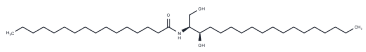
Data Sheet (Cat.No.T37454)

TargetMol

C16 dihydro Ceramide (d18:0/16:0)

Chemical Properties



CAS No. : 5966-29-0

Formula: C34H69NO3

Molecular Weight: 539.92

Storage: Store at low temperature
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 dihydro Ceramide (d18:0/16:0) (Cer(d18:0/16:0)) is a precursor for the synthesis of ceramides, induces autophagy in the perinuclear region, and can be used to study cell membrane stability and neurological diseases.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Soluble Chloroform:Methanol (5:1): Soluble Ethanol: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8521 mL	9.2606 mL	18.5213 mL
5 mM	0.3704 mL	1.8521 mL	3.7043 mL
10 mM	0.1852 mL	0.9261 mL	1.8521 mL
50 mM	0.037 mL	0.1852 mL	0.3704 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

Gupta S, et al. Integration of lipidomics and transcriptomics data towards a systems biology model of sphingolipid metabolism. BMC Syst Biol. 2011 Feb 8;5:26.

Błachnio-Zabielska A,et al. Aerobic training in rats increases skeletal muscle sphingomyelinase and serine palmitoyltransferase activity, while decreasing ceramidase activity. Lipids. 2011 Mar;46(3):229-38.

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