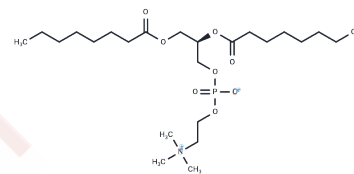


1,2-Dioctanoyl PC

Chemical Properties

CAS No. :	19191-91-4
Formula:	C ₂₄ H ₄₈ N ₀ O ₈ P
Molecular Weight:	509.61
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	Phosphatidylcholine (PC) species are a common class of phospholipids that comprise the mammalian cell membrane. 1,2-Dioctanoyl PC is a synthetic analog of natural phosphatidylcholine species containing saturated C ₈ :O fatty acids in the sn-1 and sn-2 positions of the glycerol backbone. It exhibits a critical micelle concentration (CMC) value of 0.25 mM at 27°C. 1,2-Dioctanoyl PC serves as an efficient substrate for phospholipase D (PLD) as well as sPLA2 isozymes from bovine pancreas and bee venom.
Targets(IC50)	Others,Liposome

Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9623 mL	9.8114 mL	19.6228 mL
5 mM	0.3925 mL	1.9623 mL	3.9246 mL
10 mM	0.1962 mL	0.9811 mL	1.9623 mL
50 mM	0.0392 mL	0.1962 mL	0.3925 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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