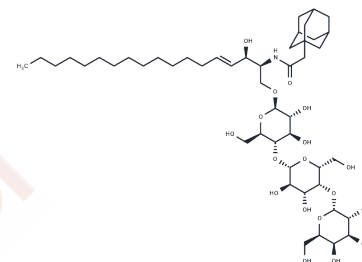


C2 Adamantanyl Globotriaosylceramide (d18:1/2:0)

Chemical Properties

CAS No. :	261155-87-7
Formula:	C48H83NO18
Molecular Weight:	962.181
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	C2 Adamantanyl globotriaosylceramide (AdaGb3) is a bioactive sphingolipid and water-soluble form of globotriaosylceramide that contains an adamantanyl group in place of the fatty acyl chain. It inhibits Vero toxin binding to globotriaosylceramide in an ELISA assay when used at a concentration of 10 μ M. AdaGb3 decreases cell surface expression of P-glycoprotein (P-gp) and reduces efflux of rhodamine 123 in MDCK cells. It also increases apical-to-basal transport of vinblastine in human intestinal C2BBe1 cells.
Targets(IC50)	Others,P-gp

Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0393 mL	5.1965 mL	10.3931 mL
5 mM	0.2079 mL	1.0393 mL	2.0786 mL
10 mM	0.1039 mL	0.5197 mL	1.0393 mL
50 mM	0.0208 mL	0.1039 mL	0.2079 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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