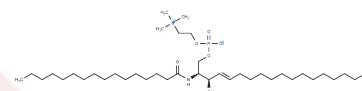


C16 Sphingomyelin (d18:1/16:0)

Chemical Properties

CAS No. :	6254-89-3
Formula:	C39H79N2O6P
Molecular Weight:	703.03
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	C16 Sphingomyelin (d18:1/16:0) (N-Palmitoyl-D-sphingomyelin) is a phospholipid analog of phospholipid bilayer membranes, which can be used to study biofilm activity.
Targets(IC50)	Endogenous Metabolite,Liposome

Solubility Information

Solubility	Ethanol: 10 mg/mL (14.22 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4224 mL	7.1121 mL	14.2241 mL
5 mM	0.2845 mL	1.4224 mL	2.8448 mL
10 mM	0.1422 mL	0.7112 mL	1.4224 mL
50 mM	0.0284 mL	0.1422 mL	0.2845 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

Dandan LING, et al. Lipid compounds and lipid nanoparticle compositions. Patent. WO2023056914

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