DLPC

Cat. No.: HY-107737

CAS No.: 18194-25-7

Molecular Formula: $C_{32}H_{64}NO_8P$

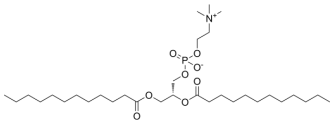
Molecular Weight: 622

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 (160.77 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	1.6077 mL	8.0386 mL	16.0772 mL
	5 mM	0.3215 mL	1.6077 mL	3.2154 mL
	10 mM	0.1608 mL	0.8039 mL	1.6077 mL

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

In Vivo

1. 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
2. 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] .

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.

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