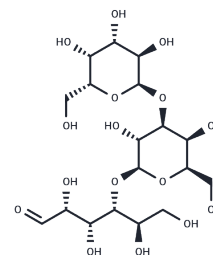


Isoglobotriaose

Chemical Properties

CAS No. :	41744-59-6
Formula:	C ₁₈ H ₃₂ O ₁₆
Molecular Weight:	504.44
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Isoglobotriaose (Gala-3Galb-4Glc), a mammalian tissue glycosphingolipid, is a Globotriaose analogue. The ganglioside derivatives of Isoglobotriaose and Globotriaose differ in their small intestine distribution: isoglobotriaosylceramide localizes exclusively to the non-epithelial residue, whereas globotriaosylceramide is present in both compartments [1] [2].
In vitro	Isoglobotriaose is produced through a one-pot enzymatic synthesis involving lactose, glucose-1-phosphate (Glc-1-P), and uridine 5'-triphosphate (UTP). This reaction system employs three enzymes: UDP-glucose pyrophosphorylase (GlaU), UDP-Gal 4-epimerase (GalE), and α 1-3 galactosyltransferase (α 1-3GalT)[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9824 mL	9.912 mL	19.824 mL
5 mM	0.3965 mL	1.9824 mL	3.9648 mL
10 mM	0.1982 mL	0.9912 mL	1.9824 mL
50 mM	0.0396 mL	0.1982 mL	0.3965 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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