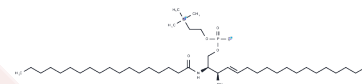


Sphingomyelin

Chemical Properties

CAS No. :	85187-10-6
Formula:	C41H83N2O6P
Molecular Weight:	731.097
Storage:	Keep away from direct sunlight 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	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: 25 mg/mL (34.2 mM),Sonication is recommended. DMSO: Slightly soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% EtOH+90% Corn Oil: 1.5 mg/mL (2.05 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

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.

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

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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481