

Ganglioside GD1b Mixture (sodium salt)

Chemical Properties

CAS No. :	19553-76-5
Formula:	C ₈₄ H ₁₄₆ N ₄ O ₃₉ Na
Molecular Weight:	1882.1
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 GD1b is an acidic glycosphingolipid that contains two sialic acid residues linked to an inner galactose unit. It is a component of plasma membranes where it packs densely with cholesterol to form lipid microdomains that modulate both intra- and intercellular signaling events. The concentration of ganglioside GD1b in human brain increases with age, constituting 7.85% of total sialic acid in the brain of 0- to 10-year-old subjects and 20.29% in 11- to 30-year-old subjects. Ganglioside GD1b mixture contains ganglioside GD1b molecular species with C18:1 and C20:1 fatty acyl chains.
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: Soluble 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	0.5313 mL	2.6566 mL	5.3132 mL
5 mM	0.1063 mL	0.5313 mL	1.0626 mL
10 mM	0.0531 mL	0.2657 mL	0.5313 mL
50 mM	0.0106 mL	0.0531 mL	0.1063 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.

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