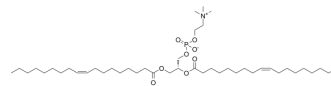


## 1,2-Dioleoyl-sn-glycero-3-phosphocholine

<b>Cat. No.:</b>	HY-113424A
<b>CAS No.:</b>	4235-95-4
<b>Molecular Formula:</b>	C <sub>44</sub> H <sub>84</sub> NO <sub>8</sub> P
<b>Molecular Weight:</b>	786
<b>Target:</b>	Endogenous Metabolite; Liposome
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	-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 (127.23 mM; Need ultrasonic)  
Ethanol : 50 mg/mL (63.61 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.2723 mL	6.3613 mL	12.7226 mL
	5 mM	0.2545 mL	1.2723 mL	2.5445 mL
	10 mM	0.1272 mL	0.6361 mL	1.2723 mL

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

#### In Vivo

- 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
- 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
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (3.18 mM); Clear solution
- 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<sub>50</sub> & Target

Human Endogenous Metabolite

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## CUSTOMER VALIDATION

- J Surfactants Deterg. 30 May 2022.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

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

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