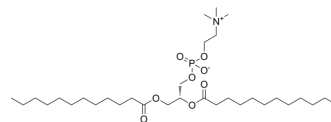


DLPC

Cat. No.:	HY-107737		
CAS No.:	18194-25-7		
Molecular Formula:	C ₃₂ H ₆₄ NO ₈ P		
Molecular Weight:	621.83		
Target:	Liposome		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

Ethanol : 100 mg/mL (160.82 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.6082 mL	8.0408 mL	16.0816 mL
	5 mM	0.3216 mL	1.6082 mL	3.2163 mL
	10 mM	0.1608 mL	0.8041 mL	1.6082 mL

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

In Vivo

- Add each solvent one by one: 10% EtOH >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (4.02 mM); Clear solution
- Add each solvent one by one: 10% EtOH >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (4.02 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

DLPC (1,2-Dilauroyl-sn-glycero-3-phosphocholine) is an LRH-1 agonist ligand. DLPC is a phospholipid for biological study^{[1][2]}

CUSTOMER VALIDATION

- Cell Prolif. 2023 Nov;56(11):e13479.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Matthew E Nipper, et al. Detection of liposome membrane viscosity perturbations with ratiometric molecular rotors. *Biochimie*. 2011 Jun;93(6):988-94.
- [2]. Jae Man Lee, et al. A nuclear-receptor-dependent phosphatidylcholine pathway with antidiabetic effects. *Nature*. 2011 May 25;474(7352):506-10.
-

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA