oligomers page 22</i>
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<b>GLE-013</b>	<b>D-glyceraldehyde</b> (D-2,3-dihydroxypropanal)
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MW 90.08

C<sub>3</sub>H<sub>6</sub>O<sub>3</sub>

[453-17-8]

*Supplied as an aqueous solution.*



0.5	g	\$	100
1	g	\$	165

<b>GLE-015</b>	<b>L-glyceraldehyde</b> (L-2,3-dihydroxypropanal)
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MW 90.08

C<sub>3</sub>H<sub>6</sub>O<sub>3</sub>

[497-09-6]

*Supplied as an aqueous solution.*



Request Price

<b>GLE-001</b>	<b>DL-[1-<sup>13</sup>C]glyceraldehyde</b> (DL-[1- <sup>13</sup> C]2,3-dihydroxypropanal)
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MW 91.07

<sup>13</sup>CC<sub>2</sub>H<sub>6</sub>O<sub>3</sub>

[70849-18-2]

*Supplied as an aqueous solution.*



0.25	g	\$	250
0.5	g	\$	405
1	g	\$	675

<b>GLE-002</b>	<b>DL-[2-<sup>13</sup>C]glyceraldehyde</b> (DL-[2- <sup>13</sup> C]2,3-dihydroxypropanal)
----------------	--

MW 91.07

<sup>13</sup>CC<sub>2</sub>H<sub>6</sub>O<sub>3</sub>

[71122-43-5]

*Supplied as an aqueous solution.*



0.25	g	\$	205
0.5	g	\$	350
1	g	\$	610

<b>GLE-003</b>	<b>D-[3-<sup>13</sup>C]glyceraldehyde</b> (D-[3- <sup>13</sup> C]2,3-dihydroxypropanal)
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MW 91.07

<sup>13</sup>CC<sub>2</sub>H<sub>6</sub>O<sub>3</sub>

[478529-50-9]

*Supplied as an aqueous solution.*



0.1	g	\$	525
0.25	g	\$	1075
0.5	g	\$	1825
1	g	\$	3220

<b>GLE-004</b>	<b>DL-[1,2-<sup>13</sup>C<sub>2</sub>]glyceraldehyde</b> (DL-[1,2- <sup>13</sup> C <sub>2</sub> ]2,3-dihydroxypropanal)
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MW 92.06

<sup>13</sup>C<sub>2</sub>CH<sub>6</sub>O<sub>3</sub>

[478529-51-0]

*Supplied as an aqueous solution.*



0.25	g	\$	540
0.5	g	\$	880
1	g	\$	1460

<b>GLE-005</b>	<b>DL-[1,3-<sup>13</sup>C<sub>2</sub>]glyceraldehyde</b> (DL-[1,3- <sup>13</sup> C <sub>2</sub> ]2,3-dihydroxypropanal)
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MW 92.06

<sup>13</sup>C<sub>2</sub>CH<sub>6</sub>O<sub>3</sub>

[478529-53-2]

*Supplied as an aqueous solution.*



0.25	g	\$	640
0.5	g	\$	1025
1	g	\$	1705

<b>GLE-006</b>	<b>D-[1,2,3-<sup>13</sup>C<sub>3</sub>]glyceraldehyde</b> (D-[1,2,3- <sup>13</sup> C <sub>3</sub> ]2,3-dihydroxypropanal)
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MW 93.06

<sup>13</sup>C<sub>3</sub>H<sub>6</sub>O<sub>3</sub>

[478529-54-3]

*Supplied as an aqueous solution.*



0.1	g	\$	350
0.25	g	\$	675
0.5	g	\$	1095
1	g	\$	1825

<b>GLE-007</b>	<b>DL-[1,2,3-<sup>13</sup>C<sub>3</sub>]glyceraldehyde</b> (DL-[1,2,3- <sup>13</sup> C <sub>3</sub> ]2,3-dihydroxypropanal)
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MW 93.06

<sup>13</sup>C<sub>3</sub>H<sub>6</sub>O<sub>3</sub>

[478529-56-5]

*Supplied as an aqueous solution.*



0.25	g	\$	675
0.5	g	\$	1095
1	g	\$	1825

<b>GLE-008</b>	<b>DL-[1-<sup>2</sup>H]glyceraldehyde</b> (DL-[1- <sup>2</sup> H]2,3-dihydroxypropanal)
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MW 91.08


C<sub>3</sub><sup>2</sup>HH<sub>5</sub>O<sub>3</sub>


[72599-69-0]


*Supplied as an aqueous solution.*




0.25	g	\$	370
0.5	g	\$	580
1	g	\$	915

GLE-012	D-[2- <sup>2</sup> H]glyceraldehyde (D-[2- <sup>2</sup> H]2,3-dihydroxypropanal)			
MW 91.08	C <sub>3</sub> <sup>2</sup> HH <sub>5</sub> O <sub>3</sub>	[478529-64-5]		
<i>Supplied as an aqueous solution.</i>				
		0.25 g	\$	810
		0.5 g	\$	1400
		1 g	\$	2430

GLE-009	D-[3,3'- <sup>2</sup> H <sub>2</sub> ]glyceraldehyde (D-[3,3'- <sup>2</sup> H <sub>2</sub> ]2,3-dihydroxypropanal)			
MW 92.09	C <sub>3</sub> <sup>2</sup> H <sub>2</sub> H <sub>4</sub> O <sub>3</sub>	[478529-58-7]		
<i>Supplied as an aqueous solution.</i>				
		0.25 g	\$	505
		0.5 g	\$	810
		1 g	\$	1340


GLE-010	D-[1,2,3,3'- <sup>2</sup> H <sub>4</sub> ]glyceraldehyde (D-[1,2,3,3'- <sup>2</sup> H <sub>4</sub> ]2,3-dihydroxypropanal)			
MW 94.10	C <sub>3</sub> <sup>2</sup> H <sub>4</sub> H <sub>2</sub> O <sub>3</sub>	[478529-60-1]		
<i>Supplied as an aqueous solution.</i>				
		0.1 g	\$	2385
		0.25 g	\$	4765


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


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


D-glycero-D-galactoheptose
see mannoheptose <i>page 80</i>


D-glycero-D-guloheptonic acid
see α-D-glucoheptonic acid <i>page 61</i>


ALD-021	D-[1- <sup>13</sup> C]glycerol			
MW 93.09	<sup>13</sup> CC <sub>2</sub> H <sub>8</sub> O <sub>3</sub>	[56-81-5] <sup>UN</sup>		
<i>Supplied as an aqueous solution.</i>				
		0.25 g	\$	525
		0.5 g	\$	830
		1 g	\$	1340


ALD-022	DL-[1- <sup>13</sup> C]glycerol			
MW 93.09	<sup>13</sup> CC <sub>2</sub> H <sub>8</sub> O <sub>3</sub>	[98292-00-3]		
<i>Supplied as an aqueous solution.</i>				
		0.25 g	\$	165
		0.5 g	\$	265
		1 g	\$	430

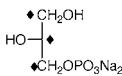
ALD-023	[2- <sup>13</sup> C]glycerol			
MW 93.09	<sup>13</sup> CC <sub>2</sub> H <sub>8</sub> O <sub>3</sub>	[82425-96-5]		
<i>Supplied as an aqueous solution.</i>				
		0.25 g	\$	175
		0.5 g	\$	285
		1 g	\$	490

ALD-024	D-[3- <sup>13</sup> C]glycerol			
MW 93.09	<sup>13</sup> CC <sub>2</sub> H <sub>8</sub> O <sub>3</sub>	[154278-20-3]		
<i>Supplied as an aqueous solution.</i>				
		0.25 g	\$	785
		0.5 g	\$	1270
		1 g	\$	2065


ALD-025	[1,3- <sup>13</sup> C <sub>2</sub> ]glycerol			
MW 94.08	<sup>13</sup> C <sub>2</sub> CH <sub>8</sub> O <sub>3</sub>	[102088-01-7]		
<i>Supplied as an aqueous solution.</i>				
		0.25 g	\$	820
		0.5 g	\$	1295
		1 g	\$	2065


ALD-026	[1,2,3- <sup>13</sup> C <sub>3</sub> ]glycerol			
MW 95.07	<sup>13</sup> C <sub>3</sub> H <sub>8</sub> O <sub>3</sub>	[63346-81-6]		
<i>Supplied as an aqueous solution.</i>				
		0.25 g	\$	525
		0.5 g	\$	830
		1 g	\$	1340


ALD-084	[2- <sup>2</sup> H]glycerol			
MW 93.10	C <sub>3</sub> H <sub>7</sub> <sup>2</sup> HO <sub>3</sub>	98		
		0.1 g	\$	225

ALD-079	sn-[UL- <sup>13</sup> C <sub>3</sub> ]glycerol 3-phosphate disodium salt (L-[UL- <sup>13</sup> C <sub>3</sub> ]glycerol 3-phosphate disodium salt)			
MW 219.01	<sup>13</sup> C <sub>3</sub> H <sub>7</sub> Na <sub>2</sub> O <sub>6</sub> P	[17989-41-2]		
<i>Supplied as an aqueous solution. CAS is for unlabeled, free acid compound.</i>				
		0.01 g	\$	175
		0.025 g	\$	350
		0.05 g	\$	640

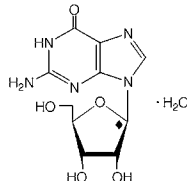
<i>glycero</i> -tetrulose
see erythrulose <i>page 45</i>

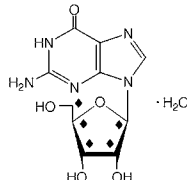
GLO-001	[1- <sup>13</sup> C]glycolaldehyde			
MW 61.05	<sup>13</sup> CCH <sub>4</sub> O <sub>2</sub>	[71122-42-4]		
<i>Supplied as an aqueous solution.</i>				
		0.25 g	\$	420
		0.5 g	\$	700
		1 g	\$	1175

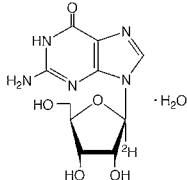
GLO-002	[2- <sup>13</sup> C]glycolaldehyde			
MW 61.05	<sup>13</sup> CCH <sub>4</sub> O <sub>2</sub>	[478529-67-8]		
<i>Supplied as an aqueous solution.</i>				
		0.25 g	\$	795
		0.5 g	\$	1315
		1 g	\$	2185

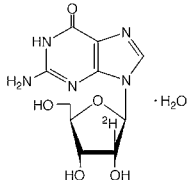
GLO-003	[1,2- <sup>13</sup> C <sub>2</sub> ]glycolaldehyde			
MW 62.04	<sup>13</sup> C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	[478529-69-0]		
<i>Supplied as an aqueous solution.</i>				
		0.25 g	\$	835
		0.5 g	\$	1390
		1 g	\$	2305

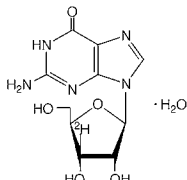
GM3 trisaccharide sodium salt
see sialyl-lactose <i>page 10</i>

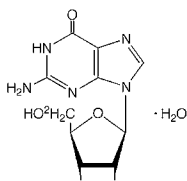
NUC-042	[1'- <sup>13</sup> C]guanosine monohydrate			
MW 302.25	<sup>13</sup> CC <sub>9</sub> H <sub>13</sub> N <sub>5</sub> O <sub>5</sub> ·H <sub>2</sub> O	[478511-32-9]		
		0.05 g	\$	1070
		0.1 g	\$	1970

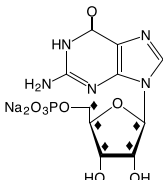
NUC-063	[1',2',3',4',5'- <sup>13</sup> C <sub>5</sub> ]guanosine mono-hydrate			
MW 306.22	<sup>13</sup> C <sub>5</sub> C <sub>5</sub> H <sub>13</sub> N <sub>5</sub> O <sub>5</sub> ·H <sub>2</sub> O	[118-00-3] <sup>UN</sup>		
		0.01 g	\$	445
		0.025 g	\$	880
		0.05 g	\$	1610
		0.1 g	\$	3035

NUC-051	[1'- <sup>2</sup> H]guanosine monohydrate			
MW 302.26	C <sub>10</sub> <sup>2</sup> HH <sub>12</sub> N <sub>5</sub> O <sub>5</sub> ·H <sub>2</sub> O	[118-00-3] <sup>UN</sup>		
		0.05 g	\$	1095
		0.1 g	\$	2025

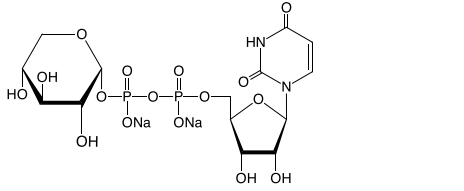
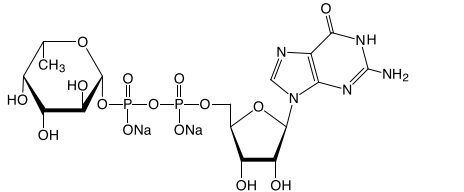
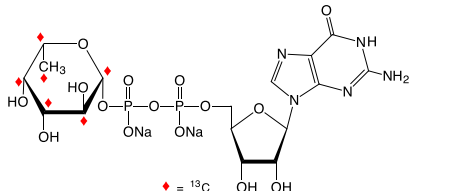
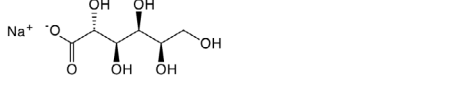

NUC-065	[2'- <sup>2</sup> H]guanosine monohydrate			
MW 302.26	C <sub>10</sub> <sup>2</sup> HH <sub>12</sub> N <sub>5</sub> O <sub>5</sub> ·H <sub>2</sub> O	[118-00-3] <sup>UN</sup>		
<i>97 atom-% <sup>2</sup>H</i>				
		0.025 g	\$	730

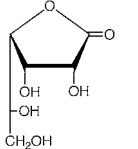
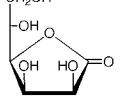
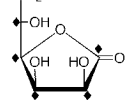
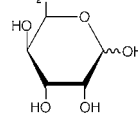
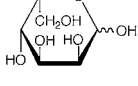
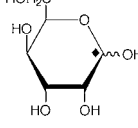
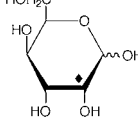
NUC-066	[3'- <sup>2</sup> H]guanosine monohydrate			
MW 302.26	C <sub>10</sub> <sup>2</sup> HH <sub>12</sub> N <sub>5</sub> O <sub>5</sub> ·H <sub>2</sub> O	[118-00-3] <sup>UN</sup>		
<i>97 atom-% <sup>2</sup>H</i>				
		Request Price		

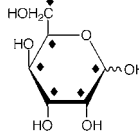
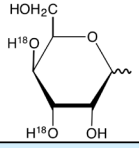
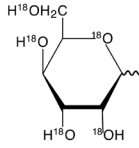
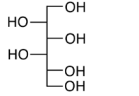
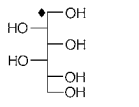
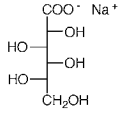
NUC-043	[5',5''- <sup>2</sup> H <sub>2</sub> ]guanosine monohydrate			
MW 303.27	C <sub>10</sub> <sup>2</sup> H <sub>2</sub> H <sub>11</sub> N <sub>5</sub> O <sub>5</sub> ·H <sub>2</sub> O	[478511-34-1]		
		0.05 g	\$	1070
		0.1 g	\$	1970

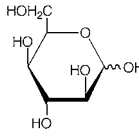
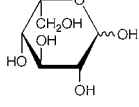
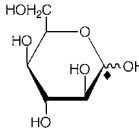
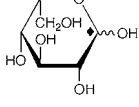
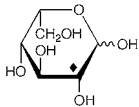
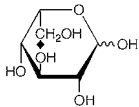
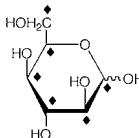
NCT-005	[1',2',3',4',5'- <sup>13</sup> C <sub>5</sub> ]guanosine 5'-monophosphate disodium salt hydrate ([1',2',3',4',5'- <sup>13</sup> C <sub>5</sub> ]5'-guanylic acid disodium salt hydrate)			
MW 412.20	<sup>13</sup> C <sub>5</sub> C <sub>5</sub> H <sub>12</sub> N <sub>5</sub> Na <sub>2</sub> O <sub>8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

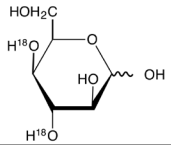
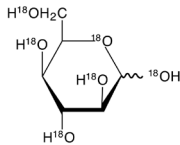
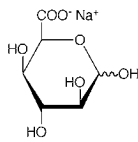
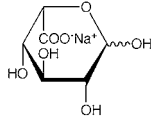
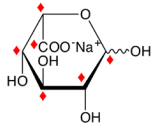
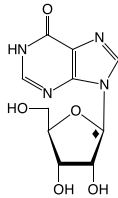


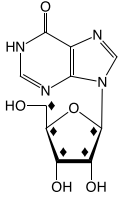
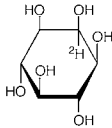
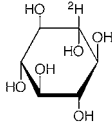
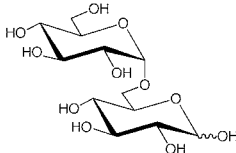
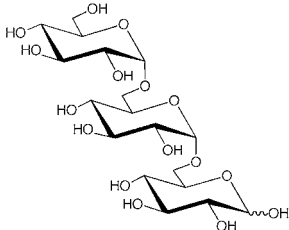
<b>NTS-015</b>	<b>Uridine 5'-diphosphoxylase, sodium salt</b> (UDP-Xylose, disodium salt)
MW 580.24	C <sub>14</sub> H <sub>20</sub> N <sub>2</sub> O <sub>16</sub> P <sub>2</sub> Na <sub>2</sub> [108320-89-4]
	Request Price
<b>NTS-013</b>	<b>guanosine diphosphate-β-L-fucose, disodium salt</b> (GDP-β-L-fucose, disodium salt)
MW 633.31	C <sub>16</sub> H <sub>23</sub> N <sub>5</sub> Na <sub>2</sub> O <sub>15</sub> P <sub>2</sub> [15839-70-0]
	Request Price
<b>NTS-014</b>	<b>guanosine diphosphate-β-L-[UL-<sup>13</sup>C<sub>6</sub>] fucose, disodium salt</b> (GDP-β-L-[UL- <sup>13</sup> C <sub>6</sub> ]fucose, disodium salt)
MW 639.26	<sup>13</sup> C <sub>6</sub> C <sub>10</sub> H <sub>23</sub> N <sub>5</sub> Na <sub>2</sub> O <sub>15</sub> P <sub>2</sub> [15839-70-0] <sup>UN</sup>
	Request Price
<b>GUL-019</b>	<b>D-gulonic acid, sodium salt</b> (Sodium D-gulonate)
MW 218.14	C <sub>6</sub> H <sub>11</sub> NaO <sub>7</sub> CAS for D-gulonic acid 20246-33-7
	Request Price
<b>GUL-014</b>	<b>L-gulonic acid, sodium salt</b> (Sodium L-gulonate)
MW 218.14	C <sub>6</sub> H <sub>11</sub> NaO <sub>7</sub>
	Request Price
<b>gulonic acid lactone</b>	see gulono-lactone <i>page 72</i>

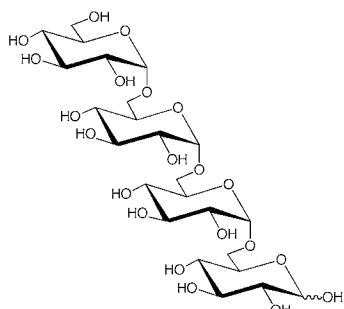
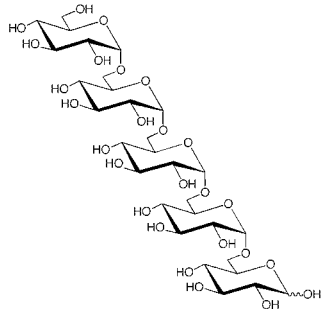
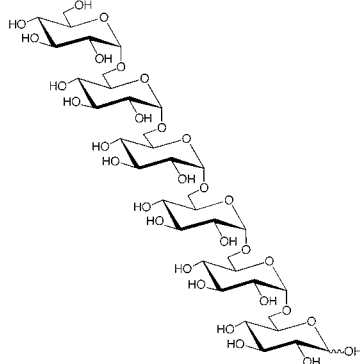
<b>GUL-012</b>	<b>D-gulono-1,4-lactone</b> (D-gulonic acid γ-lactone)
MW 178.14	C <sub>6</sub> H <sub>10</sub> O <sub>6</sub> [6322-07-2]
	1 g \$ 100
<b>GUL-011</b>	<b>L-gulono-1,4-lactone</b> (L-gulonic acid γ-lactone)
MW 178.14	C <sub>6</sub> H <sub>10</sub> O <sub>6</sub> [1128-23-0]
	1 g \$ 100
<b>GUL-015</b>	<b>L-[UL-<sup>13</sup>C<sub>6</sub>]gulono-1,4-lactone</b> (L-[UL- <sup>13</sup> C <sub>6</sub> ]gulonic acid γ-lactone)
MW 184.09	<sup>13</sup> C <sub>6</sub> H <sub>10</sub> O <sub>6</sub> [1128-23-0] <sup>UN</sup>
	Request Price
<b>GUL-003</b>	<b>D-gulose</b>
MW 180.16	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> [4205-23-6]
	0.25 g \$ 210 0.5 g \$ 360 1 g \$ 610
<b>GUL-004</b>	<b>L-gulose</b>
MW 180.16	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> [6027-89-0]
	0.25 g \$ 275 0.5 g \$ 460 1 g \$ 785
<b>GUL-001</b>	<b>D-[1-<sup>13</sup>C]gulose</b>
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [70849-25-1]
	0.25 g \$ 250 0.5 g \$ 430 1 g \$ 730
<b>GUL-002</b>	<b>D-[2-<sup>13</sup>C]gulose</b>
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [478529-73-6]
	0.25 g \$ 370 0.5 g \$ 625 1 g \$ 1065

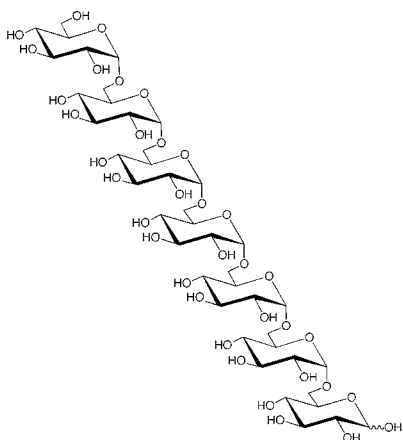
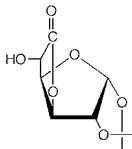
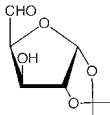
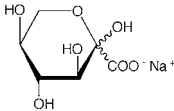
<b>GUL-013</b>	<b>D-[UL-<sup>13</sup>C<sub>6</sub>]gulose</b>
MW 186.11	<sup>13</sup> C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> [4205-23-6] <sup>UN</sup>
	0.05 g \$ 370 0.1 g \$ 690
<b>GUL-017</b>	<b>D-[3,4-<sup>18</sup>O<sub>2</sub>]gulose</b>
MW 184.16	C <sub>6</sub> H <sub>12</sub> <sup>18</sup> O <sub>2</sub> O <sub>4</sub> [4205-23-6] <sup>UN</sup>
>90 atom-% <sup>18</sup> O	Request Price
	
<b>GUL-018</b>	<b>D-[UL-<sup>18</sup>O<sub>6</sub>]gulose</b>
MW 192.16	C <sub>6</sub> H <sub>12</sub> <sup>18</sup> O <sub>6</sub> [4205-23-6] <sup>UN</sup>
>90 atom-% <sup>18</sup> O	Request Price
	
<b>hexaacetylchitohexaose</b>	see N-acetylglucosamine oligomers <i>page 22</i>
<b>ALD-088</b>	<b>D-iditol</b>
MW 182.17	C <sub>6</sub> H <sub>14</sub> O <sub>6</sub> [25878-23-3]
	Request Price
<b>ALD-027</b>	<b>D-[1-<sup>13</sup>C]iditol</b>
MW 183.17	<sup>13</sup> CC <sub>5</sub> H <sub>14</sub> O <sub>6</sub> [25878-23-3] <sup>UN</sup>
	0.25 g \$ 360 0.5 g \$ 610 1 g \$ 1035
<b>IDO-017</b>	<b>L-idonic acid, sodium salt</b> (Sodium L-idonate)
MW 218.14	C <sub>6</sub> H <sub>11</sub> NaO <sub>7</sub>
	0.1 g \$ 225 0.25 g \$ 430 0.5 g \$ 730 1 g \$ 1340

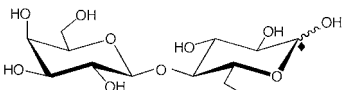
<b>IDO-004</b>	<b>D-idose</b>
MW 180.16	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> [5978-95-0]
<i>Supplied as an aqueous solution.</i>	
	0.25 g \$ 280 0.5 g \$ 465 1 g \$ 795
<b>IDO-005</b>	<b>L-idose</b>
MW 180.16	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> [5934-56-5]
<i>Supplied as an aqueous solution.</i>	
	0.25 g \$ 385 0.5 g \$ 610 1 g \$ 1050
<b>IDO-006</b>	<b>D-[1-<sup>13</sup>C]idose</b>
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [5978-95-0] <sup>UN</sup>
<i>Supplied as an aqueous solution.</i>	
	Request Price
<b>IDO-001</b>	<b>L-[1-<sup>13</sup>C]idose</b>
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [5934-56-5] <sup>UN</sup>
<i>Supplied as an aqueous solution.</i>	
	0.25 g \$ 385 0.5 g \$ 610 1 g \$ 1025
<b>IDO-002</b>	<b>L-[2-<sup>13</sup>C]idose</b>
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [5934-56-5] <sup>UN</sup>
<i>Supplied as an aqueous solution.</i>	
	0.25 g \$ 445 0.5 g \$ 710 1 g \$ 1185
<b>IDO-003</b>	<b>L-[6-<sup>13</sup>C]idose</b>
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [115973-80-3]
<i>Supplied as an aqueous solution.</i>	
	0.25 g \$ 345 0.5 g \$ 585 1 g \$ 975
<b>IDO-016</b>	<b>D-[UL-<sup>13</sup>C<sub>6</sub>]idose</b>
MW 186.11	<sup>13</sup> C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> [5978-95-0] <sup>UN</sup>
<i>Supplied as an aqueous solution.</i>	
	0.05 g \$ 370 0.1 g \$ 690

<b>IDO-019</b>	<b>D-[3,4-<sup>18</sup>O<sub>2</sub>]idose</b>
MW 184.16 <i>&gt;90 atom-% <sup>18</sup>O Supplied as an aqueous solution.</i>	C <sub>6</sub> H <sub>12</sub> <sup>18</sup> O <sub>4</sub> [5978-95-0] <sup>UN</sup>
	Request Price
<b>IDO-020</b>	<b>D-[UL-<sup>18</sup>O<sub>6</sub>]idose</b>
MW 192.16 <i>&gt;90 atom-% <sup>18</sup>O</i>	C <sub>6</sub> H <sub>12</sub> <sup>18</sup> O <sub>6</sub> [5978-95-0] <sup>UN</sup>
	Request Price
<b>IDO-013</b>	<b>D-iduronic acid, sodium salt</b> (Sodium D-iduronate)
MW 216.12	C <sub>6</sub> H <sub>9</sub> NaO <sub>7</sub> 0.05 g \$ 250
	
<b>IDO-014</b>	<b>L-iduronic acid, sodium salt</b> (Sodium L-iduronate)
MW 216.12	C <sub>6</sub> H <sub>9</sub> NaO <sub>7</sub> [2073-35-0]
	Request Price
<b>IDO-018</b>	<b>L-[UL-<sup>13</sup>C<sub>6</sub>]iduronic acid, sodium salt</b> (Sodium L-[UL- <sup>13</sup> C <sub>6</sub> ]iduronate)
MW 222.07	<sup>13</sup> C <sub>6</sub> H <sub>9</sub> NaO <sub>7</sub> [2073-35-0] <sup>UN</sup>
	Request Price
<b>NUC-074</b>	<b>[1'-<sup>13</sup>C]inosine</b>
MW 269.22	<sup>13</sup> CC <sub>9</sub> H <sub>12</sub> N <sub>4</sub> O <sub>5</sub> [58-63-9] <sup>UN</sup>
	Request Price

<b>NUC-072</b>	<b>[1',2',3',4',5'-<sup>13</sup>C<sub>5</sub>]inosine</b>
MW 273.19	<sup>13</sup> C <sub>5</sub> C <sub>5</sub> H <sub>12</sub> N <sub>4</sub> O <sub>5</sub> [58-63-9] <sup>UN</sup>
	0.01 g \$ 305 0.025 g \$ 610 0.05 g \$ 1005 0.1 g \$ 1825
<b>ALD-028</b>	<b>[2-<sup>2</sup>H]myo-inositol</b>
MW 181.16	C <sub>6</sub> <sup>2</sup> HH <sub>11</sub> O <sub>6</sub> [87-89-8] <sup>UN</sup>
	0.05 g \$ 280 0.1 g \$ 465 0.25 g \$ 915
<b>ALD-066</b>	<b>[1-<sup>2</sup>H]scyllo-inositol</b>
MW 181.16	C <sub>6</sub> <sup>2</sup> HH <sub>11</sub> O <sub>6</sub> [488-59-5] <sup>UN</sup>
	0.05 g \$ 280 0.1 g \$ 465 0.25 g \$ 915
<b>DIS-014</b>	<b>isomaltose</b> (6-O-α-D-glucopyranosyl-D-glucose)
MW 342.30	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub> [499-40-1]
	0.1 g \$ 160 0.25 g \$ 315 0.5 g \$ 525 1 g \$ 840
<b>TRI-013</b>	<b>isomaltotriose</b> (αD-Glcp(1→6)αD-Glcp(1→6)D-Glcp)
MW 504.44	C <sub>18</sub> H <sub>32</sub> O <sub>16</sub> [3371-50-4]
	Request Price

<b>TET-012</b>	<b>isomaltotetraose</b> (αD-Glcp(1→6)αD-Glcp(1→6)αD-Glcp(1→6)D-Glcp)
MW 666.58	C <sub>24</sub> H <sub>42</sub> O <sub>21</sub> [35997-20-7]
	0.05 g \$ 305 0.1 g \$ 490 0.25 g \$ 975
<b>PEN-010</b>	<b>isomaltopentaose</b> (Glcα-6Glcα-6Glcα-6Glcα-6Glc)
MW 828.72	C <sub>30</sub> H <sub>52</sub> O <sub>26</sub> [6082-32-2]
	0.005 g \$ 275 0.01 g \$ 445 0.025 g \$ 880 0.05 g \$ 1655
<b>HEX-006</b>	<b>isomaltohexaose</b> (Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glc)
MW 990.86	C <sub>36</sub> H <sub>62</sub> O <sub>31</sub> [6175-02-6]
	0.01 g \$ 610

<b>OLI-004</b>	<b>isomaltoheptaose</b> (Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glcα-6Glc)
MW 1153.00	C <sub>42</sub> H <sub>72</sub> O <sub>36</sub> [6513-12-8]
	0.01 g \$ 1095
<b>GLC-043</b>	<b>1,2-O-isopropylidene-α-D-glucurono-6,3-lactone</b>
MW 216.19	C <sub>9</sub> H <sub>12</sub> O <sub>6</sub> [20513-98-8]
	0.5 g \$ 100 1 g \$ 185
<b>XYL-002</b>	<b>1,2-O-isopropylidene-α-D-xylo-pentodialdo-1,4-furanose</b>
MW 188.18	C <sub>8</sub> H <sub>12</sub> O <sub>5</sub> [53167-11-6] <i>Supplied as a crystalline dimer, MW 376.4.</i>
	0.5 g \$ 100 1 g \$ 185
<b>isorbide</b> see dianhydro D-glucitol <a href="#">page 44</a>	
<b>2-keto-3-deoxy-glucose</b> see 3-deoxy-D-glucosone <a href="#">page 42</a>	
<b>2-keto-D-glucose</b> see glucosone <a href="#">page 67</a>	
<b>GUL-016</b>	<b>2-keto-L-gulonic acid, sodium salt</b>
MW 216.12	C <sub>6</sub> H <sub>9</sub> NaO <sub>7</sub>
	0.5 g \$ 370 1 g \$ 610
<b>2-keto-L-xylose</b> see xylosone <a href="#">page 116</a>	


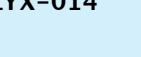
LAC-002			[1- <sup>13</sup> C <sub>9</sub> l]lactose monohydrate		
			(4-O-β-D-galactopyranosyl-D-[1- <sup>13</sup> C]glucose)		
MW 361.31	<sup>13</sup> CC <sub>11</sub> H <sub>22</sub> O <sub>11</sub> ·H <sub>2</sub> O	[287100-62-3]			
			0.1 g	\$ 470	
			0.25 g	\$ 930	
			0.5 g	\$ 1655	
			1 g	\$ 2915	

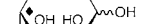
**TET-045**      **lacto-*N*-tetraose**

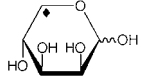
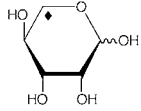
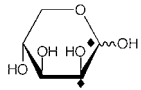
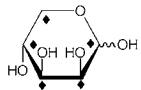
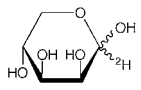
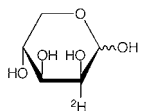
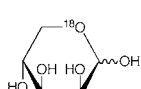
( $\beta$ D-Galp(1 $\rightarrow$ 3) $\beta$ D-GlcpNAc(1 $\rightarrow$ 3) $\beta$ D-Galp(1 $\rightarrow$ 4)D-Glcp)

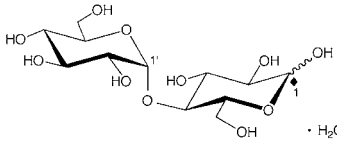
MW 707.63      C<sub>26</sub>H<sub>45</sub>NO<sub>21</sub>      [14116-68-8]

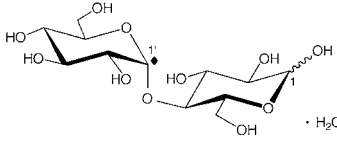
Request Price

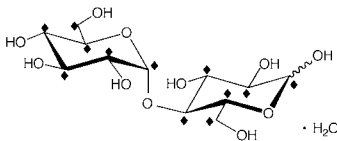
	<p><b>LYX-014</b></p> <p><b>L-lyxono-1,4-lactone</b></p> <p>(L-lyxonic acid <math>\gamma</math>-lactone)</p>	
<p>MW 148.11</p>	<p><math>C_5H_8O_5</math></p>	<p>[104196-15-8]</p>
		<p>0.25 g    \$ 490</p>

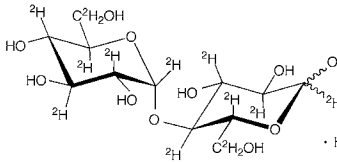
<b>LYX-018</b>	<b>D-[4-<sup>13</sup>C]lyxose</b>	
MW 151.12	<sup>13</sup> CC <sub>4</sub> H <sub>10</sub> O <sub>5</sub>	[1114-34-7] <sup>UN</sup>
		Request Price

<b>LYX-003</b>		<b>D-[5-<sup>13</sup>C]lyxose</b>	
MW 151.12	<sup>13</sup> CC <sub>4</sub> H <sub>10</sub> O <sub>5</sub>	[139657-61-7]	
		0.25 g	\$ 795
		0.5 g	\$ 1155
		1 g	\$ 1945
<b>LYX-009</b>		<b>L-[5-<sup>13</sup>C]lyxose</b>	
MW 151.12	<sup>13</sup> CC <sub>4</sub> H <sub>10</sub> O <sub>5</sub>	[1949-78-6] <sup>UN</sup>	
		0.1 g	\$ 955
		0.25 g	\$ 2220
<b>LYX-004</b>		<b>D-[1,2-<sup>13</sup>C<sub>2</sub>]lyxose</b>	
MW 152.11	<sup>13</sup> C <sub>2</sub> C <sub>3</sub> H <sub>10</sub> O <sub>5</sub>	[1114-34-7] <sup>UN</sup>	
		0.25 g	\$ 460
		0.5 g	\$ 770
		1 g	\$ 1340
<b>LYX-010</b>		<b>D-[UL-<sup>13</sup>C<sub>5</sub>]lyxose</b>	
MW 155.09	<sup>13</sup> C <sub>5</sub> H <sub>10</sub> O <sub>5</sub>	[1114-34-7] <sup>UN</sup>	
		0.25 g	\$ 710
		0.5 g	\$ 1280
		1 g	\$ 2305
<b>LYX-005</b>		<b>D-[1-<sup>2</sup>H]lyxose</b>	
MW 151.14	C <sub>5</sub> <sup>2</sup> HH <sub>9</sub> O <sub>5</sub>	[288846-88-8]	
		0.25 g	\$ 275
		0.5 g	\$ 445
		1 g	\$ 730
<b>LYX-006</b>		<b>D-[2-<sup>2</sup>H]lyxose</b>	
MW 151.14	C <sub>5</sub> <sup>2</sup> HH <sub>9</sub> O <sub>5</sub>	[1114-34-7] <sup>UN</sup>	
		0.25 g	\$ 295
		0.5 g	\$ 490
		1 g	\$ 855
<b>LYX-019</b>		<b>D-[5-<sup>18</sup>O]lyxose</b>	
MW 152.13	C <sub>5</sub> H <sub>10</sub> <sup>18</sup> OO <sub>4</sub>	[1114-34-7] <sup>UN</sup>	
<i>&gt;90 atom-% <sup>18</sup>O</i>			
		Request Price	

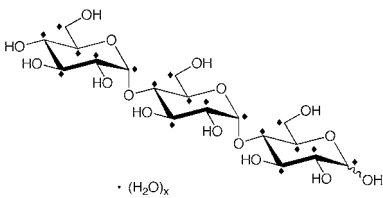
<b>MAL-001</b>		<b>[1-<sup>13</sup>C]maltose monohydrate</b>	
		(4-O-α-D-glucopyranosyl-D-[1- <sup>13</sup> C]glucose)	
MW 361.31	<sup>13</sup> CC <sub>11</sub> H <sub>22</sub> O <sub>11</sub> ·H <sub>2</sub> O	[6363-53-7] <sup>UN</sup>	
		0.05 g	\$ 350
		0.1 g	\$ 550
		0.25 g	\$ 1085
		0.5 g	\$ 2055
		1 g	\$ 3915

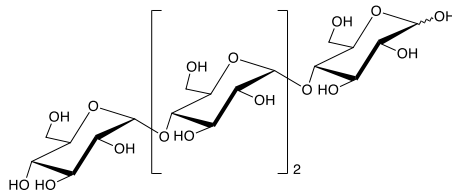
<b>MAL-003</b>		<b>[1'-<sup>13</sup>C]maltose monohydrate</b>	
		(4-O-α-D-[1- <sup>13</sup> C]glucopyranosyl-D-glucose)	
MW 361.31	<sup>13</sup> CC <sub>11</sub> H <sub>22</sub> O <sub>11</sub> ·H <sub>2</sub> O	[6363-53-7] <sup>UN</sup>	
		Request Price	

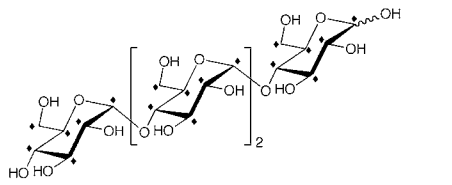
<b>MAL-002</b>		<b>[UL-<sup>13</sup>C<sub>12</sub>]maltose monohydrate</b>	
		(4-O-α-D-[UL- <sup>13</sup> C <sub>6</sub> ]glucopyranosyl-D-[UL- <sup>13</sup> C <sub>6</sub> ]glucose)	
MW 372.22	<sup>13</sup> C <sub>12</sub> H <sub>22</sub> O <sub>11</sub> ·H <sub>2</sub> O	[6363-53-7] <sup>UN</sup>	
		0.05 g	\$ 550

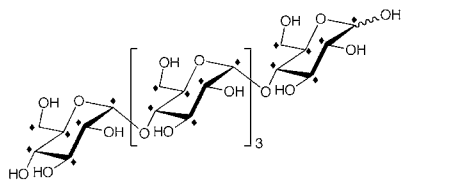
<b>MAL-004</b>		<b>[UL-<sup>2</sup>H<sub>14</sub>]maltose monohydrate</b>	
		(4-O-α-D-[UL- <sup>2</sup> H <sub>7</sub> ]glucopyranosyl-D-[UL- <sup>2</sup> H <sub>7</sub> ]glucose)	
MW 374.40	C <sub>12</sub> <sup>2</sup> H <sub>14</sub> H <sub>8</sub> O <sub>11</sub> ·H <sub>2</sub> O	[6363-53-7] <sup>UN</sup>	
		0.05 g	\$ 675

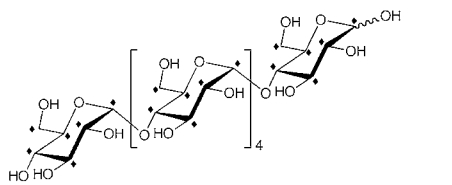
<b>TRI-004</b>		<b>[UL-<sup>13</sup>C<sub>18</sub>]maltotriose hydrate</b>	
		([UL- <sup>13</sup> C <sub>6</sub> ]Glc(α1-4)[UL- <sup>13</sup> C <sub>6</sub> ]Glc(α1-4)[UL- <sup>13</sup> C <sub>6</sub> ]Glc)	
MW 522.30	<sup>13</sup> C <sub>18</sub> H <sub>32</sub> O <sub>16</sub> ·(H <sub>2</sub> O) <sub>x</sub>	[207511-08-8] <sup>UN</sup>	
		<i>MW is on anhydrous basis.</i>	

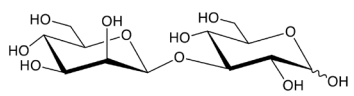
		0.01 g	\$ 490
		0.025 g	\$ 975

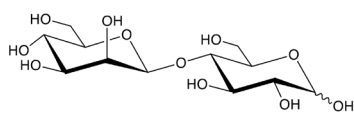
<b>TET-017</b>		<b>maltotetraose</b>	
		(αD-Glcp(1→4)αD-Glcp(1→4)αD-Glcp(1→4)D-Glcp)	
MW 666.58	C <sub>24</sub> H <sub>42</sub> O <sub>21</sub>	[34612-38-9]	
		Request Price	

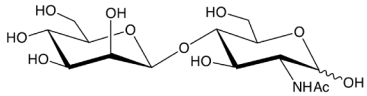
<b>TET-013</b>		<b>[UL-<sup>13</sup>C<sub>24</sub>]maltotetraose</b>	
MW 690.39	<sup>13</sup> C <sub>24</sub> H <sub>42</sub> O <sub>21</sub>	[34612-38-9] <sup>UN</sup>	
		Request Price	

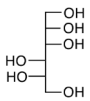
<b>PEN-011</b>		<b>[UL-<sup>13</sup>C<sub>30</sub>]maltopentaose</b>	
MW 858.49	<sup>13</sup> C <sub>30</sub> H <sub>52</sub> O <sub>26</sub>	[34620-76-3] <sup>UN</sup>	
		Request Price	

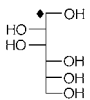
<b>HEX-007</b>		<b>[UL-<sup>13</sup>C<sub>36</sub>]maltohexaose</b>	
MW 1026.58	<sup>13</sup> C <sub>36</sub> H <sub>62</sub> O <sub>31</sub>	[34620-77-4] <sup>UN</sup>	
		Request Price	

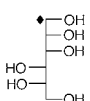
<b>DIS-095</b>		<b>Manβ-3Glc</b>	
		(β-1,3-mannosylglucose)	
MW 342.30	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>		
		0.005 g	\$ 360
		0.025 g	\$ 1070
		0.05 g	\$ 1515

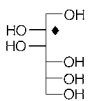
<b>DIS-094</b>		<b>Manβ-4Glc</b>	
		(β-1,4-mannosylglucose)	
MW 342.30	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>		
		0.005 g	\$ 360
		0.025 g	\$ 1070
		0.05 g	\$ 1515

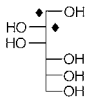
<b>DIS-097</b>		<b>Manβ1-4GlcNAc</b>	
		(β-1,4-mannosylNAcetylglucosamine)	
MW 383.35	C <sub>14</sub> H <sub>25</sub> NO <sub>11</sub>	[856224-94-7]	
		0.005 g	\$ 600
		0.02 g	\$ 1890
		0.03 g	\$ 2490

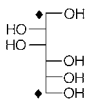
<b>ALD-089</b>		<b>L-mannitol</b>	
MW 181.60	C <sub>6</sub> H <sub>14</sub> O <sub>6</sub>	[643-01-6]	
		Request Price	

<b>ALD-029</b>		<b>D-[1-<sup>13</sup>C]mannitol</b>	
MW 183.17	<sup>13</sup> CC <sub>5</sub> H <sub>14</sub> O <sub>6</sub>	[132202-29-0]	
		0.25 g	\$ 130
		0.5 g	\$ 200
		1 g	\$ 295

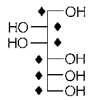
<b>ALD-064</b>		<b>L-[1-<sup>13</sup>C]mannitol</b>	
MW 183.17	<sup>13</sup> CC <sub>5</sub> H <sub>14</sub> O <sub>6</sub>	[643-01-6] <sup>UN</sup>	
		0.25 g	\$ 330
		0.5 g	\$ 550
		1 g	\$ 955

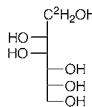
<b>ALD-054</b>		<b>D-[2-<sup>13</sup>C]mannitol</b>	
MW 183.17	<sup>13</sup> CC <sub>5</sub> H <sub>14</sub> O <sub>6</sub>	[287100-69-0]	
		0.25 g	\$ 330
		0.5 g	\$ 550
		1 g	\$ 955

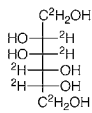
<b>ALD-056</b>		<b>D-[1,2-<sup>13</sup>C<sub>2</sub>]mannitol</b>	
MW 184.16	<sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>14</sub> O <sub>6</sub>	[69-65-8] <sup>UN</sup>	
		0.25 g	\$ 350
		0.5 g	\$ 595
		1 g	\$ 1025

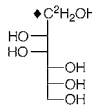
<b>ALD-057</b>		<b>D-[1,6-<sup>13</sup>C<sub>2</sub>]mannitol</b>	
MW 184.16	<sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>14</sub> O <sub>6</sub>	[69-65-8] <sup>UN</sup>	
		0.25 g	\$ 640
		0.5 g	\$ 1025
		1 g	\$ 1705

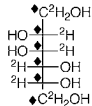


<b>ALD-030</b>	<b>D-[UL-<sup>13</sup>C<sub>6</sub>]mannitol</b>
MW 188.13	<sup>13</sup> C <sub>6</sub> H <sub>14</sub> O <sub>6</sub> [287112-34-9]
	0.05 g \$ 130
	0.1 g \$ 200
	0.25 g \$ 395
	0.5 g \$ 690
	1 g \$ 1215

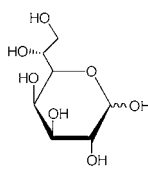
<b>ALD-031</b>	<b>D-[1,1'-<sup>2</sup>H<sub>2</sub>]mannitol</b>
MW 184.19	C <sub>6</sub> <sup>2</sup> H <sub>2</sub> H <sub>12</sub> O <sub>6</sub> [69-65-8] <sup>UN</sup>
	0.25 g \$ 95
	0.5 g \$ 155
	1 g \$ 265

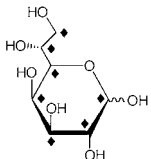
<b>ALD-063</b>	<b>D-[UL-<sup>2</sup>H<sub>8</sub>]mannitol</b>
MW 190.22	C <sub>6</sub> <sup>2</sup> H <sub>8</sub> H <sub>6</sub> O <sub>6</sub> [69-65-8] <sup>UN</sup>
	0.1 g \$ 275
	0.25 g \$ 540
	0.5 g \$ 975
	1 g \$ 1825

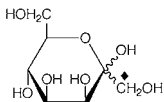
<b>ALD-058</b>	<b>D-[1-<sup>13</sup>C;1,1'-<sup>2</sup>H<sub>2</sub>]mannitol</b>
MW 185.18	<sup>13</sup> CC <sub>5</sub> <sup>2</sup> H <sub>2</sub> H <sub>12</sub> O <sub>6</sub> [69-65-8] <sup>UN</sup>
	0.1 g \$ 360
	0.25 g \$ 710
	0.5 g \$ 1205
	1 g \$ 2045

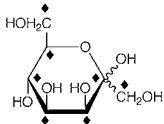
<b>ALD-074</b>	<b>D-[UL-<sup>13</sup>C<sub>6</sub>;UL-<sup>2</sup>H<sub>8</sub>]mannitol</b> (D-[UL- <sup>13</sup> C <sub>6</sub> ;1,1',2,3,4,5,6,6'- <sup>2</sup> H <sub>8</sub> ]mannitol)
MW 196.17	<sup>13</sup> C <sub>6</sub> <sup>2</sup> H <sub>8</sub> H <sub>6</sub> O <sub>6</sub> [69-65-8] <sup>UN</sup> 99 atom-% <sup>13</sup> C; 97 atom-% <sup>2</sup> H
	Request Price

<b>mannobiose</b>
see Man-Man <i>page 83</i>

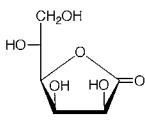
<b>HEP-010</b>	<b>D-mannoheptose</b> (D- <i>glycero</i> -D- <i>galacto</i> -heptose)
MW 210.18	C <sub>7</sub> H <sub>14</sub> O <sub>7</sub> [7634-39-1]
	0.25 g \$ 185
	0.5 g \$ 305
	1 g \$ 490

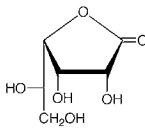
<b>HEP-009</b>	<b>D-[UL-<sup>13</sup>C<sub>7</sub>]mannoheptose</b> (D- <i>glycero</i> -D- <i>galacto</i> -[UL- <sup>13</sup> C <sub>7</sub> ]heptose)
MW 217.12	<sup>13</sup> C <sub>7</sub> H <sub>14</sub> O <sub>7</sub> [7634-39-1] <sup>UN</sup>
	0.01 g \$ 185
	0.025 g \$ 370
	0.05 g \$ 675
	0.1 g \$ 1215

<b>HEP-001</b>	<b>D-manno-[1-<sup>13</sup>C]hept-2-ulose</b> (D- <i>manno</i> -[1- <sup>13</sup> C]heptulose)
MW 211.18	<sup>13</sup> CC <sub>6</sub> H <sub>14</sub> O <sub>7</sub>
	0.25 g \$ 625
	0.5 g \$ 1085
	1 g \$ 1945

<b>HEP-008</b>	<b>D-manno-[UL-<sup>13</sup>C<sub>7</sub>]hept-2-ulose</b> (D- <i>manno</i> -[UL- <sup>13</sup> C <sub>7</sub> ]heptulose)
MW 217.12	<sup>13</sup> C <sub>7</sub> H <sub>14</sub> O <sub>7</sub> [3615-44-9] <sup>UN</sup>
	0.01 g \$ 370
	0.025 g \$ 730
	0.05 g \$ 1340
	0.1 g \$ 2430

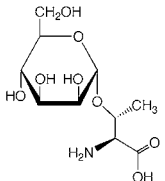
<b>mannonic acid lactone</b>
see mannono-lactone <i>page 80</i>

<b>MAN-004</b>	<b>D-mannono-1,4-lactone</b> (D-mannonic acid γ-lactone)
MW 178.14	C <sub>6</sub> H <sub>10</sub> O <sub>6</sub> [26301-79-1]
	0.25 g \$ 100
	0.5 g \$ 155
	1 g \$ 275

<b>MAN-040</b>	<b>L-mannono-1,4-lactone</b> (L-mannonic acid γ-lactone)
MW 178.14	C <sub>6</sub> H <sub>10</sub> O <sub>6</sub> [22430-23-5]
	1 g \$ 185

<b>AAG-001</b>	<b>O-α-D-mannopyranosyl-L-serine</b> (O-Mannopyranosylserine)
MW 267.24	C <sub>9</sub> H <sub>17</sub> NO <sub>8</sub> [78609-14-0]

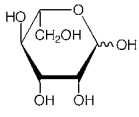
	Request Price
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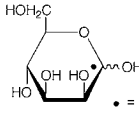
<b>AAG-002</b>	<b>O-α-D-mannopyranosyl-L-threonine</b> (O-Mannopyranosylthreonine)
MW 281.26	C <sub>10</sub> H <sub>19</sub> NO <sub>8</sub> [78609-12-8]
	0.1 g \$ 370
	0.25 g \$ 710
	0.5 g \$ 1175

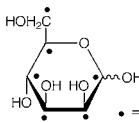
<b>mannosamine</b>
see 2-amino-2-deoxy-D-mannose <i>page 32</i>

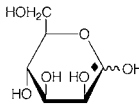
<b>MAN-064</b>	<b>D-mannosamine-6-phosphate disodium salt</b> (2-amino-2-deoxy-D-mannose-6-phosphate disodium salt)
MW 303.11	C <sub>6</sub> H <sub>12</sub> NNa <sub>2</sub> O <sub>8</sub> P

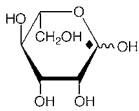
	Request Price
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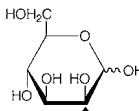
<b>MAN-030</b>	<b>L-mannose</b>
MW 180.16	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> [10030-80-5]
	1 g \$ 80

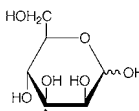
<b>MAN-028</b>	<b>D-[1-<sup>12</sup>C]mannose (<sup>13</sup>C depleted at C1)</b>
MW 180.15	<sup>12</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [3458-28-4] <sup>UN</sup> 99.9 atom-% <sup>12</sup> C at C1
	Request Price

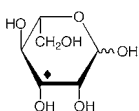
<b>MAN-027</b>	<b>D-[UL-<sup>12</sup>C<sub>6</sub>]mannose (<sup>13</sup>C depleted)</b>
MW 180.09	<sup>12</sup> C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> [3458-28-4] <sup>UN</sup> 99.9 atom-% <sup>12</sup> C
	Request Price

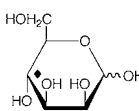
<b>MAN-005</b>	<b>D-[1-<sup>13</sup>C]mannose</b>
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [70849-31-9]
	0.5 g \$ 140
	1 g \$ 220

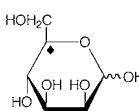
<b>MAN-006</b>	<b>L-[1-<sup>13</sup>C]mannose</b>
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [10030-80-5] <sup>UN</sup>
	0.25 g \$ 165
	0.5 g \$ 265
	1 g \$ 430

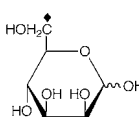
<b>MAN-007</b>	<b>D-[2-<sup>13</sup>C]mannose</b>
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [70849-16-0]
	0.25 g \$ 275
	0.5 g \$ 470
	1 g \$ 795

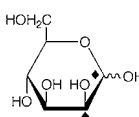
<b>MAN-008</b>	<b>D-[3-<sup>13</sup>C]mannose</b>
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [101615-89-8]
	0.25 g \$ 610
	0.5 g \$ 1065
	1 g \$ 1825

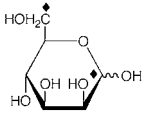
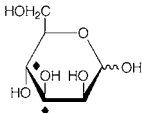
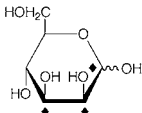
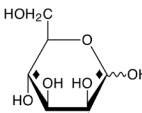
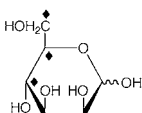
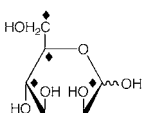
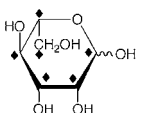
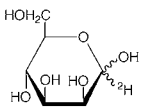
<b>MAN-036</b>	<b>L-[3-<sup>13</sup>C]mannose</b>
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [10030-80-5] <sup>UN</sup>
	Request Price

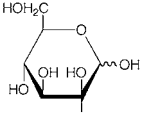
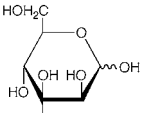
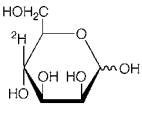
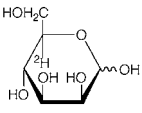
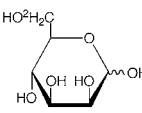
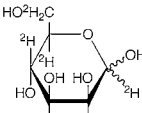
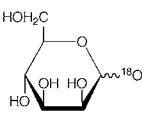
<b>MAN-009</b>	<b>D-[4-<sup>13</sup>C]mannose</b>
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [3458-28-4] <sup>UN</sup>
	0.25 g \$ 675
	0.5 g \$ 1205
	1 g \$ 2185

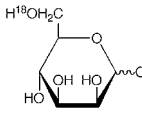
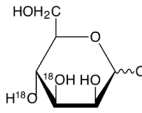
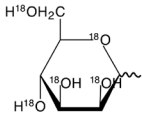
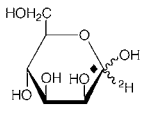
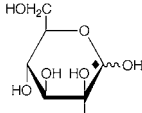
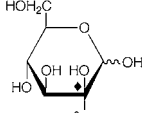
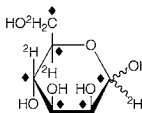
<b>MAN-010</b>	<b>D-[5-<sup>13</sup>C]mannose</b>
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [3458-28-4] <sup>UN</sup>
	0.25 g \$ 710
	0.5 g \$ 1280
	1 g \$ 2305

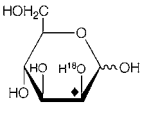
<b>MAN-011</b>	<b>D-[6-<sup>13</sup>C]mannose</b>
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [115973-81-4]
	0.25 g \$ 415
	0.5 g \$ 750
	1 g \$ 1340

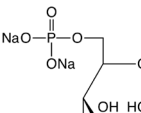
<b>MAN-018</b>	<b>D-[1,2-<sup>13</sup>C<sub>2</sub>]mannose</b>
MW 182.14	<sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>12</sub> O <sub>6</sub> [3458-28-4] <sup>UN</sup>
	0.25 g \$ 275
	0.5 g \$ 470
	1 g \$ 795

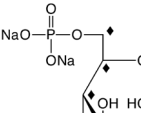
MAN-019		D-[1,6- <sup>13</sup> C <sub>2</sub> ]mannose	
MW 182.14	<sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>12</sub> O <sub>6</sub>	[3458-28-4] <sup>UN</sup>	
	0.25 g	\$	610
	0.5 g	\$	1005
	1 g	\$	1760
MAN-032		D-[3,4- <sup>13</sup> C <sub>2</sub> ]mannose	
MW 182.14	<sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>12</sub> O <sub>6</sub>	[3458-28-4] <sup>UN</sup>	
	0.1 g	\$	550
MAN-035		D-[1,2,3- <sup>13</sup> C <sub>3</sub> ]mannose	
MW 183.13	<sup>13</sup> C <sub>3</sub> C <sub>3</sub> H <sub>12</sub> O <sub>6</sub>	[3458-28-4] <sup>UN</sup>	
	0.25 g	\$	695
	0.5 g	\$	1195
	1 g	\$	2065
MAN-058		D-[1,2,4- <sup>13</sup> C <sub>3</sub> ]mannose	
MW 183.13	<sup>13</sup> C <sub>3</sub> C <sub>3</sub> H <sub>12</sub> O <sub>6</sub>	[3458-28-4] <sup>UN</sup>	
	Request Price		
MAN-039		D-[2,3,4,5,6- <sup>13</sup> C <sub>5</sub> ]mannose	
MW 185.12	<sup>13</sup> C <sub>5</sub> C <sub>1</sub> H <sub>12</sub> O <sub>6</sub>	[3458-28-4] <sup>UN</sup>	
	0.1 g	\$	1145
MAN-012		D-[UL- <sup>13</sup> C <sub>6</sub> ]mannose	
MW 186.11	<sup>13</sup> C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	[287100-74-7]	
	0.1 g	\$	145
	0.25 g	\$	275
	0.5 g	\$	470
	1 g	\$	795
MAN-042		L-[UL- <sup>13</sup> C <sub>6</sub> ]mannose	
MW 186.11	<sup>13</sup> C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	[10030-80-5] <sup>UN</sup>	
	Request Price		
MAN-013		D-[1- <sup>2</sup> H]mannose	
MW 181.16	C <sub>6</sub> <sup>2</sup> H <sub>11</sub> O <sub>6</sub>	[288846-86-6]	
	0.25 g	\$	130
	0.5 g	\$	170
	1 g	\$	240

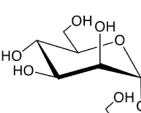
MAN-014		D-[2- <sup>2</sup> H]mannose	
MW 181.16	C <sub>6</sub> <sup>2</sup> HH <sub>11</sub> O <sub>6</sub>	[3458-28-4] <sup>UN</sup>	
	0.25 g	\$	130
	0.5 g	\$	170
	1 g	\$	240
MAN-024		D-[3- <sup>2</sup> H]mannose	
MW 181.16	C <sub>6</sub> <sup>2</sup> HH <sub>11</sub> O <sub>6</sub>	[3458-28-4] <sup>UN</sup>	
	0.25 g	\$	730
	0.5 g	\$	1215
	1 g	\$	2185
MAN-025		D-[4- <sup>2</sup> H]mannose	
MW 181.16	C <sub>6</sub> <sup>2</sup> HH <sub>11</sub> O <sub>6</sub>	[3458-28-4] <sup>UN</sup>	
	0.25 g	\$	1075
	0.5 g	\$	1825
	1 g	\$	3220
MAN-026		D-[5- <sup>2</sup> H]mannose	
MW 181.16	C <sub>6</sub> <sup>2</sup> HH <sub>11</sub> O <sub>6</sub>	[3458-28-4] <sup>UN</sup>	
	0.25 g	\$	640
	0.5 g	\$	1025
	1 g	\$	1825
MAN-015		D-[6,6'- <sup>2</sup> H <sub>2</sub> ]mannose	
MW 182.17	C <sub>6</sub> <sup>2</sup> H <sub>2</sub> H <sub>10</sub> O <sub>6</sub>	[3458-28-4] <sup>UN</sup>	
	0.25 g	\$	155
	0.5 g	\$	250
	1 g	\$	430
MAN-041		D-[UL- <sup>2</sup> H <sub>7</sub> ]mannose (D-[1,2,3,4,5,6,6'- <sup>2</sup> H <sub>7</sub> ]mannose)	
MW 187.20	C <sub>6</sub> <sup>2</sup> H <sub>7</sub> H <sub>5</sub> O <sub>6</sub>	[3458-28-4] <sup>UN</sup>	
	0.1 g	\$	250
	0.25 g	\$	490
	0.5 g	\$	880
	1 g	\$	1460
MAN-046		D-[1- <sup>18</sup> O]mannose	
MW 182.16	C <sub>6</sub> H <sub>12</sub> <sup>18</sup> OO <sub>5</sub>	[3458-28-4] <sup>UN</sup>	
>90 atom-% <sup>18</sup> O			
	Request Price		

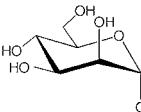
MAN-052	D-[6- <sup>18</sup> O]mannose		
MW 182.16 >90 atom-% <sup>18</sup> O	C <sub>6</sub> H <sub>12</sub> <sup>18</sup> OO <sub>5</sub>	[3458-28-4] <sup>UN</sup>	
	0.05 g	\$	610
MAN-062	D-[3,4- <sup>18</sup> O <sub>2</sub> ]mannose		
MW 184.16 >90 atom-% <sup>18</sup> O	C <sub>6</sub> H <sub>12</sub> <sup>18</sup> O <sub>2</sub> O <sub>4</sub>	[3458-28-4] <sup>UN</sup>	
	Request Price		
MAN-063	D-[UL- <sup>18</sup> O <sub>6</sub> ]mannose		
MW 192.16 >90 atom-% <sup>18</sup> O	C <sub>6</sub> H <sub>12</sub> <sup>18</sup> O <sub>6</sub>	[3458-28-4] <sup>UN</sup>	
	Request Price		
MAN-031	D-[1- <sup>13</sup> C;1- <sup>2</sup> H]mannose		
MW 182.16	<sup>13</sup> CC <sub>5</sub> <sup>2</sup> HH <sub>11</sub> O <sub>6</sub>	[3458-28-4] <sup>UN</sup>	
	0.1 g	\$	185
	0.25 g	\$	370
	0.5 g	\$	675
	1 g	\$	1215
MAN-051	D-[1- <sup>13</sup> C;2- <sup>2</sup> H]mannose		
MW 182.16	<sup>13</sup> CC <sub>5</sub> <sup>2</sup> HH <sub>11</sub> O <sub>6</sub>	[3458-28-4] <sup>UN</sup>	
	0.1 g	\$	370
	0.25 g	\$	730
	0.5 g	\$	1215
	1 g	\$	2185
MAN-043	D-[2- <sup>13</sup> C;2- <sup>2</sup> H]mannose		
MW 182.16	<sup>13</sup> CC <sub>5</sub> <sup>2</sup> HH <sub>11</sub> O <sub>6</sub>	[3458-28-4] <sup>UN</sup>	
	Request Price		
MAN-045	D-[UL- <sup>13</sup> C <sub>6</sub> ;UL- <sup>2</sup> H <sub>7</sub> ]mannose (D-[UL- <sup>13</sup> C <sub>6</sub> ;1,2,3,4,5,6,6'- <sup>2</sup> H <sub>7</sub> ]mannose)		
MW 193.15 99 atom-% <sup>13</sup> C; 97 atom-% <sup>2</sup> H	<sup>13</sup> C <sub>6</sub> <sup>2</sup> H <sub>7</sub> H <sub>5</sub> O <sub>6</sub>	[3458-28-4] <sup>UN</sup>	
	0.1 g	\$	170
	0.25 g	\$	335
	0.5 g	\$	575
	1 g	\$	975

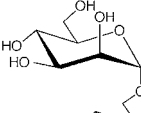
MAN-044		D-[2- <sup>13</sup> C;2- <sup>18</sup> O]mannose	
MW 183.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> <sup>18</sup> OO <sub>5</sub>	[3458-28-4] <sup>UN</sup>	
99 atom-% <sup>13</sup> C; 90 atom-% <sup>18</sup> O			
	Request Price		

MAN-056		D-mannose 6-phosphate disodium salt	
MW 304.10	C <sub>6</sub> H <sub>11</sub> Na <sub>2</sub> O <sub>9</sub> P	[33068-18-7]	
	0.05 g	\$	130
	0.1 g	\$	200

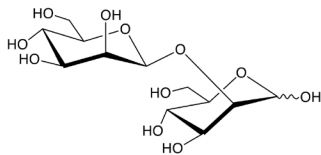
MAN-057		D-[UL- <sup>13</sup> C <sub>6</sub> ]mannose 6-phosphate disodium salt	
MW 310.05	<sup>13</sup> C <sub>6</sub> H <sub>11</sub> Na <sub>2</sub> O <sub>9</sub> P	[33068-18-7] <sup>UN</sup>	
	0.05 g	\$	570
	0.1 g	\$	975

DIS-010		Manα-2Man (2-O-α-D-mannopyranosyl-D-mannopyranose)	
MW 342.30	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>	[15548-39-7]	
	0.1 g	\$	275

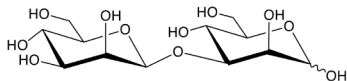
DIS-011		Manα-3Man (3-O-α-D-mannopyranosyl-D-mannopyranose)	
MW 342.30	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>	[23745-85-9]	
	Request Price		

DIS-012		Manα-6Man (6-O-α-D-mannopyranosyl-D-mannopyranose)	
MW 342.30	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>	[6614-35-3]	
	Request Price		

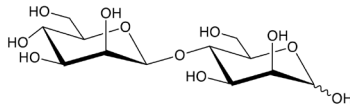
**DIS-091      Manβ-2Man**  
(2-O-β-D-mannopyranosyl-D-mannopyranose)

MW 342.30	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>	[50728-38-6]			
			0.005 g	\$	420
			0.025 g	\$	840
			0.05 g	\$	1020
			0.1 g	\$	1200

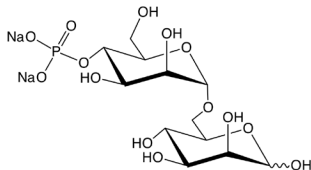
**DIS-092      Manβ-3Man**  
(3-O-β-D-mannopyranosyl-D-mannopyranose)

MW 342.30	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>	[50692-75-6]			
			0.005 g	\$	420
			0.025 g	\$	840
			0.05 g	\$	1020
			0.1 g	\$	1200

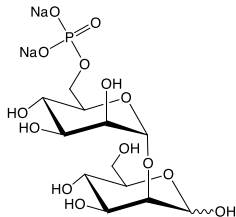
**DIS-093      Manβ-4Man**  
(4-O-β-D-mannopyranosyl-D-mannopyranose)

MW 342.30	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>	[14417-51-7]			
			0.005 g	\$	180
			0.025 g	\$	360
			0.05 g	\$	485
			0.1 g	\$	600

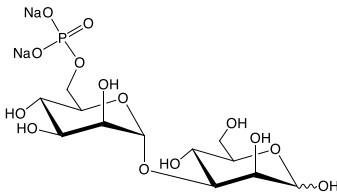
**DIS-020      Man4Pα-6Man disodium salt**  
(6-O-α-D-mannopyranosyl-4-phosphate-D-mannopyranose disodium salt)

MW 466.24	C <sub>12</sub> H <sub>21</sub> Na <sub>2</sub> O <sub>14</sub> P				
			Request Price		

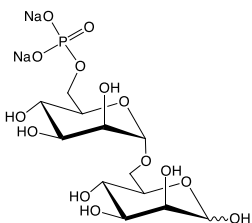
**DIS-017      Man6Pα-2Man disodium salt**  
(2-O-α-D-mannopyranosyl-6-phosphate-D-mannopyranose disodium salt)

MW 466.24	C <sub>12</sub> H <sub>21</sub> Na <sub>2</sub> O <sub>14</sub> P				
			Request Price		

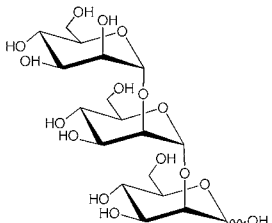
**DIS-018      Man6Pα-3Man disodium salt**  
(3-O-α-D-mannopyranosyl-6-phosphate-D-mannopyranose disodium salt)

MW 466.24	C <sub>12</sub> H <sub>21</sub> Na <sub>2</sub> O <sub>14</sub> P				
			Request Price		

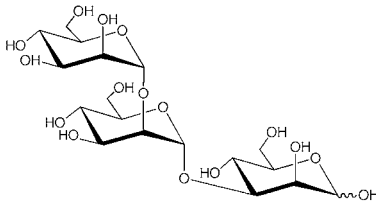
**DIS-019      Man6Pα-6Man disodium salt**  
(6-O-α-D-mannopyranosyl-6-phosphate-D-mannopyranose disodium salt)

MW 466.24	C <sub>12</sub> H <sub>21</sub> Na <sub>2</sub> O <sub>14</sub> P				
			Request Price		

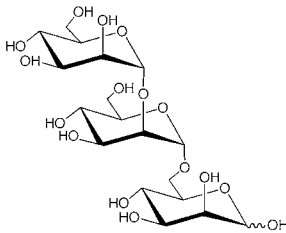
**TRI-007      Manα-2Manα-2Man**

MW 504.44	C <sub>18</sub> H <sub>32</sub> O <sub>16</sub>				
			0.0001 g	\$	95
			0.0002 g	\$	105
			0.0005 g	\$	125
			0.001 g	\$	245
			0.01 g	\$	970

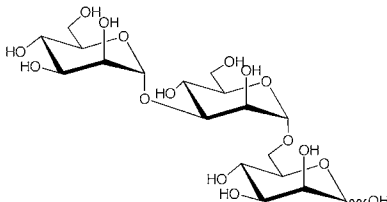
**TRI-008      Manα-2Manα-3Man**

MW 504.44	C <sub>18</sub> H <sub>32</sub> O <sub>16</sub>				
			0.0001 g	\$	95
			0.0002 g	\$	105
			0.0005 g	\$	125
			0.001 g	\$	245
			0.01 g	\$	970

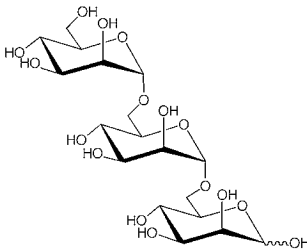
**TRI-009      Manα-2Manα-6Man**

MW 504.44	C <sub>18</sub> H <sub>32</sub> O <sub>16</sub>				
			0.0001 g	\$	95
			0.0002 g	\$	105
			0.0005 g	\$	125
			0.001 g	\$	245
			0.01 g	\$	970

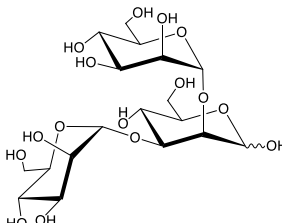
**TRI-010      Manα-3Manα-6Man**

MW 504.44	C <sub>18</sub> H <sub>32</sub> O <sub>16</sub>				
			0.0001 g	\$	95
			0.0002 g	\$	105
			0.0005 g	\$	125
			0.001 g	\$	245
			0.01 g	\$	970

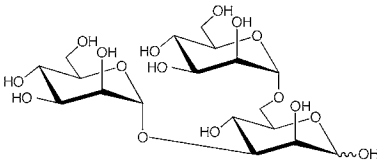
**TRI-005      Manα-6Manα-6Man**

MW 504.44	C <sub>18</sub> H <sub>32</sub> O <sub>16</sub>				
			0.0001 g	\$	95
			0.0002 g	\$	105
			0.0005 g	\$	125
			0.001 g	\$	245
			0.01 g	\$	970

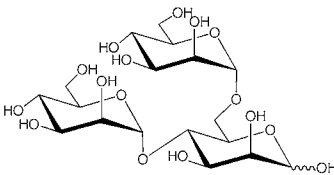
**TRI-036      Manα-3[Manα-2]Man**

MW 504.44	C <sub>18</sub> H <sub>32</sub> O <sub>16</sub>				
			0.0001 g	\$	95
			0.0002 g	\$	105
			0.0005 g	\$	125
			0.001 g	\$	245
			0.01 g	\$	970

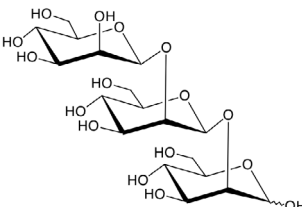
**TRI-006      Manα-3[Manα-6]Man**  
(3,6-di-O-α-D-mannopyranosyl-D-mannopyranose)

MW 504.44	C <sub>18</sub> H <sub>32</sub> O <sub>16</sub>	[121123-33-9]			
			0.0001 g	\$	95
			0.0002 g	\$	105
			0.0005 g	\$	125
			0.001 g	\$	245
			0.01 g	\$	970

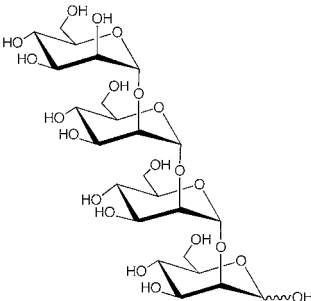
**TRI-011      Manα-4[Manα-6]Man**  
(4,6-di-O-α-D-mannopyranosyl-D-mannopyranose)

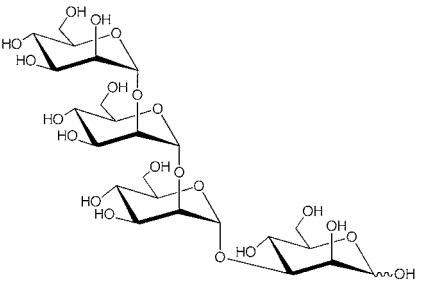
MW 504.44	C <sub>18</sub> H <sub>32</sub> O <sub>16</sub>				
			0.0001 g	\$	95
			0.0002 g	\$	105
			0.0005 g	\$	125
			0.001 g	\$	245
			0.01 g	\$	970

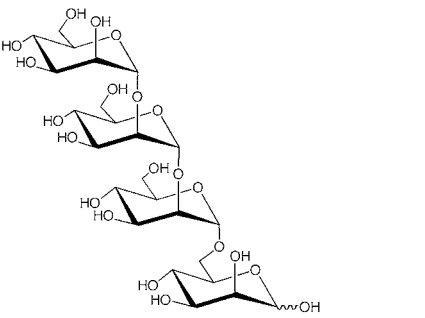
**TRI-045      Manβ-2Manβ-2Man**  
(β-1,2-mannotriose)

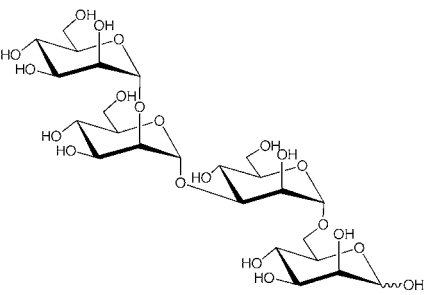
MW 504.44	C <sub>18</sub> H <sub>32</sub> O <sub>16</sub>				
			0.005 g	\$	600
			0.02 g	\$	1900
			0.03 g	\$	2490

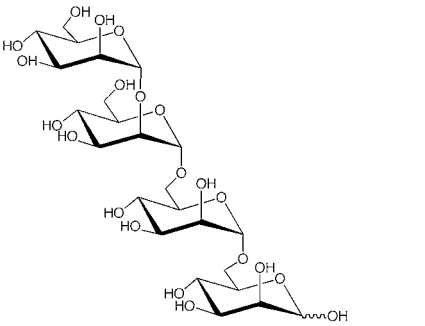
**TET-016      Manα-2Manα-2Manα-2Man**

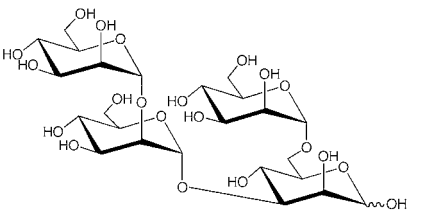
MW 666.58	C <sub>24</sub> H <sub>42</sub> O <sub>21</sub>				
			0.0001 g	\$	150
			0.0002 g	\$	190
			0.0005 g	\$	225
			0.001 g	\$	365

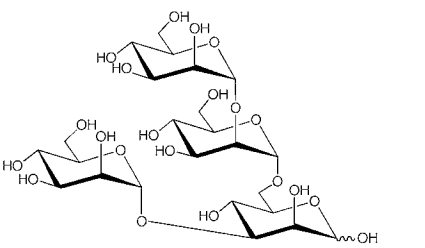
TET-004	Man $\alpha$ -2Man $\alpha$ -2Man $\alpha$ -3Man
MW 666.58	C <sub>24</sub> H <sub>42</sub> O <sub>21</sub>
	0.0001 g \$ 150 0.0002 g \$ 190 0.0005 g \$ 225 0.001 g \$ 365

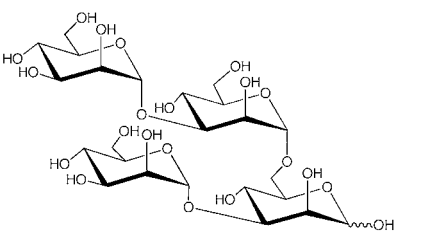
TET-006	Man $\alpha$ -2Man $\alpha$ -2Man $\alpha$ -6Man
MW 666.58	C <sub>24</sub> H <sub>42</sub> O <sub>21</sub>
	0.0001 g \$ 150 0.0002 g \$ 190 0.0005 g \$ 225 0.001 g \$ 365

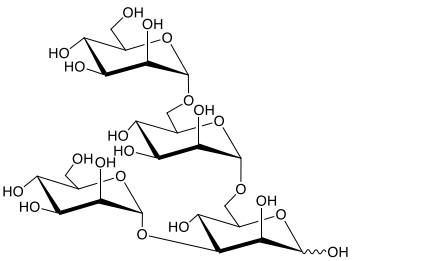
TET-005	Man $\alpha$ -2Man $\alpha$ -3Man $\alpha$ -6Man
MW 666.58	C <sub>24</sub> H <sub>42</sub> O <sub>21</sub>
	0.0001 g \$ 150 0.0002 g \$ 190 0.0005 g \$ 225 0.001 g \$ 365

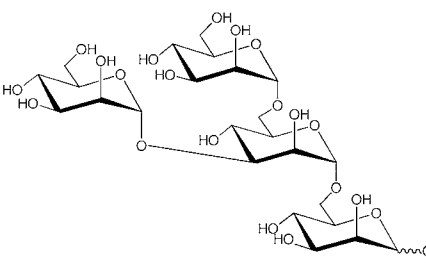
TET-007	Man $\alpha$ -2Man $\alpha$ -6Man $\alpha$ -6Man
MW 666.58	C <sub>24</sub> H <sub>42</sub> O <sub>21</sub>
	0.0001 g \$ 150 0.0002 g \$ 190 0.0005 g \$ 225 0.001 g \$ 365

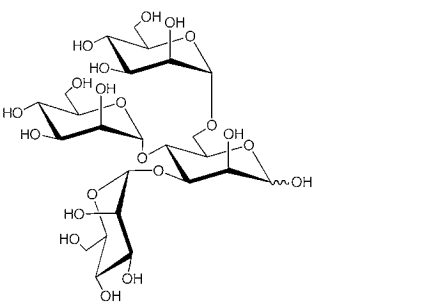
TET-010	Man $\alpha$ -2Man $\alpha$ -3[Man $\alpha$ -6]Man
MW 666.58	C <sub>24</sub> H <sub>42</sub> O <sub>21</sub>
	0.0001 g \$ 150 0.0002 g \$ 190 0.0005 g \$ 225 0.001 g \$ 365

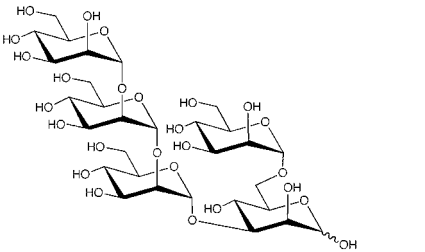
TET-009	Man $\alpha$ -2Man $\alpha$ -6[Man $\alpha$ -3]Man
MW 666.58	C <sub>24</sub> H <sub>42</sub> O <sub>21</sub>
	0.0001 g \$ 150 0.0002 g \$ 190 0.0005 g \$ 225 0.001 g \$ 365

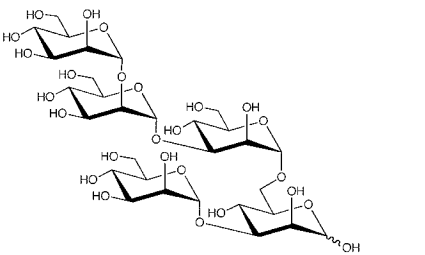
TET-011	Man $\alpha$ -3Man $\alpha$ -6[Man $\alpha$ -3]Man
MW 666.58	C <sub>24</sub> H <sub>42</sub> O <sub>21</sub>
	0.0001 g \$ 150 0.0002 g \$ 190 0.0005 g \$ 225 0.001 g \$ 365

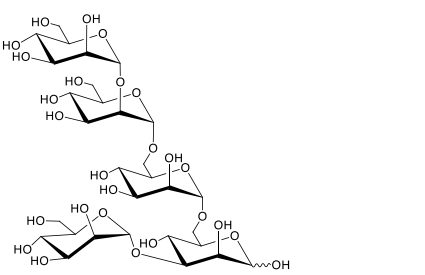
TET-019	Man $\alpha$ -6Man $\alpha$ -6[Man $\alpha$ -3]Man
MW 666.58	C <sub>24</sub> H <sub>42</sub> O <sub>21</sub>
	0.0001 g \$ 150 0.0002 g \$ 190 0.0005 g \$ 225 0.001 g \$ 365

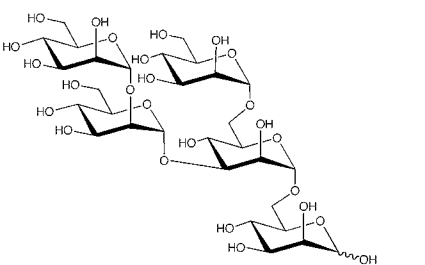
TET-008	Man $\alpha$ -3[Man $\alpha$ -6]Man $\alpha$ -6Man
MW 666.58	C <sub>24</sub> H <sub>42</sub> O <sub>21</sub>
	0.0001 g \$ 150 0.0002 g \$ 190 0.0005 g \$ 225 0.001 g \$ 365

TET-015	Man $\alpha$ -3[Man $\alpha$ -4][Man $\alpha$ -6]Man
MW 666.58	C <sub>24</sub> H <sub>42</sub> O <sub>21</sub>
	0.0001 g \$ 150 0.0002 g \$ 190 0.0005 g \$ 225 0.001 g \$ 365

PEN-007	Man $\alpha$ -2Man $\alpha$ -2Man $\alpha$ -3[Man $\alpha$ -6]Man
MW 828.72	C <sub>30</sub> H <sub>52</sub> O <sub>26</sub>
	0.0001 g \$ 160 0.0002 g \$ 210 0.0005 g \$ 290 0.001 g \$ 485

PEN-003	Man $\alpha$ -2Man $\alpha$ -3Man $\alpha$ -6[Man $\alpha$ -3]Man
MW 828.72	C <sub>30</sub> H <sub>52</sub> O <sub>26</sub>
	0.0001 g \$ 160 0.0002 g \$ 210 0.0005 g \$ 290 0.001 g \$ 485

PEN-015	Man $\alpha$ -2Man $\alpha$ -6Man $\alpha$ -6[Man $\alpha$ -3]Man
MW 828.72	C <sub>30</sub> H <sub>52</sub> O <sub>26</sub>
	0.0001 g \$ 160 0.0002 g \$ 210 0.0005 g \$ 290 0.001 g \$ 485

PEN-008	Man $\alpha$ -2Man $\alpha$ -3[Man $\alpha$ -6]Man $\alpha$ -6Man
MW 828.72	C <sub>30</sub> H <sub>52</sub> O <sub>26</sub>
	0.0001 g \$ 160 0.0002 g \$ 210 0.0005 g \$ 290 0.001 g \$ 485

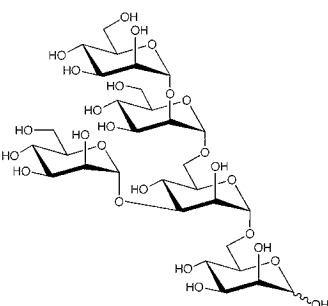


PEN-002

Manα-2Manα-6[Manα-3]Manα-6Man

MW 828.72

C<sub>30</sub>H<sub>52</sub>O<sub>26</sub>



0.0001 g

\$ 160

0.0002 g

\$ 210

0.0005 g

\$ 290

0.001 g

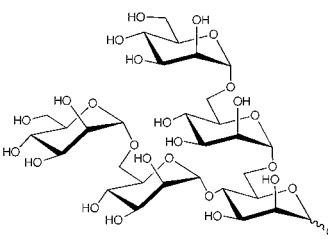
\$ 485

PEN-012

Manα-6Manα-4[Manα-6Manα-6]Man

MW 828.72

C<sub>30</sub>H<sub>52</sub>O<sub>26</sub>



0.0001 g

\$ 160

0.0002 g

\$ 210

0.0005 g

\$ 290

0.001 g

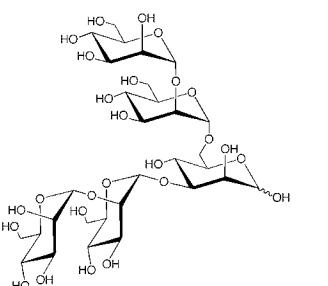
\$ 485

PEN-005

Manα-2Manα-3[Manα-2Manα-6]Man

MW 828.72

C<sub>30</sub>H<sub>52</sub>O<sub>26</sub>



0.0001 g

\$ 160

0.0002 g

\$ 210

0.0005 g

\$ 290

0.001 g

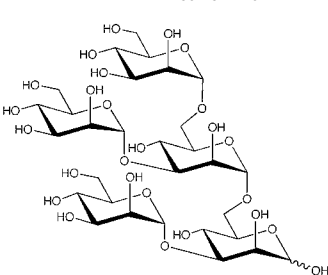
\$ 485

PEN-001

Manα-3[Manα-6]Manα-6[Manα-3]Man

MW 828.72

C<sub>30</sub>H<sub>52</sub>O<sub>26</sub>



0.0001 g

\$ 160

0.0002 g

\$ 210

0.0005 g

\$ 290

0.001 g

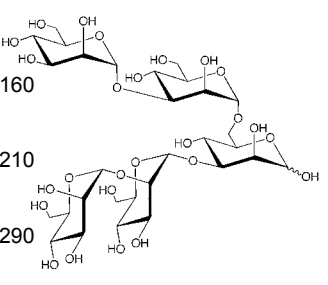
\$ 485

PEN-006

Manα-2Manα-3[Manα-3Manα-6]Man

MW 828.72

C<sub>30</sub>H<sub>52</sub>O<sub>26</sub>



0.0001 g

\$ 160

0.0002 g

\$ 210

0.0005 g

\$ 290

0.001 g

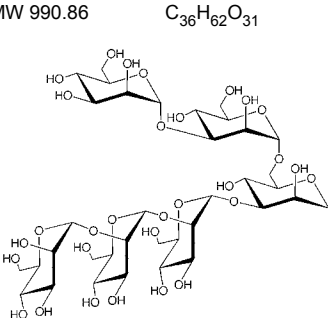
\$ 485

HEX-003

Manα-2Manα-2Manα-3[Manα-3Manα-6]Man

MW 990.86

C<sub>36</sub>H<sub>62</sub>O<sub>31</sub>



0.0001 g

\$ 170

0.0002 g

\$ 255

0.0005 g

\$ 420

0.001 g

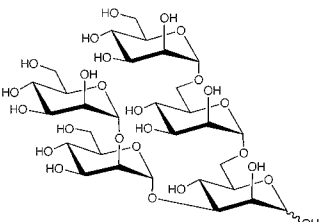
\$ 665

PEN-004

Manα-2Manα-3[Manα-6Manα-6]Man

MW 828.72

C<sub>30</sub>H<sub>52</sub>O<sub>26</sub>



0.0001 g

\$ 160

0.0002 g

\$ 210

0.0005 g

\$ 290

0.001 g

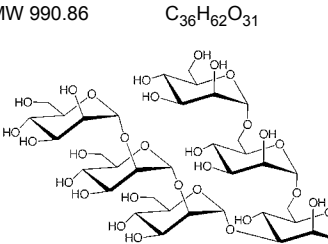
\$ 485

HEX-004

Manα-2Manα-2Manα-3[Manα-6Manα-6]Man

MW 990.86

C<sub>36</sub>H<sub>62</sub>O<sub>31</sub>



0.0001 g

\$ 170

0.0002 g

\$ 255

0.0005 g

\$ 420

0.001 g

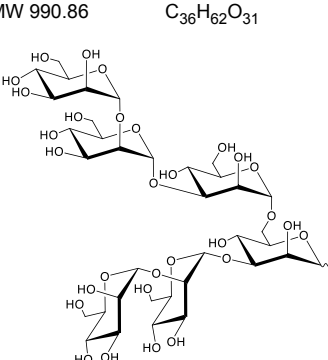
\$ 665

HEX-011

Manα-2Manα-3Manα-6[Manα-2Manα-3]Man

MW 990.86

C<sub>36</sub>H<sub>62</sub>O<sub>31</sub>



0.0001 g

\$ 170

0.0002 g

\$ 255

0.0005 g

\$ 420

0.001 g

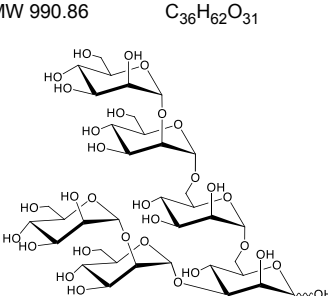
\$ 665

HEX-010

Manα-2Manα-6Manα-6[Manα-2Manα-3]Man

MW 990.86

C<sub>36</sub>H<sub>62</sub>O<sub>31</sub>



0.0001 g

\$ 170

0.0002 g

\$ 255

0.0005 g

\$ 420

0.001 g

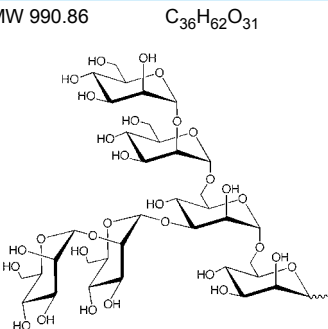
\$ 665

HEX-001

Manα-2Manα-3[Manα-2Manα-6]Manα-6Man

MW 990.86

C<sub>36</sub>H<sub>62</sub>O<sub>31</sub>



0.0001 g

\$ 170

0.0002 g

\$ 255

0.0005 g

\$ 420

0.001 g

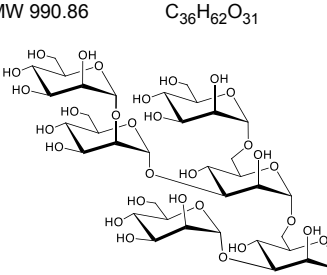
\$ 665

HEX-012

Manα-2Manα-3[Manα-6]Manα-6[Manα-3]Man

MW 990.86

C<sub>36</sub>H<sub>62</sub>O<sub>31</sub>



0.0001 g

\$ 170

0.0002 g

\$ 255

0.0005 g

\$ 420

0.001 g

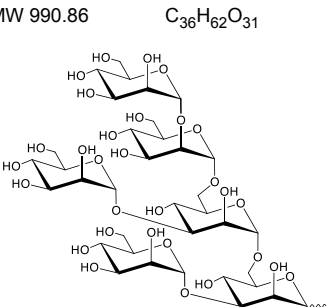
\$ 665

HEX-014

Manα-2Manα-6[Manα-3]Manα-6[Manα-3]Man

MW 990.86

C<sub>36</sub>H<sub>62</sub>O<sub>31</sub>



0.0001 g

\$ 170

0.0002 g

\$ 255

0.0005 g

\$ 420

0.001 g

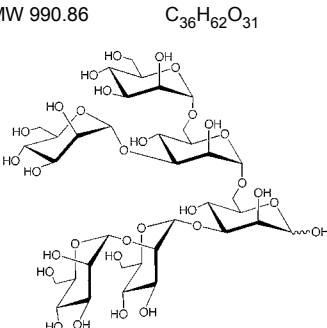
\$ 665

HEX-002

Manα-3[Manα-6]Manα-6[Manα-2Manα-3]Man

MW 990.86

C<sub>36</sub>H<sub>62</sub>O<sub>31</sub>



0.0001 g

\$ 170

0.0002 g

\$ 255

0.0005 g

\$ 420

0.001 g

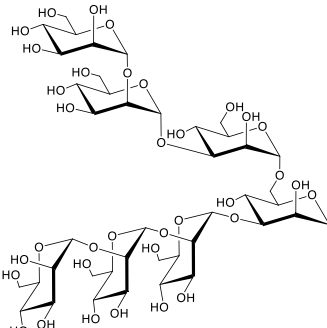
\$ 665

OLI-005

Manα-2Manα-2Manα-3[Manα-2Manα-3Manα-6]Man

MW 1153.00

C<sub>42</sub>H<sub>72</sub>O<sub>36</sub>



0.0001 g

\$ 195

0.0002 g

\$ 315

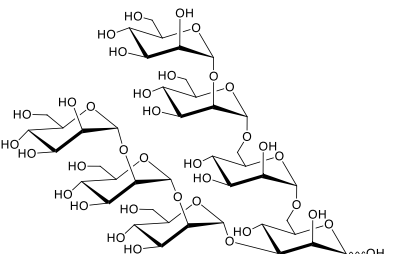
0.0005 g

\$ 605

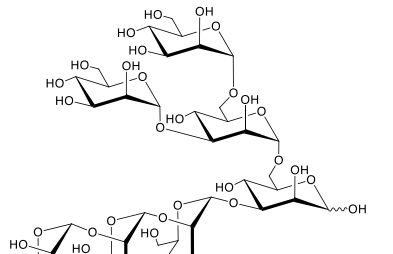
0.001 g

\$ 970

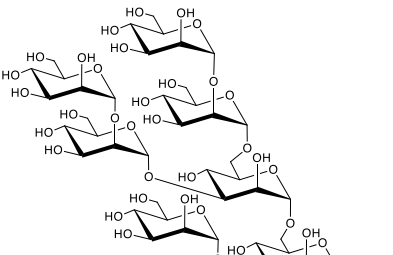
**OLI-006**      **Man $\alpha$ -2Man $\alpha$ -2Man $\alpha$ -3**  
**[Man $\alpha$ -2Man $\alpha$ -6Man $\alpha$ -6]Man**

MW 1153.00	C <sub>42</sub> H <sub>72</sub> O <sub>36</sub>		
		0.0001 g	\$ 195
		0.0002 g	\$ 315
		0.0005 g	\$ 605
		0.001 g	\$ 970

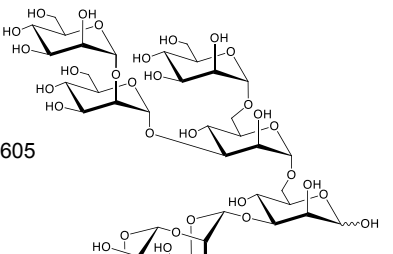
**OLI-010**      **Man $\alpha$ -2Man $\alpha$ -2Man $\alpha$ -3[Man $\alpha$ -3**  
**[Man $\alpha$ -6]Man $\alpha$ -6]Man**  
(Man $\alpha$ -3[Man $\alpha$ -6]Man $\alpha$ -6[Man $\alpha$ -2Man $\alpha$ -  
2Man $\alpha$ -3]Man)

MW 1153.00	C <sub>42</sub> H <sub>72</sub> O <sub>36</sub>		
		0.0001 g	\$ 195
		0.0002 g	\$ 315
		0.0005 g	\$ 605
		0.001 g	\$ 970

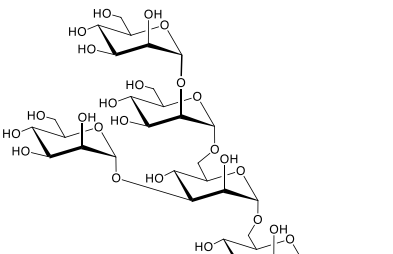
**OLI-012**      **Man $\alpha$ -2Man $\alpha$ -3[Man $\alpha$ -2Man $\alpha$ -6]**  
**Man $\alpha$ -6**  
**[Man $\alpha$ -3]Man**

MW 1153.00	C <sub>42</sub> H <sub>72</sub> O <sub>36</sub>		
		0.0001 g	\$ 195
		0.0002 g	\$ 315
		0.0005 g	\$ 605
		0.001 g	\$ 970

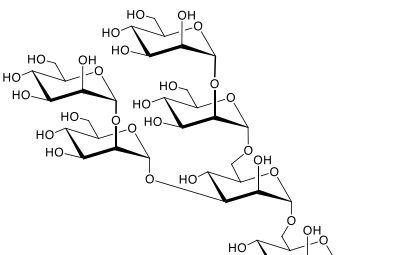
**OLI-007**      **Man $\alpha$ -2Man $\alpha$ -3[Man $\alpha$ -6]Man $\alpha$ -6**  
**[Man $\alpha$ -2Man $\alpha$ -3]Man**

MW 1153.00	C <sub>42</sub> H <sub>72</sub> O <sub>36</sub>		
		0.0001 g	\$ 195
		0.0002 g	\$ 315
		0.0005 g	\$ 605
605		0.001 g	\$ 970

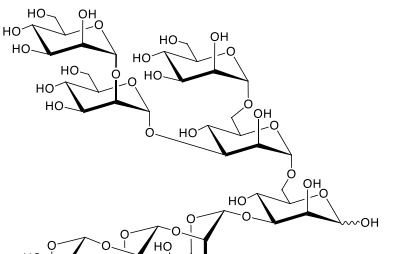
**OLI-013**      **Man $\alpha$ -2Man $\alpha$ -6[Man $\alpha$ -3]Man $\alpha$ -6**  
**[Man $\alpha$ -2Man $\alpha$ -3]Man**

MW 1153.00	C <sub>42</sub> H <sub>72</sub> O <sub>36</sub>		
		0.0001 g	\$ 195
		0.0002 g	\$ 315
		0.0005 g	\$ 605
		0.001 g	\$ 970

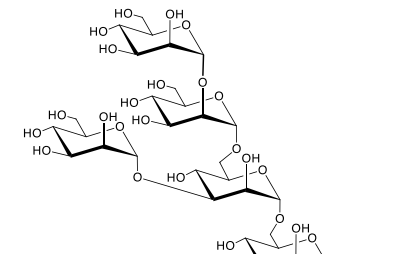
**OLI-014**      **Man $\alpha$ -2Man $\alpha$ -3[Man $\alpha$ -2Man $\alpha$ -6]**  
**Man $\alpha$ -6**  
**[Man $\alpha$ -2Man $\alpha$ -3]Man**

MW 1315.14	C <sub>48</sub> H <sub>82</sub> O <sub>41</sub>		
		0.0001 g	\$ 220
		0.0002 g	\$ 365
		0.0005 g	\$ 725
		0.001 g	\$ 1210

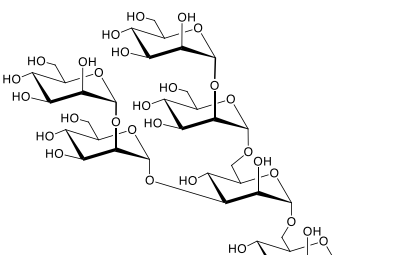
**OLI-008**      **Man $\alpha$ -2Man $\alpha$ -3[Man $\alpha$ -6]Man $\alpha$ -6**  
**[Man $\alpha$ -2Man $\alpha$ -2Man $\alpha$ -3]Man**

MW 1315.14	C <sub>48</sub> H <sub>82</sub> O <sub>41</sub>		
		0.0001 g	\$ 220
		0.0002 g	\$ 365
		0.0005 g	\$ 725
		0.001 g	\$ 1210

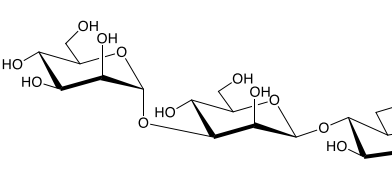
**OLI-015**      **Man $\alpha$ -2Man $\alpha$ -6[Man $\alpha$ -3]Man $\alpha$ -6**  
**[Man $\alpha$ -2Man $\alpha$ -2Man $\alpha$ -3]Man**

MW 1315.14	C <sub>48</sub> H <sub>82</sub> O <sub>41</sub>		
		0.0001 g	\$ 220
		0.0002 g	\$ 365
		0.0005 g	\$ 725
		0.001 g	\$ 1210

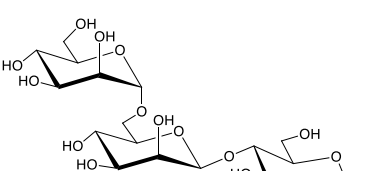
**OLI-009**      **Man $\alpha$ -2Man $\alpha$ -3[Man $\alpha$ -2Man $\alpha$ -6]**  
**Man $\alpha$ -6[Man $\alpha$ -2Man $\alpha$ -2Man $\alpha$ -3]Man**

MW 1477.28	C <sub>54</sub> H <sub>92</sub> O <sub>46</sub>		
		0.0001 g	\$ 245
		0.0002 g	\$ 420
		0.0005 g	\$ 905
		0.001 g	\$ 1450

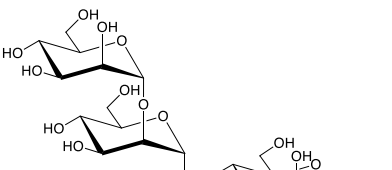
**TRI-015**      **Man $\alpha$ -3Man $\beta$ -4GlcNAc**

MW 545.49	C <sub>20</sub> H <sub>35</sub> NO <sub>16</sub>		
		Request Price	

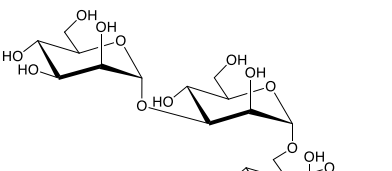
**TRI-016**      **Man $\alpha$ -6Man $\beta$ -4GlcNAc**

MW 545.49	C <sub>20</sub> H <sub>35</sub> NO <sub>16</sub>		
		Request Price	

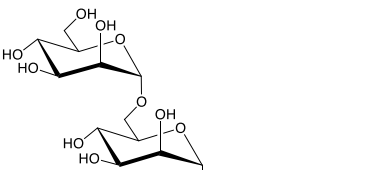
**TET-020**      **Man $\alpha$ -2Man $\alpha$ -3Man $\beta$ -4GlcNAc**

MW 707.63	C <sub>26</sub> H <sub>45</sub> NO <sub>21</sub>		
		Request Price	

**TET-021**      **Man $\alpha$ -3Man $\alpha$ -6Man $\beta$ -4GlcNAc**

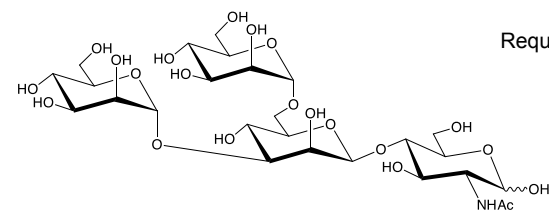
MW 707.63	C <sub>26</sub> H <sub>45</sub> NO <sub>21</sub>		
		Request Price	

**TET-022**      **Man $\alpha$ -6Man $\alpha$ -6Man $\beta$ -4GlcNAc**

MW 707.63	C <sub>26</sub> H <sub>45</sub> NO <sub>21</sub>		
		Request Price	

**TET-018**      **Man $\alpha$ -3[Man $\alpha$ -6]Man $\beta$ -4GlcNAc**

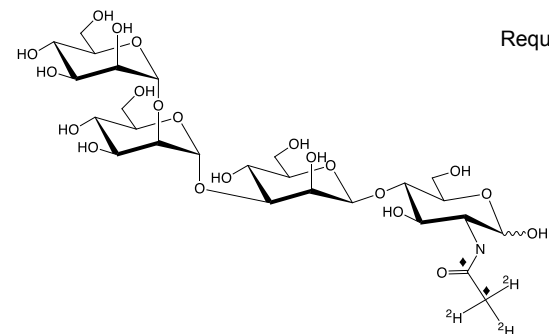
MW 707.63

C<sub>26</sub>H<sub>45</sub>NO<sub>21</sub>

Request Price

**TET-049**      **Man $\alpha$ -2Man $\alpha$ -3Man $\beta$ -4GlcN[1,2-13C<sub>2</sub>; 2-2H<sub>3</sub>]Ac**

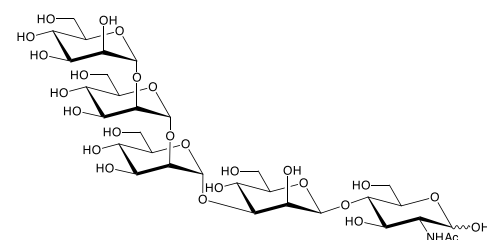
MW 712.63

<sup>13</sup>C<sub>2</sub>C<sub>24</sub><sup>2</sup>H<sub>3</sub>H<sub>42</sub>NO<sub>21</sub>

Request Price

**PEN-017**      **Man $\alpha$ -2Man $\alpha$ -2Man $\alpha$ -3Man $\beta$ -4GlcNAc**

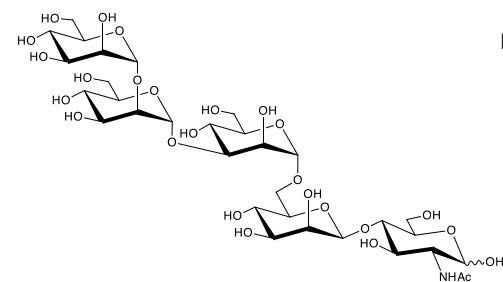
MW 869.77

C<sub>32</sub>H<sub>55</sub>NO<sub>26</sub>

Request Price

**PEN-018**      **Man $\alpha$ -2Man $\alpha$ -3Man $\alpha$ -6Man $\beta$ -4GlcNAc**

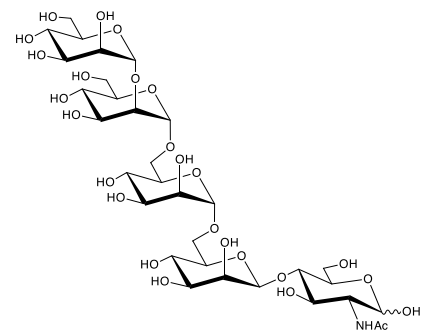
MW 869.77

C<sub>32</sub>H<sub>55</sub>NO<sub>26</sub>

Request Price

**PEN-019**      **Man $\alpha$ -2Man $\alpha$ -6Man $\alpha$ -6Man $\beta$ -4GlcNAc**

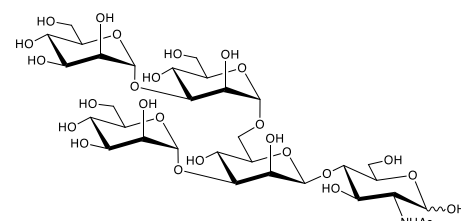
MW 869.77

C<sub>32</sub>H<sub>55</sub>NO<sub>26</sub>

Request Price

**PEN-013**      **Man $\alpha$ -3Man $\alpha$ -6[Man $\alpha$ -3]Man $\beta$ -4GlcNAc**

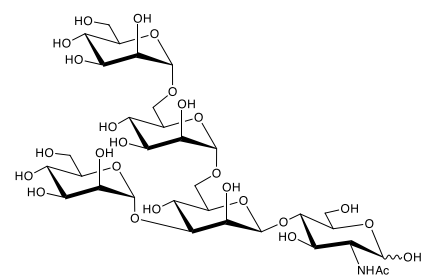
MW 869.77

C<sub>32</sub>H<sub>55</sub>NO<sub>26</sub>

Request Price

**PEN-014**      **Man $\alpha$ -6Man $\alpha$ -6[Man $\alpha$ -3]Man $\beta$ -4GlcNAc**

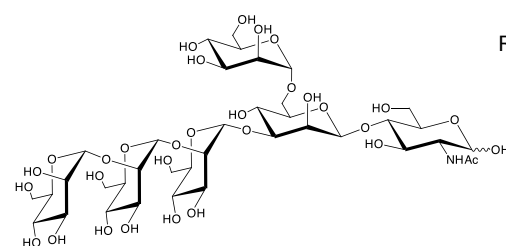
MW 869.77

C<sub>32</sub>H<sub>55</sub>NO<sub>26</sub>

Request Price

**HEX-019**      **Man $\alpha$ -2Man $\alpha$ -2Man $\alpha$ -3[Man $\alpha$ -6]Man $\beta$ -4GlcNAc**

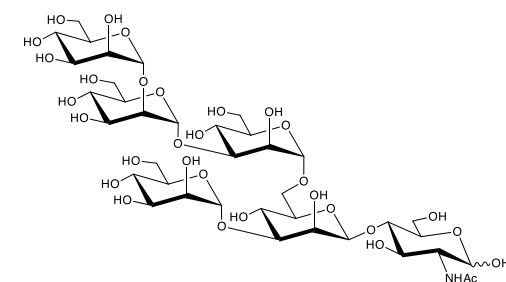
MW 1031.91

C<sub>38</sub>H<sub>65</sub>NO<sub>31</sub>

Request Price

**HEX-008**      **Man $\alpha$ -2Man $\alpha$ -3Man $\alpha$ -6[Man $\alpha$ -3]Man $\beta$ -4GlcNAc**

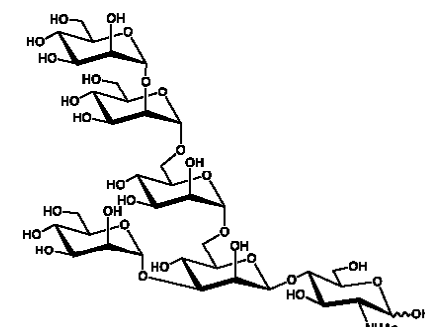
MW 1031.91

C<sub>38</sub>H<sub>65</sub>NO<sub>31</sub>

Request Price

**HEX-009**      **Man $\alpha$ -2Man $\alpha$ -6Man $\alpha$ -6[Man $\alpha$ -3]Man $\beta$ -4GlcNAc**

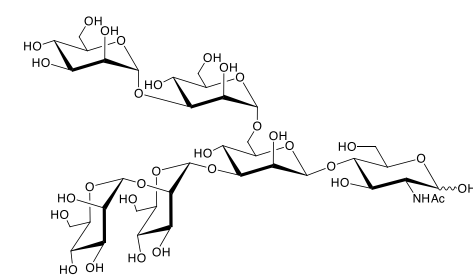
MW 1031.91

C<sub>38</sub>H<sub>65</sub>NO<sub>31</sub>

Request Price

**HEX-018**      **Man $\alpha$ -2Man $\alpha$ -3[Man $\alpha$ -3Man $\alpha$ -6]Man $\beta$ -4GlcNAc**

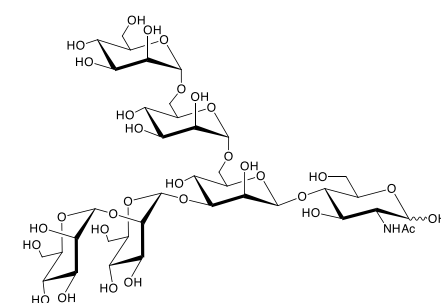
MW 1031.91

C<sub>38</sub>H<sub>65</sub>NO<sub>31</sub>

Request Price

**HEX-017**      **Man $\alpha$ -2Man $\alpha$ -3[Man $\alpha$ -6Man $\alpha$ -6]Man $\beta$ -4GlcNAc**

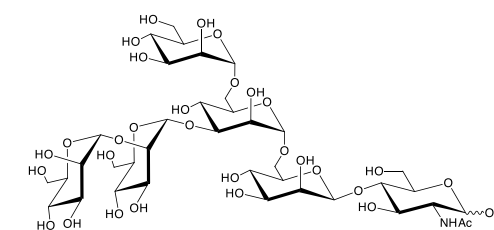
MW 1031.91

C<sub>38</sub>H<sub>65</sub>NO<sub>31</sub>

Request Price

**HEX-016**      **Man $\alpha$ -2Man $\alpha$ -3[Man $\alpha$ -6]Man $\alpha$ -6Man $\beta$ -4GlcNAc**

MW 1031.91

C<sub>38</sub>H<sub>65</sub>NO<sub>31</sub>

Request Price

**HEX-020**      **Man $\alpha$ -2Man $\alpha$ -6[Man $\alpha$ -3]Man $\alpha$ -6Man $\beta$ -4GlcNAc**

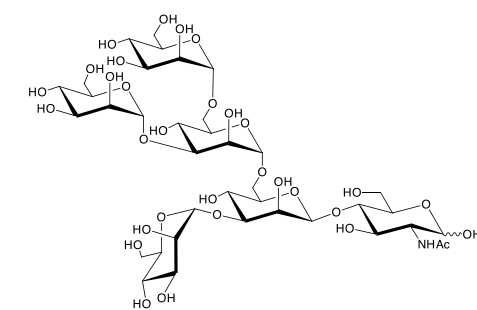
MW 1031.91

C<sub>38</sub>H<sub>65</sub>NO<sub>31</sub>

Request Price

**HEX-015**      **Man $\alpha$ -3[Man $\alpha$ -6]Man $\alpha$ -6[Man $\alpha$ -3]Man $\beta$ -4GlcNAc**

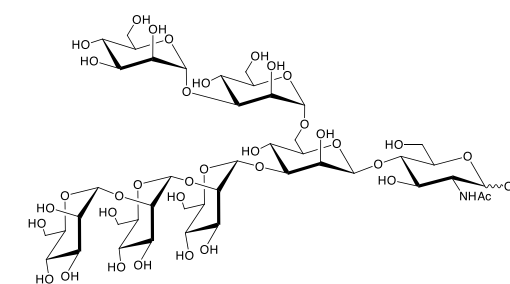
MW 1031.91

C<sub>38</sub>H<sub>65</sub>NO<sub>31</sub>

Request Price

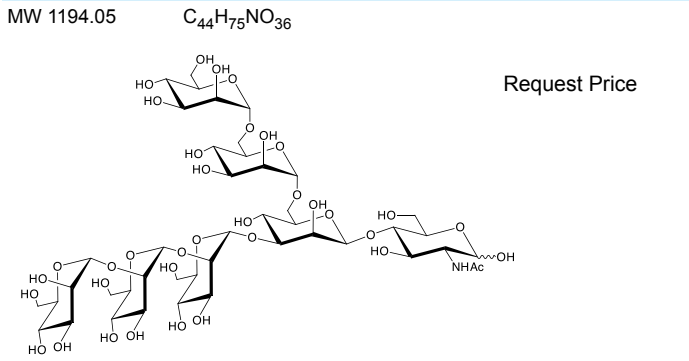
**OLI-019**      **Man $\alpha$ -2Man $\alpha$ -2Man $\alpha$ -3[Man $\alpha$ -3Man $\alpha$ -6]Man $\beta$ -4GlcNAc**

MW 1194.05

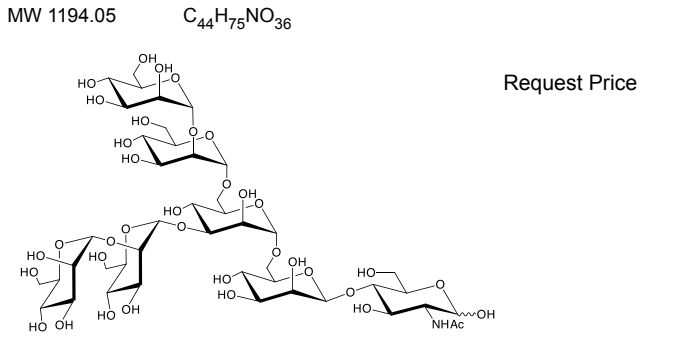
C<sub>44</sub>H<sub>75</sub>NO<sub>36</sub>

Request Price

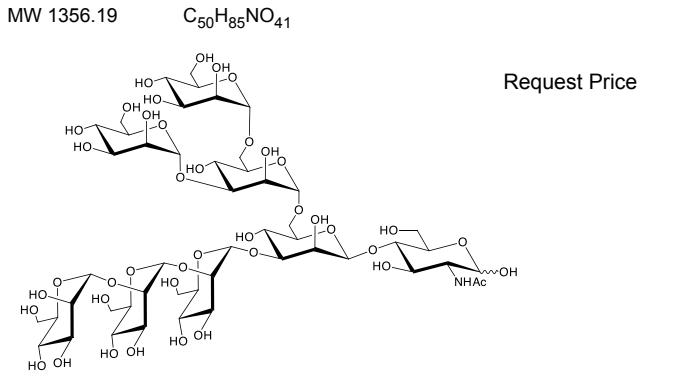
**OLI-020**      **Man $\alpha$ -2Man $\alpha$ -2Man $\alpha$ -3**  
**[Man $\alpha$ -6Man $\alpha$ -6]Man $\beta$ -4GlcNAc**



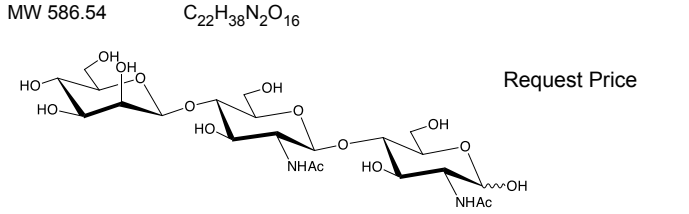
**OLI-021**      **Man $\alpha$ -2Man $\alpha$ -3[Man $\alpha$ -2Man $\alpha$ -6]**  
**Man $\alpha$ -6Man $\beta$ -4GlcNAc**



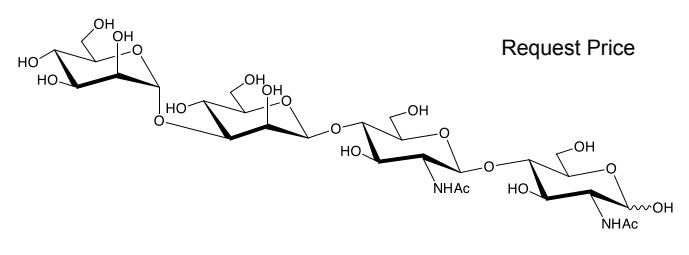
**OLI-026**      **Man $\alpha$ -2Man $\alpha$ -2Man $\alpha$ -3[Man $\alpha$ -3**  
**[Man $\alpha$ -6]Man $\alpha$ -6]Man $\beta$ -4GlcNAc**



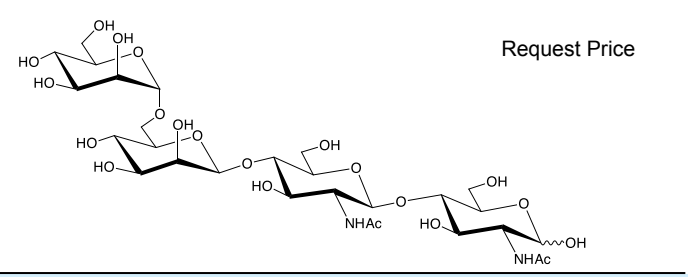
**TRI-019**      **Man $\beta$ -4GlcNAc $\beta$ -4GlcNAc**  
( $\beta$ D-Man $p$ (1 $\rightarrow$ 4) $\beta$ D-Glc $p$ NAc(1 $\rightarrow$ 4)D-Glc $p$ NAc)



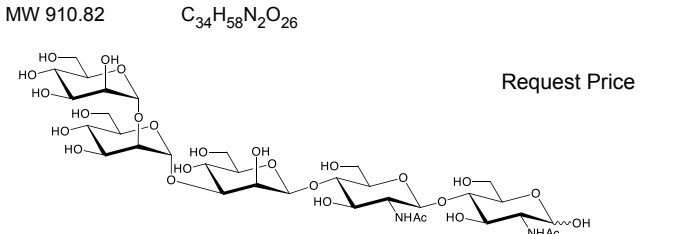
**TET-032**      **Man $\alpha$ 1-3Man $\beta$ -4GlcNAc $\beta$ -4GlcNAc**



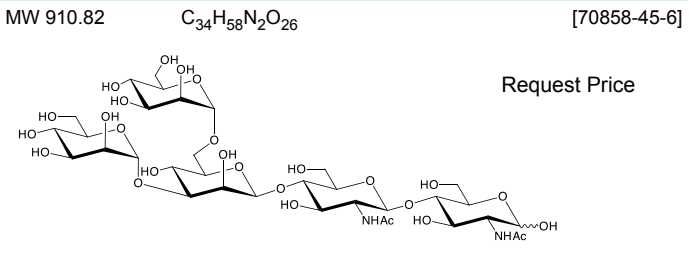
**TET-031**      **Man $\alpha$ 1-6Man $\beta$ -4GlcNAc $\beta$ -4GlcNAc**



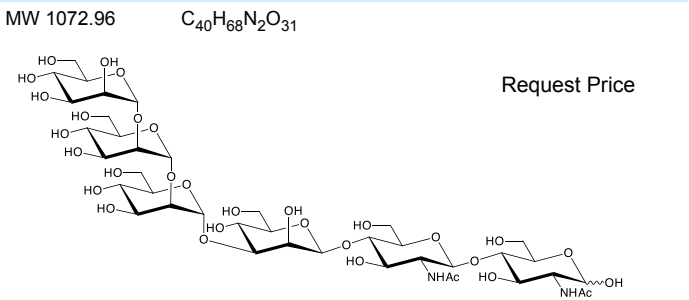
**PEN-023**      **Man $\alpha$ -2Man $\alpha$ -3Man $\beta$ -4GlcNAc $\beta$ -**  
**4GlcNAc**



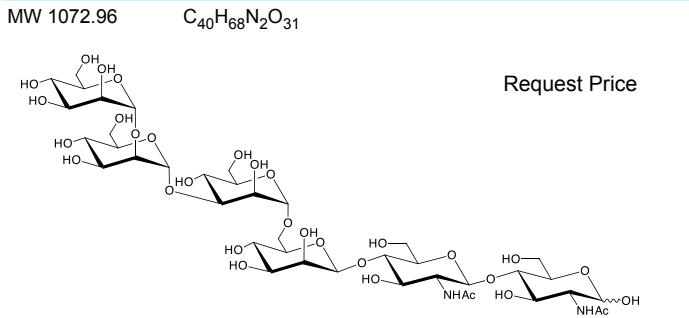
**PEN-016**      **Man $\alpha$ -3[Man $\alpha$ -6]Man $\beta$ -4GlcNAc $\beta$ -**  
**4GlcNAc**



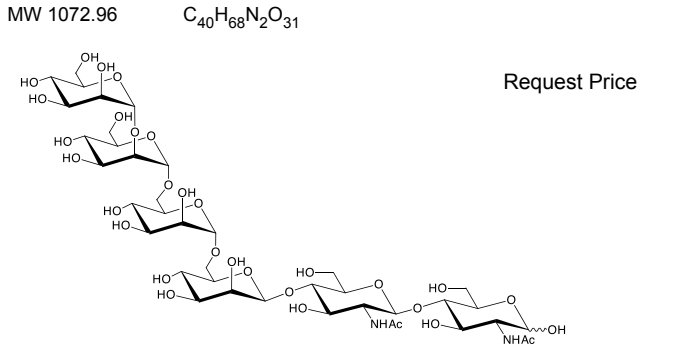
**HEX-013**      **Man $\alpha$ -2Man $\alpha$ -2Man $\alpha$ -3Man $\beta$ -**  
**4GlcNAc $\beta$ -4GlcNAc**



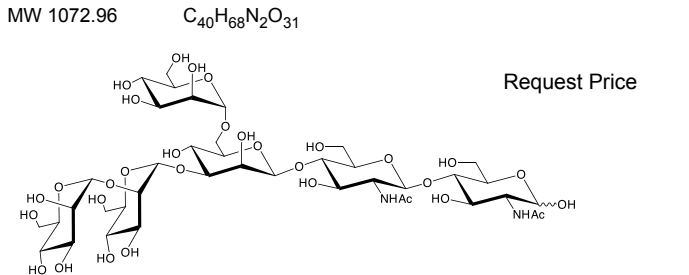
**HEX-023**      **Man $\alpha$ -2Man $\alpha$ -3Man $\alpha$ -6Man $\beta$ -**  
**4GlcNAc $\beta$ -4GlcNAc**



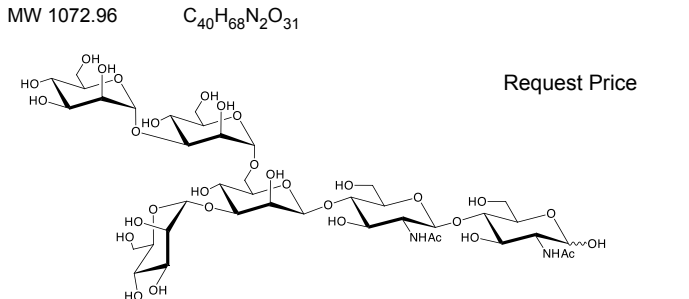
**HEX-024**      **Man $\alpha$ -2Man $\alpha$ -6Man $\alpha$ -6Man $\beta$ -**  
**4GlcNAc $\beta$ -4GlcNAc**



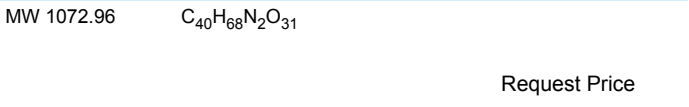
**HEX-026**      **Man $\alpha$ -2Man $\alpha$ -3[Man $\alpha$ -6]**  
**Man $\beta$ -4GlcNAc $\beta$ -4GlcNAc**



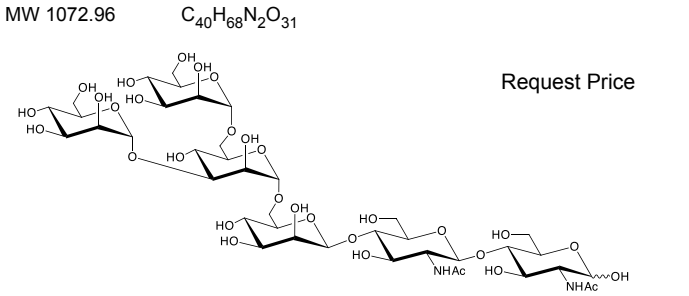
**HEX-028**      **Man $\alpha$ -3Man $\alpha$ -6[Man $\alpha$ -3]**  
**Man $\beta$ -4GlcNAc $\beta$ -4GlcNAc**



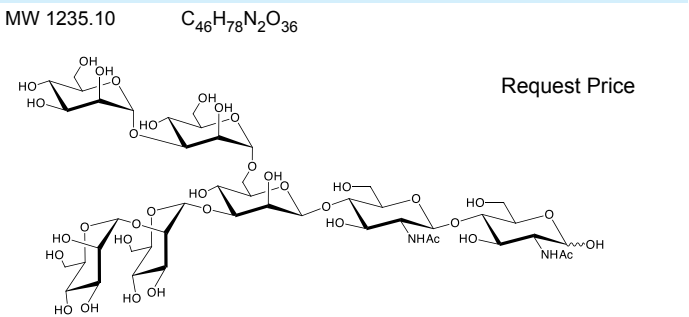
**HEX-027**      **Man $\alpha$ -6Man $\alpha$ -6[Man $\alpha$ -3]**  
**Man $\beta$ -4GlcNAc $\beta$ -4GlcNAc**



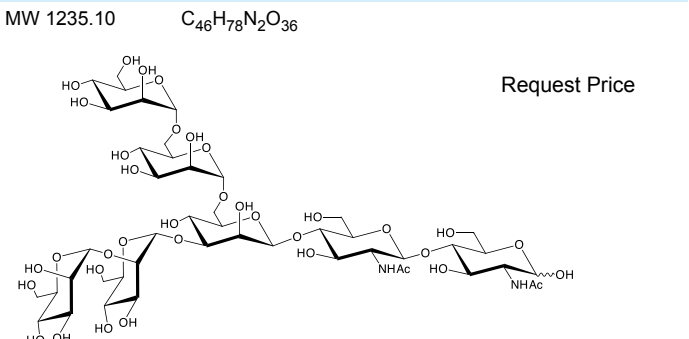
**HEX-025**      **Man $\alpha$ -3[Man $\alpha$ -6]**  
**Man $\alpha$ -6Man $\beta$ -4GlcNAc $\beta$ -4GlcNAc**



**OLI-023**      **Man $\alpha$ -2Man $\alpha$ -3[Man $\alpha$ -3Man $\alpha$ -6]**  
**Man $\beta$ -4GlcNAc $\beta$ -4GlcNAc**

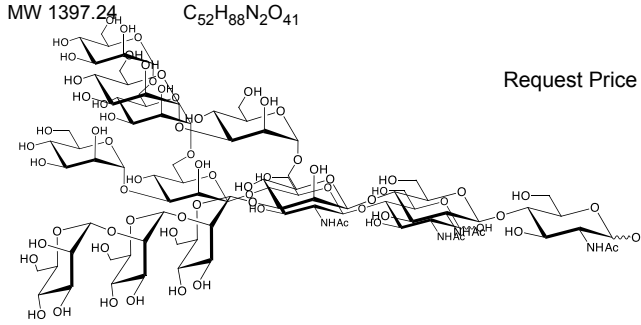


**OLI-024**      **Man $\alpha$ -2Man $\alpha$ -3[Man $\alpha$ -6Man $\alpha$ -6]**  
**Man $\beta$ -4GlcNAc $\beta$ -4GlcNAc**

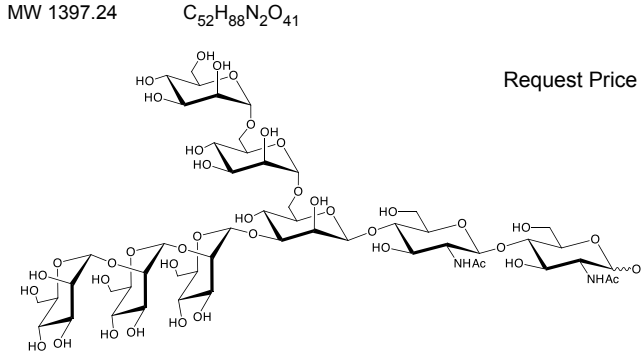




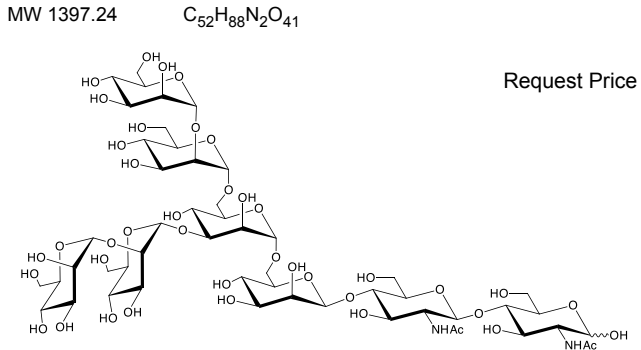
**OLI-011      Manα-2Manα-2Manα-3  
[Manα-3Manα-6]Manβ-4GlcNAcβ-  
4GlcNAc**



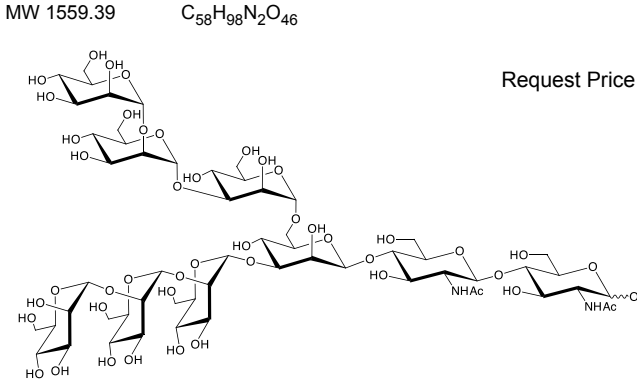
**OLI-018      Manα-2Manα-2Manα-3  
[Manα-6Manα-6]Manβ-4GlcNAcβ-  
4GlcNAc**



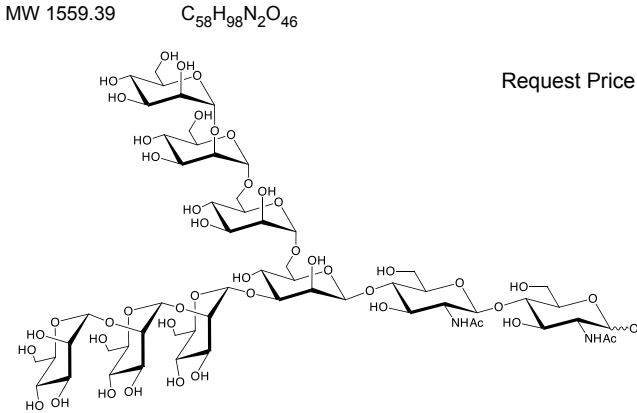
**OLI-025      Manα-2Manα-3[Manα-2Manα-6]  
Manα-6Manβ-4GlcNAcβ-4GlcNAc**



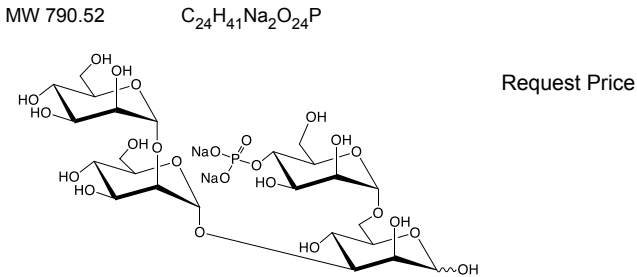
**OLI-016      Manα-2Manα-2Manα-3  
[Manα-2Manα-3Manα-6]Manβ-  
4GlcNAcβ-4GlcNAc**



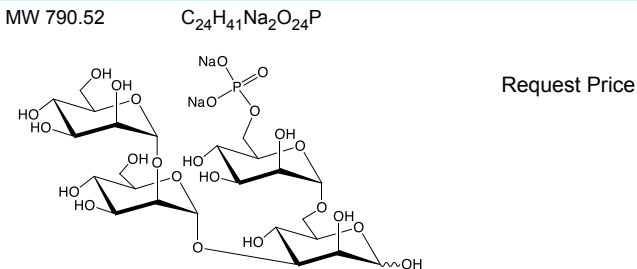
**OLI-017      Manα-2Manα-2Manα-3  
[Manα-2Manα-6Manα-6]Manβ-  
4GlcNAcβ-4GlcNAc**



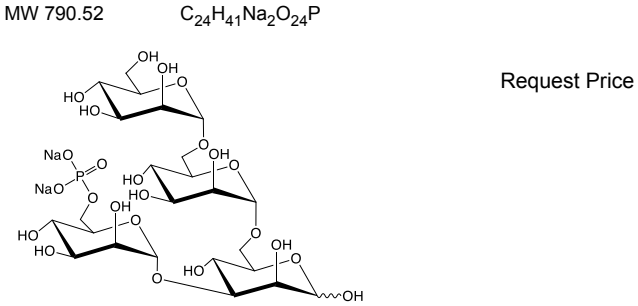
**TET-044      Manα-2Manα-3[Man4Pα-6]Man  
disodium salt**



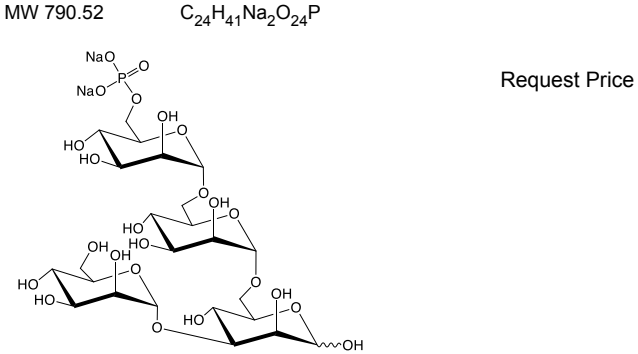
**TET-043      Manα-2Manα-3[Man6Pα-6]Man  
disodium salt**



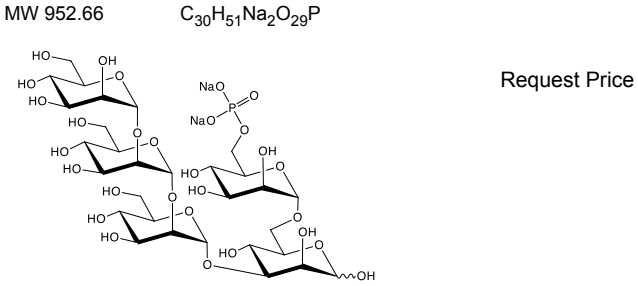
**TET-041      Manα-6Manα-6[Man6Pα-3]Man  
disodium salt**



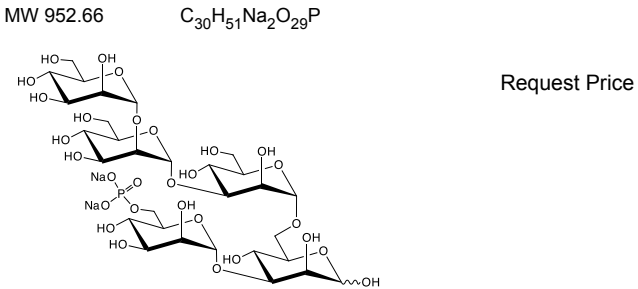
**TET-042      Man6Pα-6Manα-6[Manα-3]Man  
disodium salt**



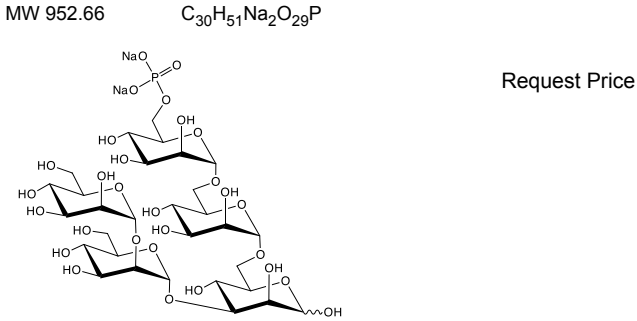
**PEN-022      Manα-2Manα-2Manα-3[Man6Pα-6]Man  
disodium salt**



**PEN-021      Manα-2Manα-3Manα-6[Man6Pα-3]Man  
disodium salt**



**PEN-020      Manα-2Manα-3[Man6Pα-6Manα-6]Man  
disodium salt**



**mannose triflate**  
see tetra-acetyl-trifluoromethanesulfonyl-mannopyranose *page 107*

**GLC-065      methyl α-D-[1-<sup>13</sup>C]glucopyranoside**  
MW 195.17      <sup>13</sup>CC<sub>6</sub>H<sub>14</sub>O<sub>6</sub>      [97-30-3]<sup>UN</sup>



**GLC-066      methyl β-D-[1-<sup>13</sup>C]glucopyranoside**  
MW 195.17      <sup>13</sup>CC<sub>6</sub>H<sub>14</sub>O<sub>6</sub>      [709-50-2]<sup>UN</sup>



**GLC-063      methyl α-D-[3-<sup>2</sup>H]glucopyranoside**  
MW 195.19      C<sub>7</sub><sup>2</sup>HH<sub>13</sub>O<sub>6</sub>      [97-30-3]<sup>UN</sup>

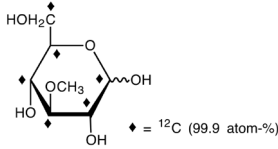


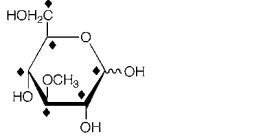
**GLC-064      methyl β-D-[3-<sup>2</sup>H]glucopyranoside**  
MW 195.19      C<sub>7</sub><sup>2</sup>HH<sub>13</sub>O<sub>6</sub>      [709-50-2]<sup>UN</sup>

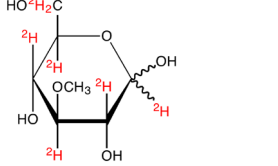


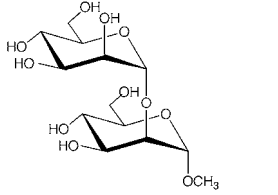
**GLC-044      3-O-methyl-D-[6-<sup>13</sup>C]glucose**  
MW 195.18      <sup>13</sup>CC<sub>6</sub>H<sub>14</sub>O<sub>6</sub>      [478529-34-9]

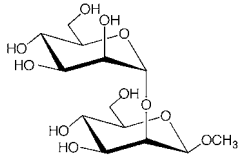


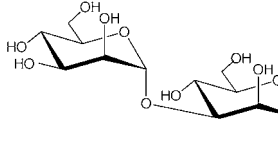
<b>GLC-157</b>	<b>3-O-methyl-D-[UL-<sup>12</sup>C<sub>6</sub>]glucose (<sup>13</sup>C depleted)</b>
MW 194.12	<sup>12</sup> C <sub>6</sub> H <sub>14</sub> O <sub>6</sub> [13224-94-7] <sup>UN</sup>
	0.1 g \$ 335

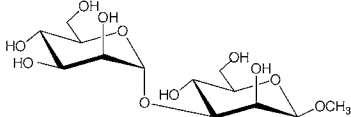
<b>GLC-120</b>	<b>3-O-methyl-D-[UL-<sup>13</sup>C<sub>6</sub>]glucose</b>
MW 200.14	<sup>13</sup> C <sub>6</sub> H <sub>14</sub> O <sub>6</sub> [13224-94-7] <sup>UN</sup>
	0.25 g \$ 610 0.5 g \$ 975 1 g \$ 1460

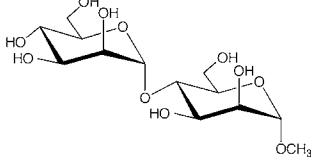
<b>GLC-161</b>	<b>3-O-methyl-D-[UL-<sup>2</sup>H<sub>7</sub>]glucose</b>
MW 201.23	C <sub>7</sub> <sup>2</sup> H <sub>7</sub> H <sub>7</sub> O <sub>6</sub> [13224-94-7] <sup>UN</sup>
	Request Price

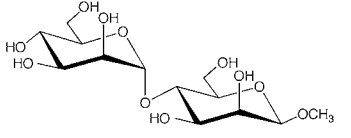
<b>DIS-002</b>	<b>methyl 2-O-(α-D-mannopyranosyl)-α-D-mannopyranoside</b>
MW 356.33	C <sub>13</sub> H <sub>24</sub> O <sub>11</sub> [59571-75-4]
	0.01 g \$ 250 0.025 g \$ 490 0.05 g \$ 810

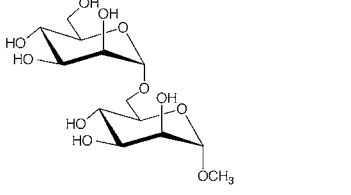
<b>DIS-003</b>	<b>methyl 2-O-(α-D-mannopyranosyl)-β-D-mannopyranoside</b>
MW 356.33	C <sub>13</sub> H <sub>24</sub> O <sub>11</sub>
	Request Price

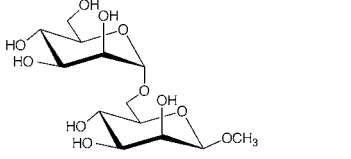
<b>DIS-004</b>	<b>methyl 3-O-(α-D-mannopyranosyl)-α-D-mannopyranoside</b>
MW 356.33	C <sub>13</sub> H <sub>24</sub> O <sub>11</sub> [72028-62-7]
	0.05 g \$ 250 0.1 g \$ 395 0.25 g \$ 785

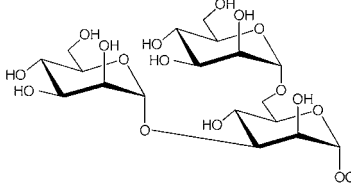
<b>DIS-005</b>	<b>methyl 3-O-(α-D-mannopyranosyl)-β-D-mannopyranoside</b>
MW 356.33	C <sub>13</sub> H <sub>24</sub> O <sub>11</sub> [187395-69-3]
	Request Price

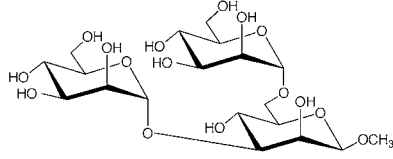
<b>DIS-006</b>	<b>methyl 4-O-(α-D-mannopyranosyl)-α-D-mannopyranoside</b>
MW 356.33	C <sub>13</sub> H <sub>24</sub> O <sub>11</sub> [70427-91-7]
	Request Price

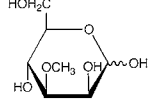
<b>DIS-007</b>	<b>methyl 4-O-(α-D-mannopyranosyl)-β-D-mannopyranoside</b>
MW 356.33	C <sub>13</sub> H <sub>24</sub> O <sub>11</sub>
	Request Price

<b>DIS-008</b>	<b>methyl 6-O-(α-D-mannopyranosyl)-α-D-mannopyranoside</b>
MW 356.33	C <sub>13</sub> H <sub>24</sub> O <sub>11</sub> [78962-39-7]
	0.005 g \$ 490

<b>DIS-009</b>	<b>methyl 6-O-(α-D-mannopyranosyl)-β-D-mannopyranoside</b>
MW 356.33	C <sub>13</sub> H <sub>24</sub> O <sub>11</sub> [100896-85-3]
	0.005 g \$ 975

<b>TRI-001</b>	<b>methyl 3,6-di-O-(α-D-manno-pyranosyl)-α-D-mannopyranoside</b>
MW 518.47	C <sub>19</sub> H <sub>34</sub> O <sub>16</sub> [68601-74-1]
	0.01 g \$ 200 0.025 g \$ 370 0.05 g \$ 610

<b>TRI-002</b>	<b>methyl 3,6-di-O-(α-D-manno-pyranosyl)-β-D-mannopyranoside</b>
MW 518.47	C <sub>19</sub> H <sub>34</sub> O <sub>16</sub>
	Request Price

<b>MAN-053</b>	<b>3-O-methyl-D-mannose</b>
MW 194.18	C <sub>7</sub> H <sub>14</sub> O <sub>6</sub> [2922-60-3]
	Request Price

<b>5-methyl-uridine</b>
see ribothymidine <i>page 103</i>

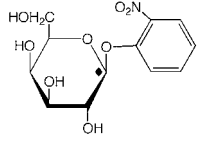
<b>NANA-galacto-N-biose</b>
see N-acetylneuraminic acid-Gal-GalNAc <i>page 25</i>

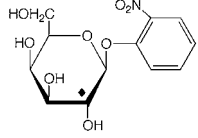
<b>neotrehalose</b>
see trehalose <i>page 109</i>

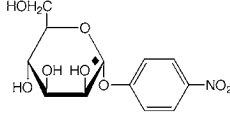
<b>Neu5Ac</b>
see N-acetylneuraminic acid <i>page 23</i>

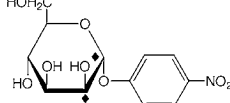
<b>NeuNAc-Gal-GalNAc</b>
see N-acetylneuraminic acid-Gal-GalNAc <i>page 25</i>

<b>NeuNAc-Gal-Glc</b>
see sialyl-lactose <i>page 10</i>

<b>GAL-025</b>	<b>2-nitrophenyl β-D-[1-<sup>13</sup>C]galacto-pyranoside</b>
MW 302.24	<sup>13</sup> CC <sub>11</sub> H <sub>15</sub> NO <sub>8</sub> [369-07-3] <sup>UN</sup>
	0.1 g \$ 275

<b>GAL-026</b>	<b>2-nitrophenyl β-D-[2-<sup>13</sup>C]galacto-pyranoside</b>
MW 302.24	<sup>13</sup> CC <sub>11</sub> H <sub>15</sub> NO <sub>8</sub> [369-07-3] <sup>UN</sup>
	Request Price

<b>MAN-021</b>	<b>4-nitrophenyl α-D-[1-<sup>13</sup>C]manno-pyranoside</b>
MW 302.24	<sup>13</sup> CC <sub>11</sub> H <sub>15</sub> NO <sub>8</sub> [10357-27-4] <sup>UN</sup>
	Request Price

<b>MAN-020</b>	<b>4-nitrophenyl α-D-[1,2-<sup>13</sup>C<sub>2</sub>]manno-pyranoside</b>
MW 303.23	<sup>13</sup> C <sub>2</sub> C <sub>10</sub> H <sub>15</sub> NO <sub>8</sub> [10357-27-4] <sup>UN</sup>
	Request Price

<b>pentaacetylchitopentaose</b>
see N-acetylglucosamine oligomers <i>page 22</i>

<b>Potassium altruronate</b>
see altruronic acid <i>page 30</i>

<b>Potassium arabinonate</b>
see arabinonic acid <i>page 34</i>

<b>Potassium fuconate</b>
see fuconic acid <i>page 49</i>

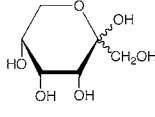
<b>Potassium galacturonate</b>
see galacturonic acid <i>page 54</i>

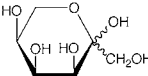
<b>Potassium gluconate</b>
see gluconic acid <i>page 61</i>

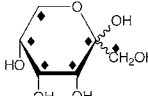
<b>Potassium lyxonate</b>
see lyxonic acid <i>page 77</i>

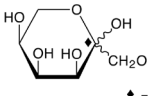
<b>Potassium talonate</b>
see talonic acid <i>page 106</i>


<b>Potassium xylonate</b>
see xylonic acid <i>page 113</i>

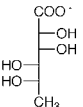
<b>PSI-001</b>	<b>D-psicose</b>
MW 180.16	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> [551-68-8]
	0.1 g \$ 130 0.25 g \$ 185 0.5 g \$ 305 1 g \$ 490

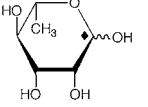
PSI-002	L-psicose			
MW 180.16	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	[16354-64-6]		
	0.1 g	\$	350	
	0.25 g	\$	730	
	0.5 g	\$	1215	
	1 g	\$	2185	

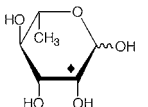
PSI-003	D-[UL- <sup>13</sup> C <sub>6</sub> ]psicose		
MW 186.11	<sup>13</sup> C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	[551-68-8] <sup>UN</sup>	
		Request Price	

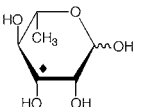
PSI-004		L-[1- <sup>13</sup> C]psicose	
MW 180.16	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub>	[16354-64-6] <sup>UN</sup>	
		Request Price	
◆ = <sup>13</sup> C			

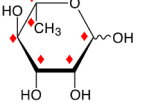
PYR-002	[ <sup>13</sup> C <sub>3</sub> ]pyruvic acid, sodium salt (Sodium [ <sup>13</sup> C <sub>3</sub> ]pyruvate)			
MW 113.02	<sup>13</sup> C <sub>3</sub> H <sub>3</sub> NaO <sub>3</sub>	[142014-11-7]		
	0.1 g	\$	275	
	0.25 g	\$	540	
	0.5 g	\$	955	
	1 g	\$	1825	


RHA-004	L-rhamnonic acid, sodium salt (Sodium L-rhamnonate)			
MW 202.14	C <sub>6</sub> H <sub>11</sub> NaO <sub>6</sub>	[159929-82-5]		
	0.1 g	\$	225	
	0.25 g	\$	430	


RHA-001	L-[1- <sup>13</sup> C]rhamnose monohydrate (6-deoxy-L-[1- <sup>13</sup> C]mannose monohydrate)			
MW 183.16	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>5</sub> ·H <sub>2</sub> O	[478511-48-7]		
	0.05 g	\$	235	
	0.1 g	\$	410	
	0.25 g	\$	840	


<b>RHA-002</b>	<b>L-[2-<sup>13</sup>C]rhamnose monohydrate</b> (6-deoxy-L-[2- <sup>13</sup> C]mannose monohydrate)		
MW 183.16	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>5</sub> ·H <sub>2</sub> O	[478511-51-2]	
	Request Price		


RHA-003	L-[3- <sup>13</sup> C]rhamnose monohydrate (6-deoxy-L-[3- <sup>13</sup> C]mannose monohydrate)			
MW 183.16	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>5</sub> ·H <sub>2</sub> O	[478511-54-5]		
	0.001 g	\$	170	
	0.002 g	\$	280	
	0.005 g	\$	610	


RHA-005	L-[UL- <sup>13</sup> C <sub>6</sub> ]rhamnose monohydrate (6-deoxy-L-[UL- <sup>13</sup> C <sub>6</sub> ]mannose monohydrate)			
MW 188.12	<sup>13</sup> C <sub>6</sub> H <sub>12</sub> O <sub>5</sub> ·H <sub>2</sub> O	[10030-85-0] <sup>UN</sup>		
	0.001 g	\$	335	
	0.002 g	\$	610	
	0.005 g	\$	1325	


RIB-034	ribaric acid, disodium salt (Disodium ribarate)			
MW 224.08	C <sub>5</sub> H <sub>6</sub> Na <sub>2</sub> O <sub>7</sub>			
	0.25 g	\$	590	

ALD-032	D-[1- <sup>13</sup> C]ribitol (D-[1- <sup>13</sup> C]adonitol)			
MW 153.14	<sup>13</sup> CC <sub>4</sub> H <sub>12</sub> O <sub>5</sub>	[488-81-3] <sup>UN</sup>		
	0.25 g	\$	325	
	0.5 g	\$	550	
	1 g	\$	915	

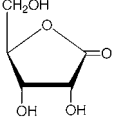
ALD-033	D-[2- <sup>13</sup> C]ribitol (D-[2- <sup>13</sup> C]adonitol)			
MW 153.14	<sup>13</sup> CC <sub>4</sub> H <sub>12</sub> O <sub>5</sub>	[488-81-3] <sup>UN</sup>		
	0.25 g	\$	415	
	0.5 g	\$	710	
	1 g	\$	1215	

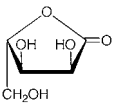
ALD-034	[3- <sup>13</sup> C]ribitol ([3- <sup>13</sup> C]adonitol)			
MW 153.14	<sup>13</sup> CC <sub>4</sub> H <sub>12</sub> O <sub>5</sub>	[488-81-3] <sup>UN</sup>		
	0.25 g	\$	1205	
	0.5 g	\$	2090	
	1 g	\$	3640	

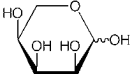
ALD-035	D-[5- <sup>13</sup> C]ribitol (D-[5- <sup>13</sup> C]adonitol)			
MW 153.14	<sup>13</sup> CC <sub>4</sub> H <sub>12</sub> O <sub>5</sub>	[488-81-3] <sup>UN</sup>		
	0.25 g	\$	710	
	0.5 g	\$	1175	
	1 g	\$	1945	

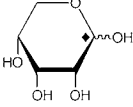
ALD-062	[UL- <sup>13</sup> C <sub>5</sub> ]ribitol ([UL- <sup>13</sup> C <sub>5</sub> ]adonitol)			
MW 157.11	<sup>13</sup> C <sub>5</sub> H <sub>12</sub> O <sub>5</sub>	[488-81-3] <sup>UN</sup>		
	0.1 g	\$	490	
	0.25 g	\$	915	
	0.5 g	\$	1520	
	1 g	\$	2730	

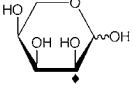
ribonic acid lactone <i>see ribono-lactone page 101</i>				
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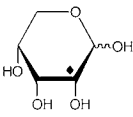
RIB-030	D-ribono-1,4-lactone (D-ribonic acid γ-lactone)			
MW 148.11	C <sub>5</sub> H <sub>8</sub> O <sub>5</sub>	[5336-08-3]		
	1 g	\$	305	

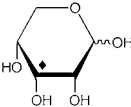
RIB-031	L-ribono-1,4-lactone (L-ribonic acid γ-lactone)			
MW 148.11	C <sub>5</sub> H <sub>8</sub> O <sub>5</sub>	[133908-85-7]		
	0.25 g	\$	490	

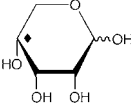
RIB-033	L-ribose			
MW 150.13	C <sub>5</sub> H <sub>10</sub> O <sub>5</sub>	[24259-59-4]		
	1 g	\$	250	

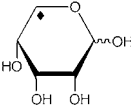
RIB-006	D-[1- <sup>13</sup> C]ribose			
MW 151.12	<sup>13</sup> CC <sub>4</sub> H <sub>10</sub> O <sub>5</sub>	[70849-24-0]		
	0.25 g	\$	155	
	0.5 g	\$	250	
	1 g	\$	430	

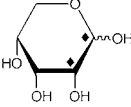
RIB-028	L-[1- <sup>13</sup> C]ribose			
MW 151.12	<sup>13</sup> CC <sub>4</sub> H <sub>10</sub> O <sub>5</sub>	[24259-59-4] <sup>UN</sup>		
	0.1 g	\$	155	
	0.25 g	\$	250	
	0.5 g	\$	430	
	1 g	\$	730	

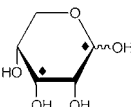
RIB-007	D-[2- <sup>13</sup> C]ribose			
MW 151.12	<sup>13</sup> CC <sub>4</sub> H <sub>10</sub> O <sub>5</sub>	[83379-40-2]		
	0.1 g	\$	185	
	0.25 g	\$	350	
	0.5 g	\$	580	
	1 g	\$	965	

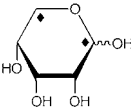
RIB-008	D-[3- <sup>13</sup> C]ribose			
MW 151.12	<sup>13</sup> CC <sub>4</sub> H <sub>10</sub> O <sub>5</sub>	[211947-12-5]		
	0.1 g	\$	470	
	0.25 g	\$	940	
	0.5 g	\$	1655	
	1 g	\$	2915	

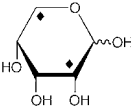
RIB-021	D-[4- <sup>13</sup> C]ribose			
MW 151.12	<sup>13</sup> CC <sub>4</sub> H <sub>10</sub> O <sub>5</sub>	[50-69-1] <sup>UN</sup>		
	0.1 g	\$	730	
	0.25 g	\$	1460	

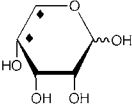
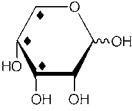
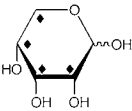
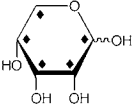
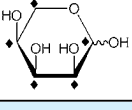
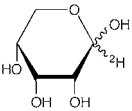
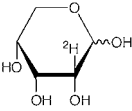
RIB-009	D-[5- <sup>13</sup> C]ribose			
MW 151.12	<sup>13</sup> CC <sub>4</sub> H <sub>10</sub> O <sub>5</sub>	[139657-62-8]		
	0.1 g	\$	155	
	0.25 g	\$	250	
	0.5 g	\$	430	
	1 g	\$	730	

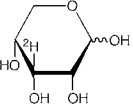
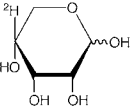
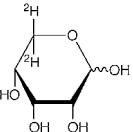
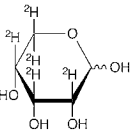
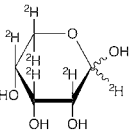
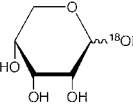
RIB-010	D-[1,2- <sup>13</sup> C <sub>2</sub> ]ribose			
MW 152.11	<sup>13</sup> C <sub>2</sub> C <sub>3</sub> H <sub>10</sub> O <sub>5</sub>	[209909-88-6]		
	0.1 g	\$	210	
	0.25 g	\$	390	
	0.5 g	\$	685	
	1 g	\$	1215	

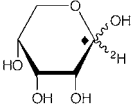
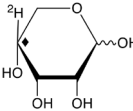
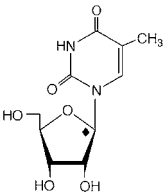
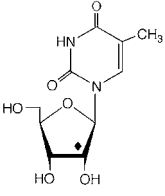
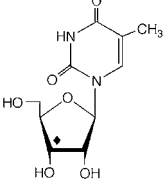
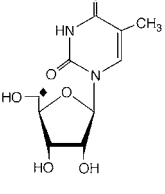
RIB-011	D-[1,3- <sup>13</sup> C <sub>2</sub> ]ribose			
MW 152.11	<sup>13</sup> C <sub>2</sub> C <sub>3</sub> H <sub>10</sub> O <sub>5</sub>	[478511-79-4]		
	0.1 g	\$	590	
	0.25 g	\$	1195	
	0.5 g	\$	2065	
	1 g	\$	3520	

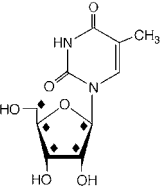




RIB-012	D-[1,5- <sup>13</sup> C <sub>2</sub> ]ribose			
MW 152.11	<sup>13</sup> C <sub>2</sub> C <sub>3</sub> H <sub>10</sub> O <sub>5</sub>	[213825-56-0]		
	0.1 g	\$	370	
	0.25 g	\$	770	
	0.5 g	\$	1340	
	1 g	\$	2305	

RIB-013	D-[2,5- <sup>13</sup> C <sub>2</sub> ]ribose			
MW 152.11	<sup>13</sup> C <sub>2</sub> C <sub>3</sub> H <sub>10</sub> O <sub>5</sub>	[213825-57-1]		
	0.25 g	\$	1195	
	0.5 g	\$	2065	
	1 g	\$	3520	

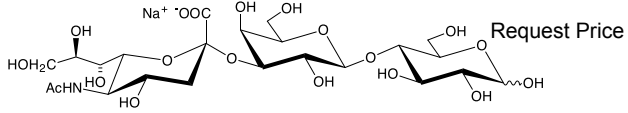
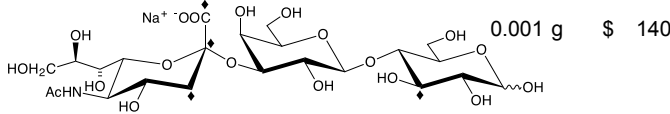
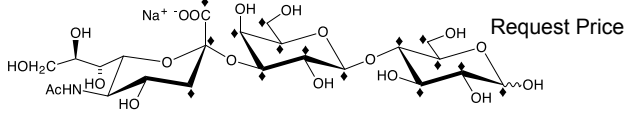
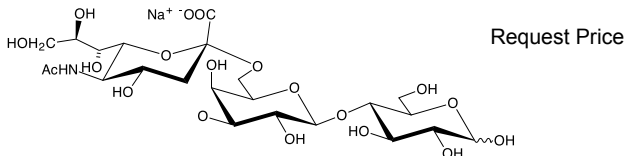
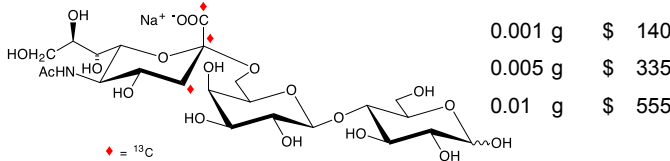
<b>RIB-035</b>	<b>D-[4,5-<sup>13</sup>C<sub>2</sub>]ribose</b>
MW 152.11	<sup>13</sup> C <sub>2</sub> C <sub>3</sub> H <sub>10</sub> O <sub>5</sub> [50-69-1] <sup>UN</sup>
	0.1 g \$ 730
<b>RIB-039</b>	<b>D-[3,4,5-<sup>13</sup>C<sub>3</sub>]ribose</b>
MW 153.11	<sup>13</sup> C <sub>3</sub> C <sub>2</sub> H <sub>10</sub> O <sub>5</sub> [50-69-1] <sup>UN</sup>
	Request Price
<b>RIB-014</b>	<b>D-[2,3,4,5-<sup>13</sup>C<sub>4</sub>]ribose</b>
MW 154.10	<sup>13</sup> C <sub>4</sub> CH <sub>10</sub> O <sub>5</sub> [478506-23-9]
	0.1 g \$ 470 0.25 g \$ 955 0.5 g \$ 1640 1 g \$ 2915
<b>RIB-015</b>	<b>D-[UL-<sup>13</sup>C<sub>5</sub>]ribose</b>
MW 155.09	<sup>13</sup> C <sub>5</sub> H <sub>10</sub> O <sub>5</sub> [202114-47-4]
	0.1 g \$ 225 0.25 g \$ 445 0.5 g \$ 810 1 g \$ 1460
<b>RIB-036</b>	<b>L-[UL-<sup>13</sup>C<sub>5</sub>]ribose</b>
MW 155.09	<sup>13</sup> C <sub>5</sub> H <sub>10</sub> O <sub>5</sub> [24259-59-4] <sup>UN</sup>
	0.05 g \$ 540 0.1 g \$ 1005
<b>RIB-016</b>	<b>D-[1-<sup>2</sup>H]ribose</b>
MW 151.14	C <sub>5</sub> <sup>2</sup> HH <sub>9</sub> O <sub>5</sub> [119540-50-0]
	0.1 g \$ 130 0.25 g \$ 210 0.5 g \$ 350 1 g \$ 590
<b>RIB-017</b>	<b>D-[2-<sup>2</sup>H]ribose</b>
MW 151.14	C <sub>5</sub> <sup>2</sup> HH <sub>9</sub> O <sub>5</sub> [202480-69-1]
	0.1 g \$ 155 0.25 g \$ 275 0.5 g \$ 460 1 g \$ 760

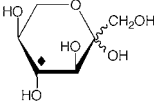
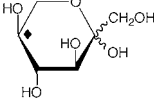
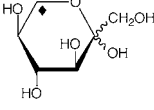
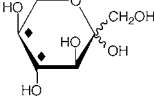
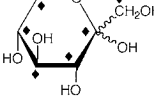
<b>RIB-018</b>	<b>D-[3-<sup>2</sup>H]ribose</b>
MW 151.14	C <sub>5</sub> <sup>2</sup> HH <sub>9</sub> O <sub>5</sub> [169783-76-0]
	0.1 g \$ 225 0.25 g \$ 415 0.5 g \$ 750 1 g \$ 1340
<b>RIB-019</b>	<b>D-[4-<sup>2</sup>H]ribose</b>
MW 151.14	C <sub>5</sub> <sup>2</sup> HH <sub>9</sub> O <sub>5</sub> [478506-29-5]
	0.1 g \$ 295 0.25 g \$ 540 0.5 g \$ 880 1 g \$ 1460
<b>RIB-020</b>	<b>D-[5,5'-<sup>2</sup>H<sub>2</sub>]ribose</b>
MW 152.15	C <sub>5</sub> <sup>2</sup> H <sub>2</sub> H <sub>8</sub> O <sub>5</sub> [478506-32-0]
	0.1 g \$ 175 0.25 g \$ 325 0.5 g \$ 550 1 g \$ 915
<b>RIB-042</b>	<b>D-[2,3,4,5,5'-<sup>2</sup>H<sub>5</sub>]ribose</b>
MW 155.16	C <sub>5</sub> <sup>2</sup> H <sub>5</sub> H <sub>5</sub> O <sub>5</sub> [50-69-1] <sup>UN</sup>
	0.05 g \$ 305 0.1 g \$ 525 0.25 g \$ 1050 0.5 g \$ 2010
<b>RIB-040</b>	<b>D-[1,2,3,4,5,5'-<sup>2</sup>H<sub>6</sub>]ribose</b> (D-[UL- <sup>2</sup> H <sub>6</sub> ]ribose)
MW 156.17	C <sub>5</sub> <sup>2</sup> H <sub>6</sub> H <sub>4</sub> O <sub>5</sub> [50-69-1] <sup>UN</sup>
	0.05 g \$ 185 0.1 g \$ 325 0.25 g \$ 675 0.5 g \$ 1215 1 g \$ 2185
<b>RIB-037</b>	<b>D-[1-<sup>18</sup>O]ribose</b>
MW 152.13	C <sub>5</sub> H <sub>10</sub> <sup>18</sup> OO <sub>4</sub> [50-69-1] <sup>UN</sup> >90 atom-% <sup>18</sup> O
	0.05 g \$ 500 0.1 g \$ 885 0.25 g \$ 1655

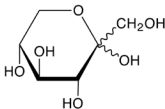
<b>RIB-038</b>	<b>D-[1-<sup>13</sup>C;1-<sup>2</sup>H]ribose</b>
MW 152.13	<sup>13</sup> CC <sub>4</sub> <sup>2</sup> HH <sub>9</sub> O <sub>5</sub> [50-69-1] <sup>UN</sup>
	Request Price
<b>RIB-041</b>	<b>D-[4-<sup>13</sup>C;4-<sup>2</sup>H]ribose</b>
MW 152.13	<sup>13</sup> CC <sub>4</sub> <sup>2</sup> HH <sub>9</sub> O <sub>5</sub> [50-69-1] <sup>UN</sup>
	Request Price
<b>NUC-020</b>	<b>[1'-<sup>13</sup>C]ribothymidine</b> (5-methyl-[1'- <sup>13</sup> C]uridine)
MW 259.22	<sup>13</sup> CC <sub>9</sub> H <sub>14</sub> N <sub>2</sub> O <sub>6</sub> [201996-60-3]
	0.1 g \$ 470 0.25 g \$ 930
<b>NUC-021</b>	<b>[2'-<sup>13</sup>C]ribothymidine</b> (5-methyl-[2'- <sup>13</sup> C]uridine)
MW 259.22	<sup>13</sup> CC <sub>9</sub> H <sub>14</sub> N <sub>2</sub> O <sub>6</sub> [478510-98-4]
	0.1 g \$ 570 0.25 g \$ 1125
<b>NUC-022</b>	<b>[3'-<sup>13</sup>C]ribothymidine</b> (5-methyl-[3'- <sup>13</sup> C]uridine)
MW 259.22	<sup>13</sup> CC <sub>9</sub> H <sub>14</sub> N <sub>2</sub> O <sub>6</sub> [478511-00-1]
	0.1 g \$ 905 0.25 g \$ 1805
<b>NUC-023</b>	<b>[5'-<sup>13</sup>C]ribothymidine</b> (5-methyl-[5'- <sup>13</sup> C]uridine)
MW 259.22	<sup>13</sup> CC <sub>9</sub> H <sub>14</sub> N <sub>2</sub> O <sub>6</sub> [478511-02-3]
	0.1 g \$ 675 0.25 g \$ 1340

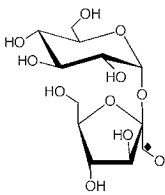
<b>NUC-024</b>	<b>[1',2',3',4',5'-<sup>13</sup>C<sub>5</sub>]ribothymidine</b> (5-methyl-[1',2',3',4',5'- <sup>13</sup> C <sub>5</sub> ]uridine)
MW 263.18	<sup>13</sup> C <sub>5</sub> C <sub>5</sub> H <sub>14</sub> N <sub>2</sub> O <sub>6</sub> [159496-17-0]
	0.1 g \$ 675 0.25 g \$ 1340
<b>RBU-004</b>	<b>D-ribulose</b> (D- <i>erythro</i> -pent-2-ulose)
MW 150.13	C <sub>5</sub> H <sub>10</sub> O <sub>5</sub> [488-84-6] <i>Supplied as an aqueous solution.</i>
	0.25 g \$ 250 0.5 g \$ 430 1 g \$ 730
<b>RBU-005</b>	<b>L-ribulose</b> (L- <i>erythro</i> -pent-2-ulose)
MW 150.13	C <sub>5</sub> H <sub>10</sub> O <sub>5</sub> [2042-27-5] <i>Supplied as an aqueous solution.</i>
	0.25 g \$ 250 0.5 g \$ 430 1 g \$ 730
<b>RBU-001</b>	<b>D-[1-<sup>13</sup>C]ribulose</b> (D-[1- <sup>13</sup> C] <i>erythro</i> -pent-2-ulose)
MW 151.12	<sup>13</sup> CC <sub>4</sub> H <sub>10</sub> O <sub>5</sub> [131771-70-5] <i>Supplied as an aqueous solution.</i>
	Request Price
<b>RBU-002</b>	<b>D-[2-<sup>13</sup>C]ribulose</b> (D-[2- <sup>13</sup> C] <i>erythro</i> -pent-2-ulose)
MW 151.12	<sup>13</sup> CC <sub>4</sub> H <sub>10</sub> O <sub>5</sub> [131771-71-6] <i>Supplied as an aqueous solution.</i>
	Request Price
<b>sialic acid</b> see <i>N</i> -acetylneuraminic acid <a href="#">page 23</a>	
<b>sialyl-<i>galacto</i>-<i>N</i>-biose</b> see <i>N</i> -acetylneuraminic acid-Gal-GalNAc <a href="#">page 25</a>	

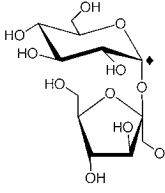


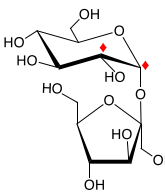
<b>TRI-020</b>	<b>3'-sialyllactose sodium salt</b> ( $\alpha$ -NeuNAc-(2→3)- $\beta$ -D-Gal-(1→4)-D-Glc)
MW 655.53	C <sub>23</sub> H <sub>38</sub> NO <sub>19</sub> Na [128596-80-5]
	Request Price
<b>TRI-021</b>	<b>[1,2,3-<sup>13</sup>C<sub>3</sub>]3'-sialyl[3-<sup>13</sup>C<sup>glc</sup>]lactose sodium salt</b> ( $\alpha$ -[1,2,3- <sup>13</sup> C <sub>3</sub> ]NeuNAc-(2→3)- $\beta$ -D-Gal-(1→4)-D-[3- <sup>13</sup> C]Glc)
MW 659.50	<sup>13</sup> C <sub>4</sub> C <sub>19</sub> H <sub>38</sub> NO <sub>19</sub> Na [128596-80-5] <sup>UN</sup>
	0.001 g \$ 140
<b>TRI-022</b>	<b>[1,2,3-<sup>13</sup>C<sub>3</sub>]3'-sialyl[UL-<sup>13</sup>C<sub>12</sub>]lactose sodium salt</b> ( $\alpha$ -[1,2,3- <sup>13</sup> C <sub>3</sub> ]NeuNAc-(2→3)- $\beta$ -D-[UL- <sup>13</sup> C <sub>6</sub> ]Gal-(1→4)-D-[UL- <sup>13</sup> C <sub>6</sub> ]Glc)
MW 670.41	<sup>13</sup> C <sub>15</sub> C <sub>8</sub> H <sub>38</sub> NO <sub>19</sub> Na [128596-80-5] <sup>UN</sup>
	Request Price
<b>TRI-031</b>	<b>6'-sialyllactose sodium salt</b> ( $\alpha$ -NeuNAc-(2→6)- $\beta$ -D-Gal-(1→4)-D-Glc)
MW 655.53	C <sub>23</sub> H <sub>38</sub> NO <sub>19</sub> Na [35890-39-2]
	Request Price
<b>TRI-032</b>	<b>[1'',2'',3''-<sup>13</sup>C<sub>3</sub>]6'-sialyllactose sodium salt</b> ( $\alpha$ -[1,2,3- <sup>13</sup> C <sub>3</sub> ]NeuNAc-(2→6)- $\beta$ -D-Gal-(1→4)-D-Glc)
MW 658.51	<sup>13</sup> C <sub>3</sub> C <sub>20</sub> H <sub>38</sub> NO <sub>19</sub> Na [35890-39-2] <sup>UN</sup>
	0.001 g \$ 140 0.005 g \$ 335 0.01 g \$ 555
<b>Sodium arabinonate</b> see arabinonic acid <a href="#">page 34</a>	
<b>Sodium gluconate</b> see gluconic acid <a href="#">page 61</a>	

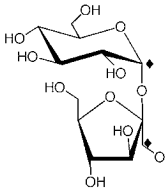
<b>Sodium glucuronate</b> see glucuronic acid <i>page 67</i>			
<b>Sodium gulonate</b> see gulonic acid <i>page 72</i>			
<b>Sodium idonate</b> see idonic acid <i>page 73</i>			
<b>Sodium iduronate</b> see iduronic acid <i>page 74</i>			
<b>Sodium pyruvate</b> see pyruvic acid <i>page 100</i>			
<b>Sodium rhamnonate</b> see rhammonic acid <i>page 100</i>			
<b>sorbitol</b> see glucitol <i>page 59</i>			
<b>SOR-001      L-[4-<sup>13</sup>C]sorbose</b>			
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub>	[478506-34-2]	
	0.25 g	\$ 350	
	0.5 g	\$ 600	
	1 g	\$ 1035	
<b>SOR-002      L-[5-<sup>13</sup>C]sorbose</b>			
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub>	[478506-36-4]	
	0.25 g	\$ 370	
	0.5 g	\$ 610	
	1 g	\$ 1095	
<b>SOR-003      L-[6-<sup>13</sup>C]sorbose</b>			
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub>	[478506-38-6]	
	0.25 g	\$ 350	
	0.5 g	\$ 600	
	1 g	\$ 1035	
<b>SOR-004      L-[4,5-<sup>13</sup>C<sub>2</sub>]sorbose</b>			
MW 182.14	<sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>12</sub> O <sub>6</sub>	[87-79-6] <sup>UN</sup>	
	Request Price		
<b>SOR-005      D-[UL-<sup>13</sup>C<sub>6</sub>]sorbose</b>			
MW 186.11	<sup>13</sup> C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	[3615-56-3] <sup>UN</sup>	
	Request Price		

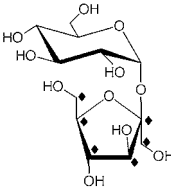
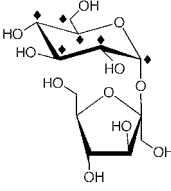
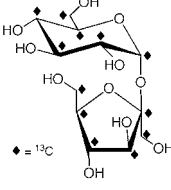
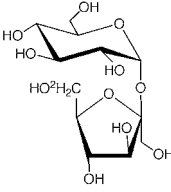
<b>SOR-006      D-sorbose</b>	
MW 180.16	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> [3615-56-3]
	Request Price

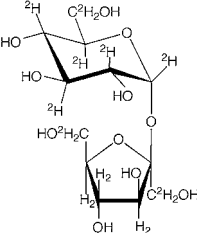
<b>SUC-001      [1-<sup>13</sup>C<sup>fru</sup>]sucrose</b>	
(β-D-[1- <sup>13</sup> C]fructofuranosyl α-D-glucopyranoside)	
MW 343.29	<sup>13</sup> CC <sub>11</sub> H <sub>22</sub> O <sub>11</sub> [154368-11-3]
	0.1 g \$ 205
	0.25 g \$ 395
	0.5 g \$ 690
	1 g \$ 1215

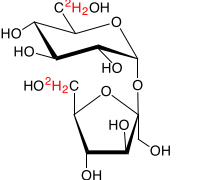
<b>SUC-003      [1-<sup>13</sup>C<sup>glc</sup>]sucrose</b>	
(β-D-fructofuranosyl α-D-[1- <sup>13</sup> C]glucopyranoside)	
MW 343.29	<sup>13</sup> CC <sub>11</sub> H <sub>22</sub> O <sub>11</sub> [57-50-1] <sup>UN</sup>
	0.05 g \$ 275
	0.1 g \$ 515
	0.25 g \$ 1015
	0.5 g \$ 1915
	1 g \$ 3640

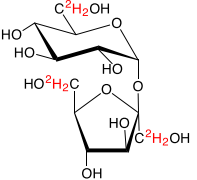
<b>SUC-009      [1,2-<sup>13</sup>C<sub>2</sub><sup>glc</sup>]sucrose</b>	
(β-D-fructofuranosyl α-D-[1,2- <sup>13</sup> C <sub>2</sub> ]gluco-pyranoside)	
MW 344.28	<sup>13</sup> C <sub>2</sub> C <sub>10</sub> H <sub>22</sub> O <sub>11</sub> [57-50-1] <sup>UN</sup>
	0.1 g \$ 1385

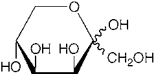
<b>SUC-005      [1-<sup>13</sup>C<sup>fru</sup>;1-<sup>13</sup>C<sup>glc</sup>]sucrose</b>	
(β-D-[1- <sup>13</sup> C]fructofuranosyl α-D-[1- <sup>13</sup> C]gluco-pyranoside)	
MW 344.28	<sup>13</sup> C <sub>2</sub> C <sub>10</sub> H <sub>22</sub> O <sub>11</sub> [57-50-1] <sup>UN</sup>
	0.05 g \$ 385
	0.1 g \$ 710
	0.25 g \$ 1415
	0.5 g \$ 2675
	1 g \$ 5100

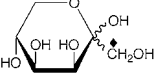
<b>SUC-002</b> <b>[UL-<sup>13</sup>C<sub>6</sub><sup>fru</sup>]sucrose</b> (β-D-[UL- <sup>13</sup> C <sub>6</sub> ]fructofuranosyl α-D-glucopyranoside)		
MW 348.25	<sup>13</sup> C <sub>6</sub> C <sub>6</sub> H <sub>22</sub> O <sub>11</sub>	[57-50-1] <sup>UN</sup>
	0.05 g	\$ 160
	0.1 g	\$ 285
	0.25 g	\$ 570
	0.5 g	\$ 1005
	1 g	\$ 1825
<b>SUC-007</b> <b>[UL-<sup>13</sup>C<sub>6</sub><sup>glc</sup>]sucrose</b> (β-D-fructofuranosyl α-D-[UL- <sup>13</sup> C <sub>6</sub> ]glucopyranoside)		
MW 348.25	<sup>13</sup> C <sub>6</sub> C <sub>6</sub> H <sub>22</sub> O <sub>11</sub>	[57-50-1] <sup>UN</sup>
	0.05 g	\$ 295
	0.1 g	\$ 540
	0.25 g	\$ 1075
	0.5 g	\$ 2045
	1 g	\$ 3885
<b>SUC-006</b> <b>[UL-<sup>13</sup>C<sub>12</sub>]sucrose</b> (β-D-[UL- <sup>13</sup> C <sub>6</sub> ]fructofuranosyl α-D-[UL- <sup>13</sup> C <sub>6</sub> ]glucopyranoside)		
MW 354.20	<sup>13</sup> C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>	[57-50-1] <sup>UN</sup>
 ♦ = <sup>13</sup> C	0.05 g	\$ 395
	0.1 g	\$ 730
	0.25 g	\$ 1460
	0.5 g	\$ 2675
	1 g	\$ 4855
<b>SUC-004</b> <b>[6,6'-<sup>2</sup>H<sub>2</sub><sup>fru</sup>]sucrose</b> (β-D-[6,6'- <sup>2</sup> H <sub>2</sub> ]fructofuranosyl α-D-glucopyranoside)		
MW 344.31	C <sub>12</sub> <sup>2</sup> H <sub>2</sub> H <sub>20</sub> O <sub>11</sub>	[57-50-1] <sup>UN</sup>
	0.05 g	\$ 160
	0.1 g	\$ 285
	0.25 g	\$ 570
	0.5 g	\$ 1005
	1 g	\$ 1825

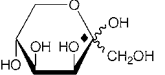
<b>SUC-008</b>	<b>[UL-<sup>2</sup>H<sub>14</sub>]sucrose</b> (β-D-[UL- <sup>2</sup> H <sub>7</sub> ]fructofuranosyl α-D-[UL- <sup>2</sup> H <sub>7</sub> ]gluco- pyranoside)
MW 356.39	C <sub>12</sub> <sup>2</sup> H <sub>14</sub> H <sub>8</sub> O <sub>11</sub> [57-50-1] <sup>UN</sup>
	0.05 g \$ 785 0.1 g \$ 1460

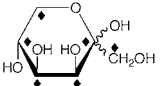
<b>SUC-011</b>	<b>[6,6'-<sup>2</sup>H<sub>2</sub>glc;6,6'-<sup>2</sup>H<sub>2</sub><sup>fru</sup>]sucrose</b> (β-D-[6,6'- <sup>2</sup> H <sub>2</sub> ]fructofuranosyl α-D-[6,6'- <sup>2</sup> H <sub>2</sub> ]glucopyranoside)
MW 346.32	C <sub>12</sub> <sup>2</sup> H <sub>4</sub> H <sub>18</sub> O <sub>11</sub> [57-50-1] <sup>UN</sup>
	Request Price

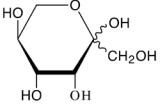
<b>SUC-012</b>	<b>[6,6'-<sup>2</sup>H<sub>2</sub>glc;1,1',6,6'-<sup>2</sup>H<sub>4</sub><sup>fru</sup>]sucrose</b> (β-D-[1,1',6,6'- <sup>2</sup> H <sub>4</sub> ]fructofuranosyl α-D-[6,6'- <sup>2</sup> H <sub>2</sub> ]glucopyranoside)
MW 348.33	C <sub>12</sub> <sup>2</sup> H <sub>6</sub> H <sub>16</sub> O <sub>11</sub> [57-50-1] <sup>UN</sup>
	Request Price


<b>TAG-003</b>	<b>D-tagatose</b>
MW 180.16	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> [87-81-0]
	1 g \$ 155


<b>TAG-001</b>	<b>D-[1-<sup>13</sup>C]tagatose</b>
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [478506-42-2]
	0.25 g \$ 490 0.5 g \$ 855 1 g \$ 1460

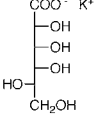
<b>TAG-002</b>	<b>D-[2-<sup>13</sup>C]tagatose</b>
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [478506-44-4]
	0.25 g \$ 590 0.5 g \$ 1005 1 g \$ 1805

<b>TAG-004</b>	<b>D-[UL-<sup>13</sup>C<sub>6</sub>]tagatose</b>
MW 186.11	<sup>13</sup> C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> [87-81-0] <sup>UN</sup>
	Request Price

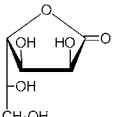
<b>TAG-005</b>	<b>L-tagatose</b>
MW 180.16	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> [17598-82-2]
	Request Price

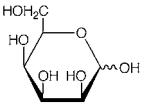
<b>ALD-086</b>	<b>D-talitol</b>
MW 182.17	C <sub>6</sub> H <sub>14</sub> O <sub>6</sub> [643-03-8]
	0.25 g \$ 140 0.5 g \$ 250 1 g \$ 445

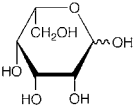
<b>ALD-036</b>	<b>D-[1-<sup>13</sup>C]talitol</b>
MW 183.17	<sup>13</sup> CC <sub>5</sub> H <sub>14</sub> O <sub>6</sub> [643-03-8] <sup>UN</sup>
	0.25 g \$ 325 0.5 g \$ 550 1 g \$ 915

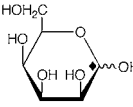
<b>TAL-025</b>	<b>L-talonic acid, potassium salt</b> (Potassium L-talonate)
MW 234.25	C <sub>6</sub> H <sub>11</sub> KO <sub>7</sub>
	Request Price

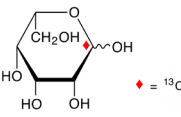
<b>talonic acid lactone</b> see talono-lactone <i>page 106</i>	
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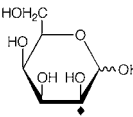
<b>TAL-022</b>	<b>D-talono-1,4-lactone</b> (D-talonic acid γ-lactone)
MW 178.14	C <sub>6</sub> H <sub>10</sub> O <sub>6</sub> [23666-11-7]
	0.25 g \$ 430

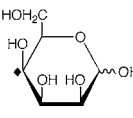
<b>TAL-004</b>	<b>D-talose</b>
MW 180.16	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> [2595-98-4]
	0.25 g \$ 175 0.5 g \$ 295 1 g \$ 470

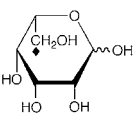
<b>TAL-005</b>	<b>L-talose</b>
MW 180.16	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> [23567-25-1]
	0.25 g \$ 350 0.5 g \$ 590 1 g \$ 1015

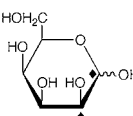
<b>TAL-001</b>	<b>D-[1-<sup>13</sup>C]talose</b>
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [70849-29-5]
	0.25 g \$ 250 0.5 g \$ 430 1 g \$ 730

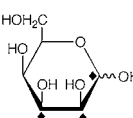
<b>TAL-007</b>	<b>L-[1-<sup>13</sup>C]talose</b>
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [23567-25-1] <sup>UN</sup>
	Request Price

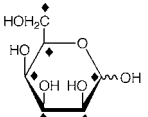
<b>TAL-002</b>	<b>D-[2-<sup>13</sup>C]talose</b>
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [83379-36-6]
	0.25 g \$ 370 0.5 g \$ 625 1 g \$ 1065

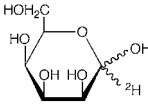
<b>TAL-006</b>	<b>D-[4-<sup>13</sup>C]talose</b>
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [2595-98-4] <sup>UN</sup>
	Request Price

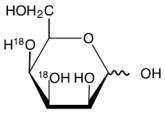
<b>TAL-014</b>	<b>L-[6-<sup>13</sup>C]talose</b>
MW 181.15	<sup>13</sup> CC <sub>5</sub> H <sub>12</sub> O <sub>6</sub> [23567-25-1] <sup>UN</sup>
	1 g \$ 1890

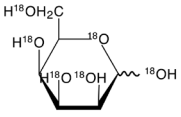
<b>TAL-008</b>	<b>D-[1,2-<sup>13</sup>C<sub>2</sub>]talose</b>
MW 182.14	<sup>13</sup> C <sub>2</sub> C <sub>4</sub> H <sub>12</sub> O <sub>6</sub> [2595-98-4] <sup>UN</sup>
	Request Price

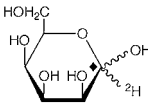
<b>TAL-026</b>	<b>D-[1,2,3-<sup>13</sup>C<sub>3</sub>]talose</b>
MW 183.13	<sup>13</sup> C <sub>3</sub> C <sub>3</sub> H <sub>12</sub> O <sub>6</sub> [2595-98-4] <sup>UN</sup>
	Request Price

<b>TAL-023</b>	<b>D-[UL-<sup>13</sup>C<sub>6</sub>]talose</b>
MW 186.11	<sup>13</sup> C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> [2595-98-4] <sup>UN</sup>
	Request Price

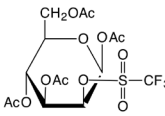
<b>TAL-003</b>	<b>D-[1-<sup>2</sup>H]talose</b>
MW 181.16	C <sub>6</sub> <sup>2</sup> HH <sub>11</sub> O <sub>6</sub> [2595-98-4] <sup>UN</sup>
	0.25 g \$ 165 0.5 g \$ 250 1 g \$ 360

<b>TAL-030</b>	<b>D-[3,4-<sup>18</sup>O<sub>2</sub>]talose</b>
MW 184.16	C <sub>6</sub> H <sub>12</sub> <sup>18</sup> O <sub>2</sub> O <sub>4</sub> [2595-98-4] <sup>UN</sup> >90 atom-% <sup>18</sup> O
	Request Price

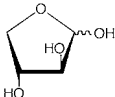
<b>TAL-031</b>	<b>D-[UL-<sup>18</sup>O<sub>6</sub>]talose</b>
MW 192.16	C <sub>6</sub> H <sub>12</sub> <sup>18</sup> O <sub>6</sub> [2595-98-4] <sup>UN</sup> >90 atom-% <sup>18</sup> O
	Request Price

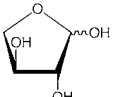
<b>TAL-009</b>	<b>D-[1-<sup>13</sup>C;1-<sup>2</sup>H]talose</b>
MW 182.16	<sup>13</sup> CC <sub>5</sub> <sup>2</sup> HH <sub>11</sub> O <sub>6</sub> [2595-98-4] <sup>UN</sup>
	Request Price

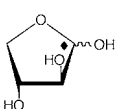
<b>tetraacetylchitotetraose</b> see <i>N</i> -acetylglucosamine oligomers <i>page 22</i>	
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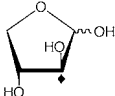
<b>MAN-047</b>	<b>1,3,4,6-tetra-<i>O</i>-acetyl-2-<i>O</i>-trifluoro-methanesulfonyl-β-D-mannopyranose</b> (mannose triflate)
MW 480.36	C <sub>15</sub> H <sub>19</sub> F <sub>3</sub> O <sub>12</sub> S [92051-23-5]
	Request Price
Ac = COCH <sub>3</sub>	

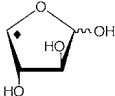
<b>threo-pent-2-ulose</b> see xylulose <i>page 116</i>	
<b>threo-pentos-2-ulose</b> see xylosone <i>page 116</i>	

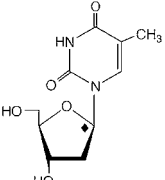
THR-001		D-threose	
MW 120.11	C <sub>4</sub> H <sub>8</sub> O <sub>4</sub>	[95-43-2]	
Supplied as an aqueous solution.			
	0.5	g	\$ 155
	1	g	\$ 250

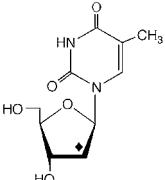
THR-006		L-threose	
MW 120.11	C <sub>4</sub> H <sub>8</sub> O <sub>4</sub>	[95-44-3]	
Supplied as an aqueous solution.			
	0.25	g	\$ 155
	0.5	g	\$ 225
	1	g	\$ 305

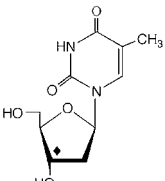
THR-002		D-[1- <sup>13</sup> C]threose	
MW 121.10	<sup>13</sup> CC <sub>3</sub> H <sub>8</sub> O <sub>4</sub>	[70849-20-6]	
Supplied as an aqueous solution.			
	0.25	g	\$ 370
	0.5	g	\$ 625
	1	g	\$ 1035

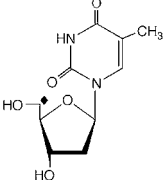
THR-003		D-[2- <sup>13</sup> C]threose	
MW 121.10	<sup>13</sup> CC <sub>3</sub> H <sub>8</sub> O <sub>4</sub>	[478506-49-9]	
Supplied as an aqueous solution.			
	0.25	g	\$ 430
	0.5	g	\$ 700
	1	g	\$ 1095

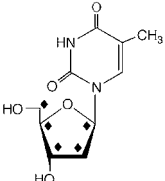
THR-004		D-[4- <sup>13</sup> C]threose	
MW 121.10	<sup>13</sup> CC <sub>3</sub> H <sub>8</sub> O <sub>4</sub>	[90913-09-0]	
Supplied as an aqueous solution.			
	0.25	g	\$ 480
	0.5	g	\$ 810
	1	g	\$ 1340

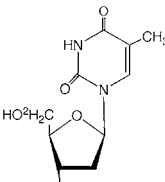
NUC-025	[1'- <sup>13</sup> C]thymidine		
MW 243.22	<sup>13</sup> CC <sub>9</sub> H <sub>14</sub> N <sub>2</sub> O <sub>5</sub>	[50-89-5] <sup>UN</sup>	
	0.05	g	\$ 810
	0.1	g	\$ 1460

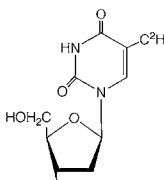
NUC-026	[2'- <sup>13</sup> C]thymidine		
MW 243.22	<sup>13</sup> CC <sub>9</sub> H <sub>14</sub> N <sub>2</sub> O <sub>5</sub>	[185553-96-2]	
	0.05	g	\$ 880
	0.1	g	\$ 1560

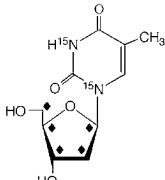
NUC-027	[3'- <sup>13</sup> C]thymidine		
MW 243.22	<sup>13</sup> CC <sub>9</sub> H <sub>14</sub> N <sub>2</sub> O <sub>5</sub>	[478511-06-7]	
	0.05	g	\$ 1460
	0.1	g	\$ 2675

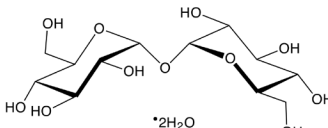
NUC-028	[5'- <sup>13</sup> C]thymidine		
MW 243.22	<sup>13</sup> CC <sub>9</sub> H <sub>14</sub> N <sub>2</sub> O <sub>5</sub>	[240407-53-8]	
	0.05	g	\$ 1215
	0.1	g	\$ 2220

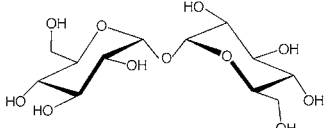
NUC-029	[1',2',3',4',5'- <sup>13</sup> C <sub>5</sub> ]thymidine		
MW 247.19	<sup>13</sup> C <sub>5</sub> C <sub>5</sub> H <sub>14</sub> N <sub>2</sub> O <sub>5</sub>	[156968-81-9]	
	0.05	g	\$ 1215
	0.1	g	\$ 2220

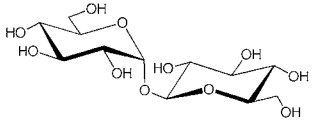
NUC-044	[5',5''- <sup>2</sup> H <sub>2</sub> ]thymidine		
MW 244.24	C <sub>10</sub> <sup>2</sup> H <sub>2</sub> H <sub>12</sub> N <sub>2</sub> O <sub>5</sub>	[132376-92-2]	
	0.05	g	\$ 550
	0.1	g	\$ 975

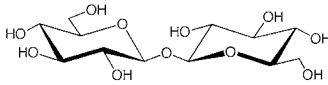
NUC-070		[methyl- <sup>2</sup> H <sub>3</sub> ]thymidine	
MW 245.25	C <sub>10</sub> <sup>2</sup> H <sub>3</sub> H <sub>11</sub> N <sub>2</sub> O <sub>5</sub>	[74848-84-3]	
97 atom-% <sup>2</sup> H			
	0.05	g	\$ 730
	0.1	g	\$ 1215

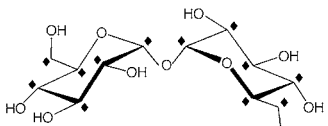
NUC-045		[1',2',3',4',5'- <sup>13</sup> C <sub>5</sub> ;1,3- <sup>15</sup> N <sub>2</sub> ]thymidine	
MW 249.19	<sup>13</sup> C <sub>5</sub> C <sub>5</sub> H <sub>14</sub> <sup>15</sup> N <sub>2</sub> O <sub>5</sub>	[478511-40-9]	
		Request Price	

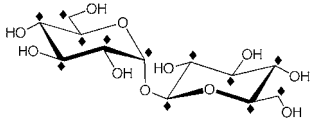
TRE-016	<b>α,α-trehalose dihydrate</b> (α-D-glucopyranosyl-α-D-glucopyranoside dihydrate)		
MW 378.33	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub> ·(H <sub>2</sub> O) <sub>2</sub>	[6138-23-4]	
		Request Price	

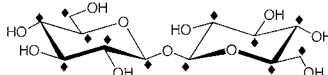
TRE-007	<b>α,α-trehalose</b>	
	(1-O-α-D-glucopyranosyl-α-D-glucopyranoside)	
MW 342.30	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>	[99-20-7]
		Request Price

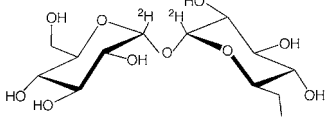
TRE-006		α,β-trehalose	
(1-O-α-D-glucopyranosyl-β-D-glucopyranoside)			
MW 342.30	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>	[585-91-1]	
	0.1	g	\$ 185
	0.25	g	\$ 370
	0.5	g	\$ 675
	1	g	\$ 1270

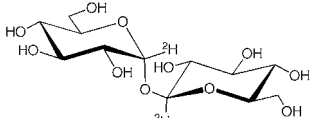
TRE-008		β,β-trehalose	
(1-O-β-D-glucopyranosyl-β-D-glucopyranoside)			
MW 342.30	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>	[499-23-0]	
	0.05	g	\$ 250
	0.1	g	\$ 445

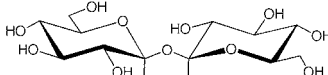
TRE-002	<b>α,α-[UL-<sup>13</sup>C<sub>12</sub>]trehalose</b>		
	(1-O-α-D-[UL- <sup>13</sup> C <sub>6</sub> ]glucopyranosyl- α-D-[UL- <sup>13</sup> C <sub>6</sub> ]glucopyranoside)		
MW 354.20	<sup>13</sup> C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>	[99-20-7] <sup>UN</sup>	
	0.05	g	\$ 395
	0.1	g	\$ 675
	0.25	g	\$ 1340

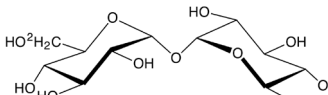
TRE-005	α,β-[UL- <sup>13</sup> C <sub>12</sub> ]trehalose		
	(1-O-α-D-[UL- <sup>13</sup> C <sub>6</sub> ]glucopyranosyl-β-D-[UL- <sup>13</sup> C <sub>6</sub> ]glucopyranoside)		
MW 354.20	<sup>13</sup> C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>	[585-91-1] <sup>UN</sup>	
	0.05	g	\$ 535
	0.1	g	\$ 915
	0.25	g	\$ 1825

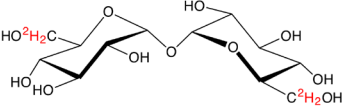
TRE-010	<b>β,β-[UL-<sup>13</sup>C<sub>12</sub>]trehalose</b>		
	(1-O-β-D-[UL- <sup>13</sup> C <sub>6</sub> ]glucopyranosyl-β-D-[UL- <sup>13</sup> C <sub>6</sub> ]glucopyranoside)		
MW 354.20	<sup>13</sup> C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>	[499-23-0] <sup>UN</sup>	
	0.005 g	\$	225

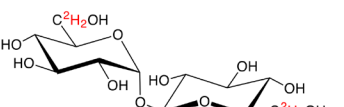
TRE-003	<b>α,α-[1,1'-<sup>2</sup>H<sub>2</sub>]trehalose</b>		
	(1-O-α-D-[1- <sup>2</sup> H]glucopyranosyl- α-D-[1- <sup>2</sup> H]glucopyranoside)		
MW 344.31	C <sub>12</sub> <sup>2</sup> H <sub>2</sub> H <sub>20</sub> O <sub>11</sub>	[99-20-7] <sup>UN</sup>	
	0.05	g	\$ 350
	0.1	g	\$ 590
	0.25	g	\$ 1175

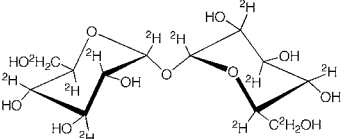
TRE-004	<b>α,β-[1,1'-<sup>2</sup>H<sub>2</sub>]trehalose</b> (1-O-α-D-[1- <sup>2</sup> H]glucopyranosyl-β-D-[1- <sup>2</sup> H]glucopyranoside)		
MW 344.31	C <sub>12</sub> <sup>2</sup> H <sub>2</sub> H <sub>20</sub> O <sub>11</sub>	[585-91-1] <sup>UN</sup>	
	0.05	g	\$ 350
	0.1	g	\$ 590
	0.25	g	\$ 1175

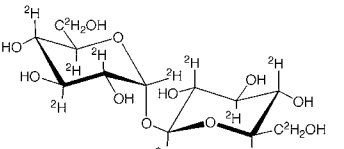
TRE-011	<b>β,β-[1,1'-<sup>2</sup>H<sub>2</sub>]trehalose</b>		
	(1-O-β-D-[1- <sup>2</sup> H]glucopyranosyl-β-D-[1- <sup>2</sup> H]glucopyranoside)		
MW 344.31	C <sub>12</sub> <sup>2</sup> H <sub>2</sub> H <sub>20</sub> O <sub>11</sub>	[499-23-0] <sup>UN</sup>	
		Request Price	

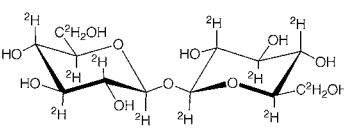
TRE-015	<b>α,α-[6,6'-<sup>2</sup>H<sub>2</sub>]trehalose</b>	
	(α-D-[6,6'- <sup>2</sup> H <sub>2</sub> ]glucopyranosyl-(1→1)-α-D-glucopyranoside)	
MW 344.31	C <sub>12</sub> <sup>2</sup> H <sub>2</sub> H <sub>20</sub> O <sub>11</sub>	[99-20-7] <sup>UN</sup>
		Request Price

<b>TRE-014</b>	<b><math>\alpha,\alpha</math>-[6,6',6'',6'''-<math>^2\text{H}_4</math>]trehalose</b> ( $\alpha$ -D-[6,6'- $^2\text{H}_2$ ]glucopyranosyl-(1 $\rightarrow$ 1)- $\alpha$ -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] <sup>UN</sup>
	Request Price

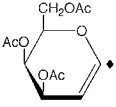
<b>TRE-013</b>	<b><math>\alpha,\beta</math>-[6,6',6'',6'''-<math>^2\text{H}_4</math>]trehalose</b> ( $\alpha$ -D-[6,6'- $^2\text{H}_2$ ]glucopyranosyl-(1 $\square$ 1)- $\beta$ -D-[6,6'- $^2\text{H}_2$ ]glucopyranoside)
MW 346.32	$\text{C}_{12}^2\text{H}_4\text{H}_{18}\text{O}_{11}$ [585-91-1] <sup>UN</sup>
	Request Price

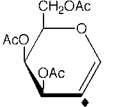
<b>TRE-001</b>	<b><math>\alpha,\alpha</math>-[UL-<math>^2\text{H}_{14}</math>]trehalose</b> (1-O- $\alpha$ -D-[UL- $^2\text{H}_7$ ]glucopyranosyl- $\alpha$ -D-[UL- $^2\text{H}_7$ ]glucopyranoside)
MW 356.39	$\text{C}_{12}^2\text{H}_{14}\text{H}_8\text{O}_{11}$ [99-20-7] <sup>UN</sup>
	0.05 g \$ 490 0.1 g \$ 835 0.25 g \$ 1680

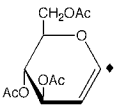
<b>TRE-009</b>	<b><math>\alpha,\beta</math>-[UL-<math>^2\text{H}_{14}</math>]trehalose</b> (1-O- $\alpha$ -D-[UL- $^2\text{H}_7$ ]glucopyranosyl- $\beta$ -D-[UL- $^2\text{H}_7$ ]glucopyranoside)
MW 356.39	$\text{C}_{12}^2\text{H}_{14}\text{H}_8\text{O}_{11}$ [585-91-1] <sup>UN</sup>
	Request Price

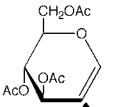
<b>TRE-012</b>	<b><math>\beta,\beta</math>-[UL-<math>^2\text{H}_{14}</math>]trehalose</b> (1-O- $\beta$ -D-[UL- $^2\text{H}_7$ ]glucopyranosyl- $\beta$ -D-[UL- $^2\text{H}_7$ ]glucopyranoside)
MW 356.39	$\text{C}_{12}^2\text{H}_{14}\text{H}_8\text{O}_{11}$ [499-23-0] <sup>UN</sup>
	Request Price

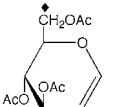
<b>triacetylchitotriose</b> see <i>N</i> -acetylglucosamine oligomers <i>page 22</i>
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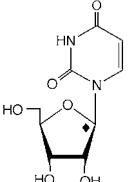
<b>GAL-020</b>	<b>tri-<i>O</i>-acetyl-D-[1-<math>^{13}\text{C}</math>]galactal</b>
MW 273.25	$^{13}\text{CC}_{11}\text{H}_{16}\text{O}_7$ [478518-74-0]
	0.25 g \$ 370 0.5 g \$ 640 1 g \$ 1145
Ac = COCH <sub>3</sub>	

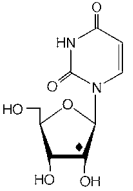
<b>GAL-021</b>	<b>tri-<i>O</i>-acetyl-D-[2-<math>^{13}\text{C}</math>]galactal</b>
MW 273.25	$^{13}\text{CC}_{11}\text{H}_{16}\text{O}_7$ [478518-76-2]
	0.25 g \$ 415 0.5 g \$ 720 1 g \$ 1295
Ac = COCH <sub>3</sub>	

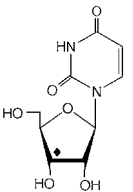
<b>GLC-045</b>	<b>tri-<i>O</i>-acetyl-D-[1-<math>^{13}\text{C}</math>]glucal</b>
MW 273.25	$^{13}\text{CC}_{11}\text{H}_{16}\text{O}_7$ [478529-35-0]
	0.25 g \$ 225 0.5 g \$ 395 1 g \$ 690
Ac = COCH <sub>3</sub>	

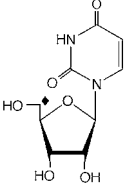
<b>GLC-046</b>	<b>tri-<i>O</i>-acetyl-D-[2-<math>^{13}\text{C}</math>]glucal</b>
MW 273.25	$^{13}\text{CC}_{11}\text{H}_{16}\text{O}_7$ [478529-36-1]
	0.25 g \$ 295 0.5 g \$ 540 1 g \$ 975
Ac = COCH <sub>3</sub>	

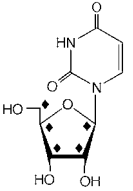
<b>GLC-047</b>	<b>tri-<i>O</i>-acetyl-D-[6-<math>^{13}\text{C}</math>]glucal</b>
MW 273.25	$^{13}\text{CC}_{11}\text{H}_{16}\text{O}_7$ [478529-37-2]
	0.25 g \$ 470 0.5 g \$ 810 1 g \$ 1460
Ac = COCH <sub>3</sub>	

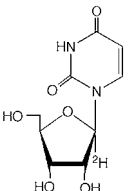
<b>NUC-030</b>	<b>[1'-<math>^{13}\text{C}</math>]uridine</b>
MW 245.20	$^{13}\text{CC}_8\text{H}_{12}\text{N}_2\text{O}_6$ [201996-62-5]
	0.05 g \$ 490 0.1 g \$ 855 0.25 g \$ 1705

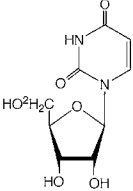
<b>NUC-031</b>	<b>[2'-<math>^{13}\text{C}</math>]uridine</b>
MW 245.20	$^{13}\text{CC}_8\text{H}_{12}\text{N}_2\text{O}_6$ [478511-11-4]
	0.1 g \$ 915 0.25 g \$ 1825

<b>NUC-032</b>	<b>[3'-<math>^{13}\text{C}</math>]uridine</b>
MW 245.20	$^{13}\text{CC}_8\text{H}_{12}\text{N}_2\text{O}_6$ [478511-14-7]
	0.1 g \$ 1460 0.25 g \$ 2915

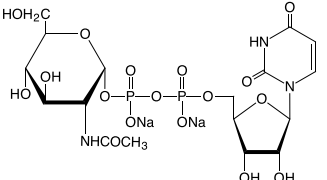
<b>NUC-033</b>	<b>[5'-<math>^{13}\text{C}</math>]uridine</b>
MW 245.20	$^{13}\text{CC}_8\text{H}_{12}\text{N}_2\text{O}_6$ [478511-16-9]
	0.1 g \$ 1340 0.25 g \$ 2675

<b>NUC-034</b>	<b>[1',2',3',4',5'-<math>^{13}\text{C}_5</math>]uridine</b>
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 \$ 1340 0.25 g \$ 2675

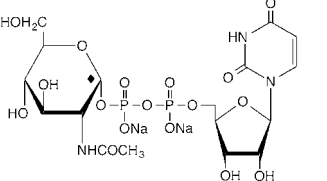
<b>NUC-053</b>	<b>[1'-<math>^2\text{H}</math>]uridine</b>
MW 245.21	$\text{C}_9^2\text{H}_{11}\text{N}_2\text{O}_6$ [58-96-8] <sup>UN</sup>
	0.1 g \$ 1050 0.25 g \$ 2065

<b>NUC-046</b>	<b>[5',5''-<math>^2\text{H}_2</math>]uridine</b>
MW 246.22	$\text{C}_9^2\text{H}_2\text{H}_{10}\text{N}_2\text{O}_6$ [82740-98-5]
	0.05 g \$ 830 0.1 g \$ 1400 0.25 g \$ 2795

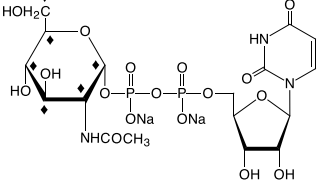
<b>NTS-012</b>	<b>uridine diphosphate-<math>\alpha</math>-<i>N</i>-acetyl-D-glucosamine, disodium salt</b> (UDP- $\alpha$ - <i>N</i> -acetyl-D-glucosamine, disodium salt)
MW 651.32	$\text{C}_{17}\text{H}_{25}\text{N}_3\text{Na}_2\text{O}_{17}\text{P}_2$ [91183-98-1]

	0.005 g \$ 115
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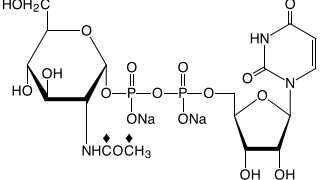
<b>NTS-003</b>	<b>uridine diphosphate-<math>\alpha</math>-<i>N</i>-acetyl-D-[1-<math>^{13}\text{C}</math>]glucosamine, disodium salt</b> (UDP- $\alpha$ - <i>N</i> -acetyl-D-[1- $^{13}\text{C}$ ]glucosamine, disodium salt)
MW 652.31	$^{13}\text{CC}_{16}\text{H}_{25}\text{N}_3\text{Na}_2\text{O}_{17}\text{P}_2$ [91183-98-1] <sup>UN</sup>

	0.001 g \$ 225 0.002 g \$ 390
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<b>NTS-009</b>	<b>uridine diphosphate-<math>\alpha</math>-<i>N</i>-acetyl-D-[UL-<math>^{13}\text{C}_6</math>]glucosamine, disodium salt</b> (UDP- $\alpha$ - <i>N</i> -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] <sup>UN</sup>

	0.001 g \$ 250 0.002 g \$ 470
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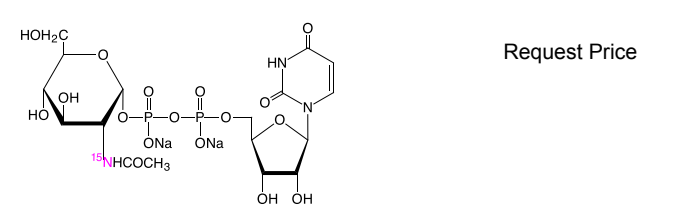
<b>NTS-010</b>	<b>uridine diphosphate-<math>\alpha</math>-<i>N</i>-[1,2-<math>^{13}\text{C}_2</math>]acetyl-D-glucosamine, disodium salt</b> (UDP- $\alpha$ - <i>N</i> -[1,2- $^{13}\text{C}_2$ ]acetyl-D-glucosamine, disodium salt)
MW 653.30	$^{13}\text{C}_2\text{C}_{15}\text{H}_{25}\text{N}_3\text{Na}_2\text{O}_{17}\text{P}_2$ [91183-98-1] <sup>UN</sup>

	0.001 g \$ 445
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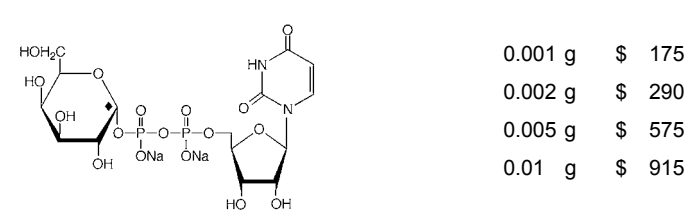
**NTS-011**      **uridine diphosphate- $\alpha$ -N-acetyl-D-[<sup>15</sup>N]glucosamine, disodium salt**  
(UDP- $\alpha$ -N-acetyl-D-[<sup>15</sup>N]glucosamine, disodium salt)

MW 652.32      C<sub>17</sub>H<sub>25</sub><sup>15</sup>NN<sub>2</sub>Na<sub>2</sub>O<sub>17</sub>P<sub>2</sub>      [91183-98-1]<sup>UN</sup>



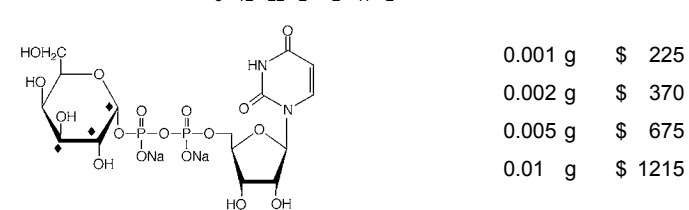
**NTS-002**      **uridine diphosphate- $\alpha$ -D-[1-<sup>13</sup>C]galactose, disodium salt**  
(UDP- $\alpha$ -D-[1-<sup>13</sup>C]galactose, disodium salt)

MW 611.26      <sup>13</sup>CC<sub>14</sub>H<sub>22</sub>N<sub>2</sub>Na<sub>2</sub>O<sub>17</sub>P<sub>2</sub>      [137868-52-1]<sup>UN</sup>



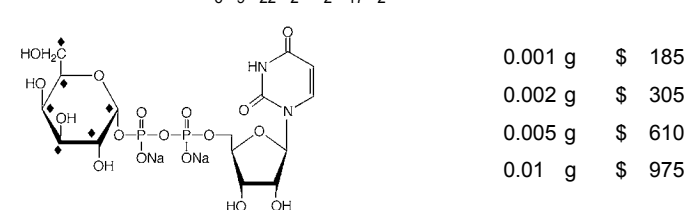
**NTS-008**      **uridine diphosphate- $\alpha$ -D-[1,2,3-<sup>13</sup>C<sub>3</sub>]galactose, disodium salt**  
(UDP- $\alpha$ -D-[1,2,3-<sup>13</sup>C<sub>3</sub>]galactose, disodium salt)

MW 613.24      <sup>13</sup>C<sub>3</sub>C<sub>12</sub>H<sub>22</sub>N<sub>2</sub>Na<sub>2</sub>O<sub>17</sub>P<sub>2</sub>      [137868-52-1]<sup>UN</sup>



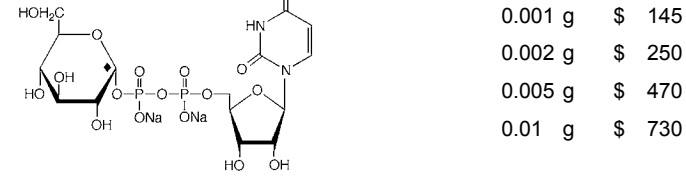
**NTS-005**      **uridine diphosphate- $\alpha$ -D-[UL-<sup>13</sup>C<sub>6</sub>]galactose, disodium salt**  
(UDP- $\alpha$ -D-[UL-<sup>13</sup>C<sub>6</sub>]galactose, disodium salt)

MW 616.22      <sup>13</sup>C<sub>6</sub>C<sub>9</sub>H<sub>22</sub>N<sub>2</sub>Na<sub>2</sub>O<sub>17</sub>P<sub>2</sub>      [137868-52-1]<sup>UN</sup>



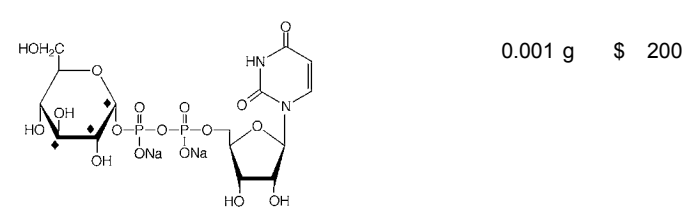
**NTS-001**      **uridine diphosphate- $\alpha$ -D-[1-<sup>13</sup>C]glucose, disodium salt**  
(UDP- $\alpha$ -D-[1-<sup>13</sup>C]glucose, disodium salt)

MW 611.26      <sup>13</sup>CC<sub>14</sub>H<sub>22</sub>N<sub>2</sub>Na<sub>2</sub>O<sub>17</sub>P<sub>2</sub>      [478529-38-3]



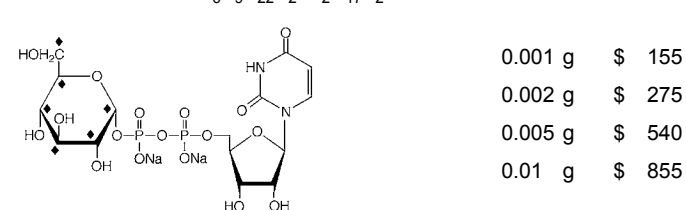
**NTS-007**      **uridine diphosphate- $\alpha$ -D-[1,2,3-<sup>13</sup>C<sub>3</sub>]glucose, disodium salt**  
(UDP- $\alpha$ -D-[1,2,3-<sup>13</sup>C<sub>3</sub>]glucose, disodium salt)

MW 613.24      <sup>13</sup>C<sub>3</sub>C<sub>12</sub>H<sub>22</sub>N<sub>2</sub>Na<sub>2</sub>O<sub>17</sub>P<sub>2</sub>      [28053-08-9]<sup>UN</sup>



**NTS-006**      **uridine diphosphate- $\alpha$ -D-[UL-<sup>13</sup>C<sub>6</sub>]glucose, disodium salt**  
(UDP- $\alpha$ -D-[UL-<sup>13</sup>C<sub>6</sub>]glucose, disodium salt)

MW 616.22      <sup>13</sup>C<sub>6</sub>C<sub>9</sub>H<sub>22</sub>N<sub>2</sub>Na<sub>2</sub>O<sub>17</sub>P<sub>2</sub>      [28053-08-9]<sup>UN</sup>



**NCT-003**      **[1'-<sup>13</sup>C]uridine 5'-monophosphate, disodium salt**  
([1'-<sup>13</sup>C]5'-uridylic acid, disodium salt)

MW 369.14      <sup>13</sup>CC<sub>8</sub>H<sub>11</sub>N<sub>2</sub>Na<sub>2</sub>O<sub>9</sub>P      [3387-36-8]<sup>UN</sup>



**NCT-004**      **[5',5''-<sup>2</sup>H<sub>2</sub>]uridine 5'-monophosphate, disodium salt**  
([5',5''-<sup>2</sup>H<sub>2</sub>]5'-uridylic acid, disodium salt)

MW 370.16      C<sub>9</sub><sup>2</sup>H<sub>2</sub>H<sub>9</sub>N<sub>2</sub>Na<sub>2</sub>O<sub>9</sub>P      [3387-36-8]<sup>UN</sup>



**5'-uridylic acid**  
see uridine 5'-monophosphate *page 113*

**vitamin C**  
see ascorbic acid *page 36*

**WTR-001**      **<sup>18</sup>O Water**  
(Water-<sup>18</sup>O)

MW 20.02      H<sub>2</sub><sup>18</sup>O      [14314-42-2]

98 atom-% <sup>18</sup>O  
  
H<sub>2</sub><sup>18</sup>O      1 g    \$ 305

**XAN-001**      **Xanthene-1,3,6,8-tetraol**  
(9H-Xanthene-1,3,6,8-tetraol)

MW 246.22      C<sub>13</sub>H<sub>10</sub>O<sub>5</sub>      [27393-39-1]



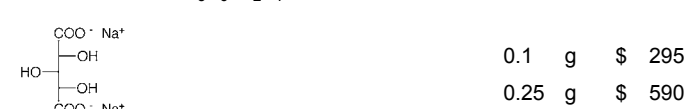
**XAN-002**      **9-Methyl xanthene-1,3,6,8-tetraol**

MW 276.24      C<sub>14</sub>H<sub>12</sub>O<sub>6</sub>



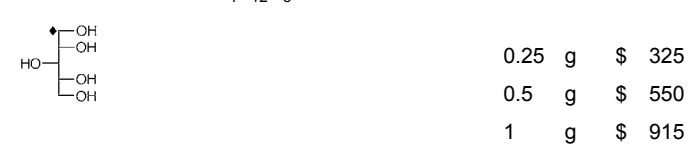
**XYL-029**      **xylaric acid, disodium salt**  
(Disodium xylarate)

MW 224.08      C<sub>5</sub>H<sub>6</sub>Na<sub>2</sub>O<sub>7</sub>



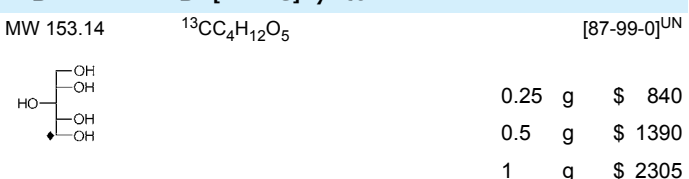
**ALD-037**      **D-[1-<sup>13</sup>C]xylitol**

MW 153.14      <sup>13</sup>CC<sub>4</sub>H<sub>12</sub>O<sub>5</sub>      [87-99-0]<sup>UN</sup>



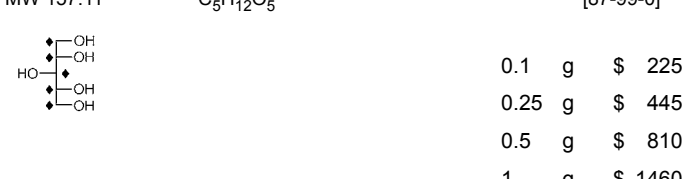
**ALD-038**      **D-[2-<sup>13</sup>C]xylitol**

MW 153.14      <sup>13</sup>CC<sub>4</sub>H<sub>12</sub>O<sub>5</sub>      [87-99-0]<sup>UN</sup>



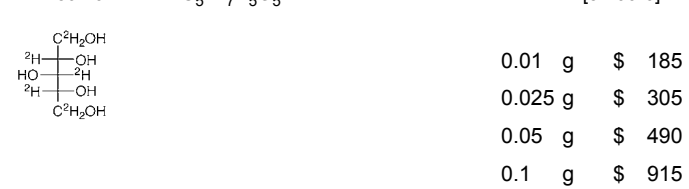
**ALD-039**      **D-[5-<sup>13</sup>C]xylitol**

MW 153.14      <sup>13</sup>CC<sub>4</sub>H<sub>12</sub>O<sub>5</sub>      [87-99-0]<sup>UN</sup>



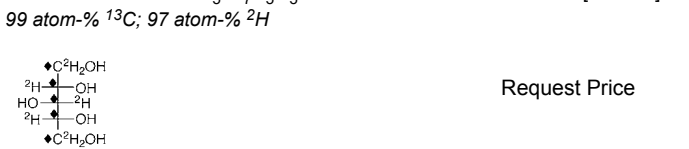
**ALD-060**      **[UL-<sup>13</sup>C<sub>5</sub>]xylitol**  
([UL-<sup>13</sup>C<sub>5</sub>;1,1',2,3,4,5,5'-<sup>2</sup>H<sub>7</sub>]xylitol)

MW 157.11      <sup>13</sup>C<sub>5</sub>H<sub>12</sub>O<sub>5</sub>      [87-99-0]<sup>UN</sup>



**ALD-075**      **[UL-<sup>13</sup>C<sub>5</sub>;UL-<sup>2</sup>H<sub>7</sub>]xylitol**  
([UL-<sup>13</sup>C<sub>5</sub>;1,1',2,3,4,5,5'-<sup>2</sup>H<sub>7</sub>]xylitol)

MW 164.15      <sup>13</sup>C<sub>5</sub><sup>2</sup>H<sub>7</sub>H<sub>5</sub>O<sub>5</sub>      [87-99-0]<sup>UN</sup>



**XYL-035**      **D-xylonic acid ammonium salt**  
(Ammonium D-xylonate)

MW 183.16      C<sub>5</sub>H<sub>9</sub>O<sub>6</sub>·NH<sub>4</sub>      [5461-96-1]

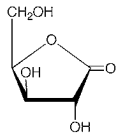
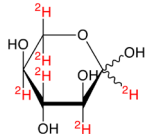
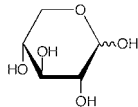
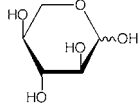
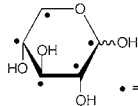
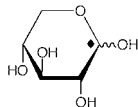
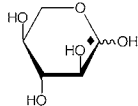


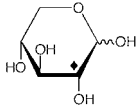
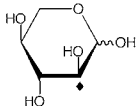
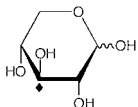
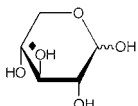
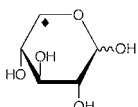
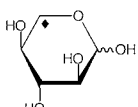
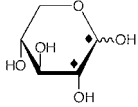
**XYL-034**      **L-xylonic acid, potassium salt**  
(Potassium L-xylonate)

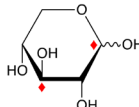
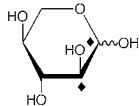
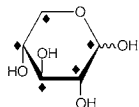
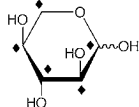
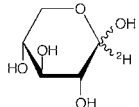
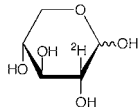
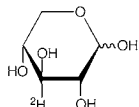
MW 204.22      C<sub>5</sub>H<sub>9</sub>KO<sub>6</sub>

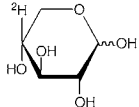
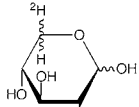
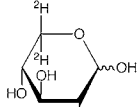
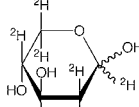
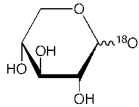
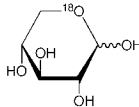


**xylonic acid lactone**  
see xylono-lactone *page 114*

<b>XYL-026</b>	<b>D-xylono-1,4-lactone</b> (D-xylonic acid γ-lactone)
MW 148.11	C <sub>5</sub> H <sub>8</sub> O <sub>5</sub> [15384-37-9]
	1 g \$ 370
<b>XYL-038</b>	<b>L-[UL-<sup>2</sup>H<sub>6</sub>]xylose</b>
MW 156.17	C <sub>5</sub> <sup>2</sup> H <sub>6</sub> H <sub>4</sub> O <sub>5</sub> [609-06-3] <sup>UN</sup>
	Request Price
<b>XYL-024</b>	<b>D-xylose</b> (D-xylo-pentose)
MW 150.13	C <sub>5</sub> H <sub>10</sub> O <sub>5</sub> [58-86-6]
	Request Price
<b>XYL-023</b>	<b>L-xylose</b> (L-xylo-pentose)
MW 150.13	C <sub>5</sub> H <sub>10</sub> O <sub>5</sub> [609-06-3]
	Request Price
<b>XYL-018</b>	<b>D-[UL-<sup>12</sup>C<sub>5</sub>]xylose (<sup>13</sup>C depleted)</b>
MW 150.08	<sup>12</sup> C <sub>5</sub> H <sub>10</sub> O <sub>5</sub> [58-86-6] <sup>UN</sup>
99.9 atom-% <sup>12</sup> C	
	Request Price
<b>XYL-003</b>	<b>D-[1-<sup>13</sup>C]xylose</b>
MW 151.12	<sup>13</sup> CC <sub>4</sub> H <sub>10</sub> O <sub>5</sub> [70849-21-7]
	0.1 g \$ 155 0.25 g \$ 275 0.5 g \$ 470 1 g \$ 785
<b>XYL-010</b>	<b>L-[1-<sup>13</sup>C]xylose</b>
MW 151.12	<sup>13</sup> CC <sub>4</sub> H <sub>10</sub> O <sub>5</sub> [178101-87-6]
	0.25 g \$ 415 0.5 g \$ 730 1 g \$ 1340

<b>XYL-004</b>	<b>D-[2-<sup>13</sup>C]xylose</b>
MW 151.12	<sup>13</sup> CC <sub>4</sub> H <sub>10</sub> O <sub>5</sub> [131771-69-2]
	0.25 g \$ 325 0.5 g \$ 535 1 g \$ 895
<b>XYL-011</b>	<b>L-[2-<sup>13</sup>C]xylose</b>
MW 151.12	<sup>13</sup> CC <sub>4</sub> H <sub>10</sub> O <sub>5</sub> [478506-63-7]
	0.25 g \$ 650 0.5 g \$ 1145 1 g \$ 2065
<b>XYL-019</b>	<b>D-[3-<sup>13</sup>C]xylose</b>
MW 151.12	<sup>13</sup> CC <sub>4</sub> H <sub>10</sub> O <sub>5</sub> [58-86-6] <sup>UN</sup>
	0.25 g \$ 640 0.5 g \$ 1025 1 g \$ 1825
<b>XYL-020</b>	<b>D-[4-<sup>13</sup>C]xylose</b>
MW 151.12	<sup>13</sup> CC <sub>4</sub> H <sub>10</sub> O <sub>5</sub> [58-86-6] <sup>UN</sup>
	0.25 g \$ 730 0.5 g \$ 1215 1 g \$ 2185
<b>XYL-005</b>	<b>D-[5-<sup>13</sup>C]xylose</b>
MW 151.12	<sup>13</sup> CC <sub>4</sub> H <sub>10</sub> O <sub>5</sub> [139657-63-9]
	0.25 g \$ 650 0.5 g \$ 1125 1 g \$ 1945
<b>XYL-012</b>	<b>L-[5-<sup>13</sup>C]xylose</b>
MW 151.12	<sup>13</sup> CC <sub>4</sub> H <sub>10</sub> O <sub>5</sub> [478506-64-8]
	0.1 g \$ 710 0.25 g \$ 1640
<b>XYL-006</b>	<b>D-[1,2-<sup>13</sup>C<sub>2</sub>]xylose</b>
MW 152.12	<sup>13</sup> C <sub>2</sub> C <sub>3</sub> H <sub>10</sub> O <sub>5</sub> [201741-00-6]
base price changed from \$110 to \$80 on Nov.6.2017	
	0.05 g \$ 100 0.1 g \$ 175 0.25 g \$ 325 0.5 g \$ 550 1 g \$ 975

<b>XYL-036</b>	<b>D-[1,3-<sup>13</sup>C<sub>2</sub>]xylose</b>
MW 152.12	<sup>13</sup> C <sub>2</sub> C <sub>3</sub> H <sub>10</sub> O <sub>5</sub> [58-86-6] <sup>UN</sup>
	Request Price
<b>XYL-028</b>	<b>L-[1,2-<sup>13</sup>C<sub>2</sub>]xylose</b>
MW 152.12	<sup>13</sup> C <sub>2</sub> C <sub>3</sub> H <sub>10</sub> O <sub>5</sub> [609-06-3] <sup>UN</sup>
	Request Price
<b>XYL-007</b>	<b>D-[UL-<sup>13</sup>C<sub>5</sub>]xylose</b>
MW 155.10	<sup>13</sup> C <sub>5</sub> H <sub>10</sub> O <sub>5</sub> [58-86-6] <sup>UN</sup>
	0.05 g \$ 130 0.1 g \$ 185 0.25 g \$ 370 0.5 g \$ 640 1 g \$ 1075
<b>XYL-025</b>	<b>L-[UL-<sup>13</sup>C<sub>5</sub>]xylose</b>
MW 155.10	<sup>13</sup> C <sub>5</sub> H <sub>10</sub> O <sub>5</sub> [609-06-3] <sup>UN</sup>
	0.05 g \$ 145 0.1 g \$ 205 0.25 g \$ 395 0.5 g \$ 690 1 g \$ 1215
<b>XYL-008</b>	<b>D-[1-<sup>2</sup>H]xylose</b>
MW 151.14	C <sub>5</sub> <sup>2</sup> HH <sub>9</sub> O <sub>5</sub> [288846-89-9]
	0.25 g \$ 220 0.5 g \$ 360 1 g \$ 610
<b>XYL-009</b>	<b>D-[2-<sup>2</sup>H]xylose</b>
MW 151.14	C <sub>5</sub> <sup>2</sup> HH <sub>9</sub> O <sub>5</sub> [288846-91-3]
	0.25 g \$ 265 0.5 g \$ 420 1 g \$ 730
<b>XYL-017</b>	<b>D-[3-<sup>2</sup>H]xylose</b>
MW 151.14	C <sub>5</sub> <sup>2</sup> HH <sub>9</sub> O <sub>5</sub> [58-86-6] <sup>UN</sup>
	Request Price

<b>XYL-014</b>	<b>D-[4-<sup>2</sup>H]xylose</b>
MW 151.14	C <sub>5</sub> <sup>2</sup> HH <sub>9</sub> O <sub>5</sub> [58-86-6] <sup>UN</sup>
	Request Price
<b>XYL-015</b>	<b>D-[5-<sup>2</sup>H]xylose</b>
MW 151.14	C <sub>5</sub> <sup>2</sup> HH <sub>9</sub> O <sub>5</sub> [58-86-6] <sup>UN</sup>
Monodeuterated non-stereospecifically at C5.	
	0.1 g \$ 175 0.25 g \$ 350 0.5 g \$ 590 1 g \$ 975
<b>XYL-013</b>	<b>D-[5,5'-<sup>2</sup>H<sub>2</sub>]xylose</b>
MW 152.15	C <sub>5</sub> <sup>2</sup> H <sub>2</sub> H <sub>8</sub> O <sub>5</sub> [58-86-6] <sup>UN</sup>
	Request Price
<b>XYL-016</b>	<b>D-[UL-<sup>2</sup>H<sub>6</sub>]xylose</b>
MW 156.17	C <sub>5</sub> <sup>2</sup> H <sub>6</sub> H <sub>4</sub> O <sub>5</sub> [58-86-6] <sup>UN</sup>
	0.05 g \$ 420 0.1 g \$ 790 0.25 g \$ 1560
<b>XYL-031</b>	<b>D-[1-<sup>18</sup>O]xylose</b>
MW 152.13	C <sub>5</sub> H <sub>10</sub> <sup>18</sup> OO <sub>4</sub> [58-86-6] <sup>UN</sup>
>90 atom-% <sup>18</sup> O	
	Request Price
<b>XYL-032</b>	<b>D-[5-<sup>18</sup>O]xylose</b>
MW 152.13	C <sub>5</sub> H <sub>10</sub> <sup>18</sup> OO <sub>4</sub> [58-86-6] <sup>UN</sup>
>90 atom-% <sup>18</sup> O	
	0.01 g \$ 225 0.025 g \$ 445 0.05 g \$ 730

XYL-030

D-[UL-<sup>13</sup>C<sub>5</sub>;UL-<sup>2</sup>H<sub>6</sub>]xylose  
(D-[UL-<sup>13</sup>C<sub>5</sub>;1,2,3,4,5,5'-<sup>2</sup>H<sub>6</sub>]xylose)

MW 161.13

<sup>13</sup>C<sub>5</sub><sup>2</sup>H<sub>6</sub>H<sub>4</sub>O<sub>5</sub>

[58-86-6]<sup>UN</sup>

99 atom-% <sup>13</sup>C; 97 atom-% <sup>2</sup>H

Request Price

XYL-033

L-xylosone  
(L-*threo*-pentos-2-ulose)

MW 148.11

C<sub>5</sub>H<sub>6</sub>O<sub>5</sub>

[26188-06-7]

Supplied as an aqueous solution.

Request Price

XYU-001

D-xylulose  
(D-*threo*-pent-2-ulose)

MW 150.13

C<sub>5</sub>H<sub>10</sub>O<sub>5</sub>

[551-84-8]

Supplied as an aqueous solution.

0.025 g\$100

0.05 g\$155

0.1 g\$250

0.25 g\$430

XYU-009

L-xylulose  
(L-*threo*-pent-2-ulose)

MW 150.13

C<sub>5</sub>H<sub>10</sub>O<sub>5</sub>

[527-50-4]

Supplied as an aqueous solution.

0.025 g\$155

0.05 g\$250

0.1 g\$430

0.25 g\$830

XYU-002

D-[1-<sup>13</sup>C]xylulose  
(D-[1-<sup>13</sup>C]*threo*-pent-2-ulose)

MW 151.12

<sup>13</sup>CC<sub>4</sub>H<sub>10</sub>O<sub>5</sub>

[131771-46-5]

Supplied as an aqueous solution.

0.25 g\$650

0.5 g\$1125

1 g\$1945

XYU-003

D-[2-<sup>13</sup>C]xylulose  
(D-[2-<sup>13</sup>C]*threo*-pent-2-ulose)

MW 151.12

<sup>13</sup>CC<sub>4</sub>H<sub>10</sub>O<sub>5</sub>

[131771-47-6]

Supplied as an aqueous solution.

0.25 g\$830

0.5 g\$1415

1 g\$2555

XYU-005

D-[1,2-<sup>13</sup>C<sub>2</sub>]xylulose  
(D-[1,2-<sup>13</sup>C<sub>2</sub>]*threo*-pent-2-ulose)

MW 152.11

<sup>13</sup>C<sub>2</sub>C<sub>3</sub>H<sub>10</sub>O<sub>5</sub>

[551-84-8]<sup>UN</sup>

Supplied as an aqueous solution.

Request Price

XYU-006

D-[UL-<sup>13</sup>C<sub>5</sub>]xylulose  
(D-[UL-<sup>13</sup>C<sub>5</sub>]*threo*-pent-2-ulose)

MW 155.09

<sup>13</sup>C<sub>5</sub>H<sub>10</sub>O<sub>5</sub>

[551-84-8]<sup>UN</sup>

Supplied as an aqueous solution.

0.01 g\$225

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