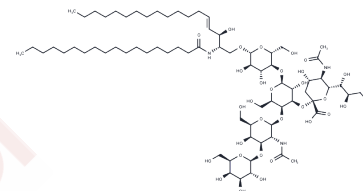


Ganglioside GM1

Chemical Properties

CAS No. :	37758-47-7
Formula:	C73H131N3O31
Molecular Weight:	1546.841
Storage:	Keep away from direct sunlight, Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Ganglioside GM1 is one of the major sphingolipids (GSLs) on the cell surface of the central nervous system (CNS), which is protective of the CNS and is used in the study of neurological disorders. Ganglioside GM1 exerts protection against glutamate excitotoxicity through its oligosaccharides in wild-type and amyotrophic lateral sclerosis motor neurons.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6465 mL	3.2324 mL	6.4648 mL
5 mM	0.1293 mL	0.6465 mL	1.293 mL
10 mM	0.0646 mL	0.3232 mL	0.6465 mL
50 mM	0.0129 mL	0.0646 mL	0.1293 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

Zhang W, et al. Pathophysiology of Ganglioside GM1 in Ischemic Stroke: Ganglioside GM1: A Critical Review. Cell Transplant. 2019 Jun;28(6):657-661.

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