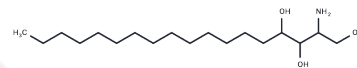


2-Aminooctadecane-1,3,4-Triol

Chemical Properties

CAS No. :	13552-11-9
Formula:	C ₁₈ H ₃₉ NO ₃
Molecular Weight:	317.51
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	2-Aminooctadecane-1,3,4-Triol (Phytosphingosine) is a natural product.
Targets(IC50)	Apoptosis,p38 MAPK

Solubility Information

Solubility	DMSO: 3.18 mg/mL (10.02 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1495 mL	15.7475 mL	31.4951 mL
5 mM	0.6299 mL	3.1495 mL	6.299 mL
10 mM	0.315 mL	1.5748 mL	3.1495 mL
50 mM	0.063 mL	0.315 mL	0.6299 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

Carolina Noronha Ferraz de Arruda, et al. The effect of phytosphingosine associated with tooth brushing on color change, surface roughness, and microhardness of dental enamel - an in vitro and in situ study. Clin Oral Investig. 2022 Jul 13.

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