

1,2-dioleoyl-sn-glycero-3-phosphocholine

Chemical Properties

CAS No. : 4235-95-4

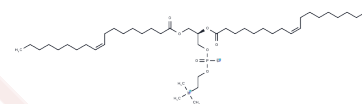
Formula: C44H84NO8P

Molecular Weight: 786.12

Store at low temperature,Keep away from direct sunlight

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	1,2-dioleoyl-sn-glycero-3-phosphocholine (DOPC) is a phospholipid containing the unsaturated long-chain (18:1) oleic acid inserted at the sn-1 and sn-2 positions.
Targets(IC50)	Others,Endogenous Metabolite,Liposome

Solubility Information

Solubility	DMSO: 60 mg/mL (76.32 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (2.54 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2721 mL	6.3604 mL	12.7207 mL
5 mM	0.2544 mL	1.2721 mL	2.5441 mL
10 mM	0.1272 mL	0.636 mL	1.2721 mL
50 mM	0.0254 mL	0.1272 mL	0.2544 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

Nakano S , Yamagishi T , Aoyagi S , et al. Evaluation of matrix effects on TOF-SIMS data of leu-enkephalin and 1,2-dioleoyl- sn - Glycero -3-phosphocholine mixed samples[J]. Biointerphases, 2018, 13(3):03B403.

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