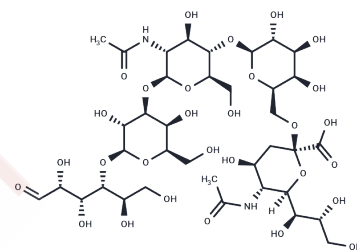


LSTc

Chemical Properties

CAS No. :	64003-55-0
Formula:	C37H62N2O29
Molecular Weight:	998.88
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	LSTc (LS-tetrasaccharide c), a human lactooligosaccharide found on glycoproteins and glycolipids, serves as a specific recognition motif for the human JC polyomavirus (JCV). This compound holds considerable potential for research into progressive multifocal leukoencephalopathy (PML) [1].
In vitro	LSTc, specifically engaged by JCV, inhibits JCV infection in SVG-A cells. In a Cell Viability Assay using SVG-A cells, a concentration of 5 mM (pretreat LSTc with JCV, then add JCV-LST complexes to cells) over an incubation period of 1 hour resulted in the inhibition of JCV infection. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0011 mL	5.0056 mL	10.0112 mL
5 mM	0.2002 mL	1.0011 mL	2.0022 mL
10 mM	0.1001 mL	0.5006 mL	1.0011 mL
50 mM	0.020 mL	0.1001 mL	0.2002 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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