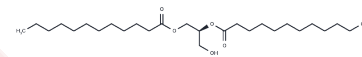


1,2-Dilauroyl-sn-glycerol

Chemical Properties

CAS No. :	60562-15-4
Formula:	C27H52O5
Molecular Weight:	456.7
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	1,2-Dilauroyl-sn-glycerol ((S)-1,2-Dilaurin) is primarily composed of the interaction of 1,2-dilauroyl-sn-glycerol (1,2-DLG) with phosphatidylcholine (PC) bilayers.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	Ethanol: 50.5 mg/mL (110.58 mM),Sonication is recommended. H2O: insoluble DMSO: 50 mg/mL (109.48 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	2.1896 mL	10.9481 mL	21.8962 mL
5 mM	0.4379 mL	2.1896 mL	4.3792 mL
10 mM	0.219 mL	1.0948 mL	2.1896 mL
50 mM	0.0438 mL	0.219 mL	0.4379 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

Hamilton JA, Bhamidipati SP, Kodali DR, Small DM. The interfacial conformation and transbilayer movement of diacylglycerols in phospholipid bilayers. J Biol Chem. 1991 Jan 15;266(2):1177-86.

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