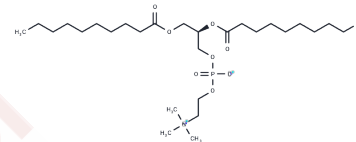


## 1,2-Didecanoyl-sn-glycero-3-phosphocholine

## Chemical Properties

CAS No. :	3436-44-0
Formula:	C <sub>28</sub> H <sub>56</sub> N <sub>0</sub> O <sub>8</sub> P
Molecular Weight:	565.72
Storage:	Pure form: -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-Didecanoyl-sn-glycero-3-phosphocholine (1,2-Didecanoyl PC) is a synthetic, less hydrophobic phospholipid that has been found to be useful for enhancing the absorption of peptide drugs and hormones such as insulin.
Targets(IC50)	Others,Liposome

## Solubility Information

Solubility	DMSO: 30 mg/mL (53.03 mM),Sonication is recommended. Ethanol: 50 mg/mL (88.38 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7677 mL	8.8383 mL	17.6766 mL
5 mM	0.3535 mL	1.7677 mL	3.5353 mL
10 mM	0.1768 mL	0.8838 mL	1.7677 mL
50 mM	0.0354 mL	0.1768 mL	0.3535 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

Agerholm C, et al. Epithelial transport and bioavailability of intranasally administered human growth hormone formulated with the absorption enhancers didecanoyl-L-alpha-phosphatidylcholine and alpha-cyclodextrin in rabbits. J Pharm Sci. 1994 Dec;83(12):1706-11.

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