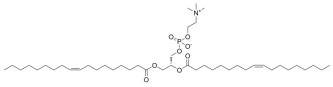
1,2-Dioleoyl-sn-glycero-3-phosphocholine

Cat. No.:	HY-113424A
CAS No.:	4235-95-4
Molecular Formula:	$C_{44}H_{84}NO_8P$
Molecular Weight:	786.11
Target:	Endogenous Metabolite; Liposome
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (127.21 mM; Need ultrasonic)
Ethanol : 50 mg/mL (63.60 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	1.2721 mL	6.3604 mL	12.7209 mL
5 mM	0.2544 mL	1.2721 mL	2.5442 mL
10 mM	0.1272 mL	0.6360 mL	1.2721 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (3.18 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (3.18 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (3.18 mM); Clear solution
4. Add each solvent one by one: 10% EtOH >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (3.18 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

1,2-Dioleoyl-sn-glycero-3-phosphocholine (DOPC) is a phospholipid and is commonly used alone, or with other components, in the generation of micelles, liposomes, and other types of artificial membranes.

IC_{50} & Target

Human Endogenous Metabolite

CUSTOMER VALIDATION

- J Surfactants Deterg. 30 May 2022.
- SSRN. 2024 Feb 5.

See more customer validations on www.MedChemExpress.com

Caution: Product has not been fully validated for medical applications. For research use only.

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