

## Lecithin

## Chemical Properties

CAS No. : 8002-43-5

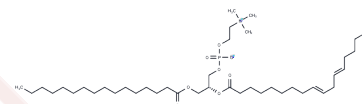
Formula: C42H80NO8P

Molecular Weight: 758.06

Store at low temperature

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	Lecithin (L-alpha-phosphatidylcholine) is considered a safe source of conventional phospholipids. Phospholipids can change the fatty acid composition and microstructure of animal cell membrane.
Targets(IC50)	Endogenous Metabolite

## Solubility Information

Solubility	DMSO: 7.59 mg/mL (10.01 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	1.3192 mL	6.5958 mL	13.1916 mL
5 mM	0.2638 mL	1.3192 mL	2.6383 mL
10 mM	0.1319 mL	0.6596 mL	1.3192 mL
50 mM	0.0264 mL	0.1319 mL	0.2638 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

Mansour M, et al. Novel polyglycerol-dioleate based cubosomal dispersion with tailored physical characteristics for controlled delivery of ondansetron. *Colloids Surf B Biointerfaces*. 2017 Apr 26;156:44-54.

Zhao L, Sun X, Hou C, et al. CPNE7 promotes colorectal tumorigenesis by interacting with NONO to initiate ZFP42 transcription. *Cell Death & Disease*. 2024, 15(12): 896.

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