

Ganglioside GM2 Mixture (sodium salt)

Chemical Properties

CAS No. :	19600-01-2
Formula:	C ₆₇ H ₁₂₀ N ₃ O ₂₆ Na
Molecular Weight:	1406.7
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 GM2 is a glycosphingolipid component of cellular membranes, primarily the plasma membrane. Levels of ganglioside GM2 are elevated in the brain of patients with Sandhoff disease, as well as feline and mouse models of the disease. Ganglioside GM2 accumulates in the lysosomes of individuals with Tay-Sachs disease and GM2-activator deficiency, as well as in the CNS of patients with and animal models of mucopolysaccharide storage disorders and Niemann-Pick disease types A, C1, and C2. Ganglioside GM2 mixture contains ganglioside GM2 molecular species with C18:1 and C20:1 sphingoid backbones.
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	0.7109 mL	3.5544 mL	7.1088 mL
5 mM	0.1422 mL	0.7109 mL	1.4218 mL
10 mM	0.0711 mL	0.3554 mL	0.7109 mL
50 mM	0.0142 mL	0.0711 mL	0.1422 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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