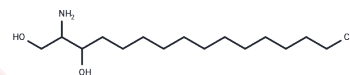


DL-erythro/threo Sphinganine (d16:0)

Chemical Properties

CAS No. :	50731-08-3
Formula:	C ₁₆ H ₃₅ NO ₂
Molecular Weight:	273.46
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	DL-erythro/threo Sphinganine (d16:0) is a sphingoid base and a key intermediate in ceramide and glycosphingolipid biosynthesis. It regulates cell growth and differentiation in sphingolipid metabolism research.
Targets(IC50)	Lipid

Solubility Information

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

	1mg	5mg	10mg
1 mM	3.6568 mL	18.2842 mL	36.5684 mL
5 mM	0.7314 mL	3.6568 mL	7.3137 mL
10 mM	0.3657 mL	1.8284 mL	3.6568 mL
50 mM	0.0731 mL	0.3657 mL	0.7314 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

Dos Santos DL, Kwitko S, Marinho DR, de Araújo BS, Locatelli CI, Rott MB. Acanthamoeba keratitis in Porto Alegre (southern Brazil): 28 cases and risk factors. Parasitol Res. 2018 Mar;117(3):747-750.

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