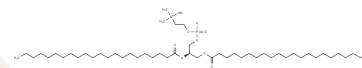


## 1,2-Didocosanoyl-Sn-Glycero-3-Phosphocholine

### Chemical Properties

CAS No. :	37070-48-7
Formula:	C52H104NO8P
Molecular Weight:	902.36
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	1,2-Didocosanoyl-Sn-Glycero-3-Phosphocholine is an endogenous metabolite, belonging to long-chain phosphatidylcholine lipids. 1,2-Didocosanoyl-Sn-Glycero-3-Phosphocholine has a high phase transition temperature and low membrane fluidity, and is often used to construct a stable lipid bilayer structure. 1,2-Didocosanoyl-Sn-Glycero-3-Phosphocholine can be used as a lung surfactant, to regulate the rigidity and permeability of liposome membranes, and to study model membranes and drug delivery systems.
Targets(IC50)	Endogenous Metabolite

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1082 mL	5.541 mL	11.0821 mL
5 mM	0.2216 mL	1.1082 mL	2.2164 mL
10 mM	0.1108 mL	0.5541 mL	1.1082 mL
50 mM	0.0222 mL	0.1108 mL	0.2216 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

Pan Q, et al. Construction of novel multifunctional luminescent nanoparticles based on DNA bridging and their inhibitory effect on tumor growth. RSC Adv. 2019 May 14;9(26):15042-15052.

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