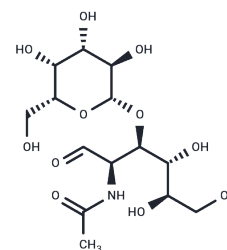


Lacto-N-biose I

Chemical Properties

CAS No. :	50787-09-2
Formula:	C ₁₄ H ₂₅ NO ₁₁
Molecular Weight:	383.35
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	Lacto-N-biose I, also known as Gal β 1-3GlcNAc, is a naturally occurring metabolite that serves as a substrate for the α 1,2-fucosyltransferase enzyme derived from <i>Helicobacter pylori</i> [1].
Targets(IC50)	Others,Endogenous Metabolite
In vitro	Lacto-N-biose I serves as an acceptor for the α 1,2-fucosyltransferase enzyme derived from <i>Helicobacter pylori</i> [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6086 mL	13.0429 mL	26.0858 mL
5 mM	0.5217 mL	2.6086 mL	5.2172 mL
10 mM	0.2609 mL	1.3043 mL	2.6086 mL
50 mM	0.0522 mL	0.2609 mL	0.5217 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.

Reference

Valli M, et al. Beta-1,3-galactosyltransferase and alpha-1,2-fucosyltransferase involved in the biosynthesis of type-1-chain carbohydrate antigens in human colon adenocarcinoma cell lines. *Eur J Biochem.* 1998;256(2):494-501.

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