

C16 Ceramide-D7

Chemical Properties

CAS No. :	1840942-13-3
Formula:	C34H67NO3
Molecular Weight:	544.94
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 Ceramide-D7 is a deuterium-labeled compound of C16 Ceramide (T37562). C16 Ceramide (Palmitoyl Ceramide) is a naturally occurring ceramide small molecule that participates in cellular signal transduction and can selectively regulate the activation of p53-related pathways.
Targets(IC50)	Apoptosis,Endogenous Metabolite,MDM-2/p53

Solubility Information

Solubility	DMF: < 1 mg/mL (insoluble),Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8351 mL	9.1753 mL	18.3506 mL
5 mM	0.367 mL	1.8351 mL	3.6701 mL
10 mM	0.1835 mL	0.9175 mL	1.8351 mL
50 mM	0.0367 mL	0.1835 mL	0.367 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

Kean WF. Oxaprozin: kinetic and dynamic profile in the treatment of pain. Curr Med Res Opin. 2004;20(8):1275-1277.

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