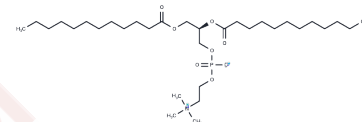


DLPC

Chemical Properties

CAS No. :	18194-25-7
Formula:	C32H64NO8P
Molecular Weight:	621.83
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	DLPC is an LRH-1 agonist ligand. DLPC is a phospholipid for biological study[1][2].
Targets(IC50)	Apoptosis,Others,Liposome,PPAR,TNF,Orphan Receptor
In vivo	DLPC treatment induces bile acid biosynthetic enzymes in mouse liver, increases bile acid levels, and lowers hepatic triglycerides and serum glucose. DLPC treatment also decreases hepatic steatosis and improves glucose homeostasis in two mouse models of insulin resistance[2].

Solubility Information

Solubility	Ethanol: 125 mg/mL (201.02 mM),Sonication is recommended. DMSO: 7.14 mg/mL (11.48 mM),Sonication is recommended. H2O: < 1 mg/mL (insoluble or slightly soluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0322 mL	0.1608 mL	0.3216 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

Matthew E Nipper, et al. Detection of liposome membrane viscosity perturbations with ratiometric molecular rotors. *Biochimie*. 2011 Jun;93(6):988-94.

Jae Man Lee, et al. A nuclear-receptor-dependent phosphatidylcholine pathway with antidiabetic effects. *Nature*. 2011 May 25;474(7352):506-10.

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