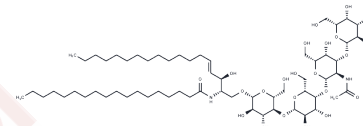


Ganglioside GM1 Asialo Mixture

Chemical Properties

CAS No. :	71012-19-6
Formula:	C62H114N2O23
Molecular Weight:	1255.585
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	Ganglioside GM1 asialo is a component of cellular lipid rafts and can be formed by the cleavage of the sialic acid residue from ganglioside GM1 by neuraminidase. Ganglioside GM1 asialo is a glycolipid receptor for <i>P. aeruginosa</i> flagellin and stimulates defensive responses in host cells, including extracellular ATP release, calcium mobilization, and ERK1/2 phosphorylation when stimulated by flagellin and an anti-ganglioside GM1 asialo antibody. The percentage of ganglioside GM1 asialo-positive natural killer (NK) and CD8+ T cells in lung is increased in a mouse model of respiratory syncytial virus (RSV) infection compared with healthy animals. Depletion of ganglioside GM1 asialo-positive NK and T cells reduces IFN- γ levels in the lung, reduces weight loss, and increases lung viral load in RSV-infected mice. Ganglioside GM1 asialo mixture contains ganglioside GM1 asialo molecular species with C18:1 and C20:1 sphingoid backbones.
Targets(IC50)	Others

Solubility Information

Solubility	Chloroform:Methanol (2:1): Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7964 mL	3.9822 mL	7.9644 mL
5 mM	0.1593 mL	0.7964 mL	1.5929 mL
10 mM	0.0796 mL	0.3982 mL	0.7964 mL
50 mM	0.0159 mL	0.0796 mL	0.1593 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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