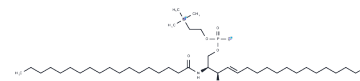


Sphingomyelin

Chemical Properties

CAS No. : 85187-10-6
 Formula: C₄₁H₈₃N₂O₆P
 Molecular Weight: 731.097
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Sphingomyelin is a natural sphingolipid that existed in animal cell membranes. It implicates the regulation of transmembrane signaling.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	Ethanol: Soluble, DMSO: Slightly soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3678 mL	6.839 mL	13.678 mL
5 mM	0.2736 mL	1.3678 mL	2.7356 mL
10 mM	0.1368 mL	0.6839 mL	1.3678 mL
50 mM	0.0274 mL	0.1368 mL	0.2736 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.

Reference

Chakraborty M, et al. Sphingomyelin and its role in cellular signaling. Adv Exp Med Biol. 2013;991:1-14.

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