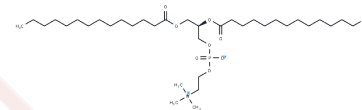


## 1,2-Dimyristoyl-sn-glycero-3-phosphocholine

## Chemical Properties

CAS No. :	18194-24-6
Formula:	C <sub>36</sub> H <sub>72</sub> N <sub>0</sub> O <sub>8</sub> P
Molecular Weight:	677.93
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	1,2-Dimyristoyl-sn-glycero-3-phosphocholine (DMPC) is a synthetic phospholipid utilized in liposomes for the study of lipid monolayers and bilayers.
Targets(IC50)	Others,Liposome

## Solubility Information

Solubility	Ethanol: 250 mg/mL (368.77 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	1.4751 mL	7.3754 mL	14.7508 mL
5 mM	0.295 mL	1.4751 mL	2.9502 mL
10 mM	0.1475 mL	0.7375 mL	1.4751 mL
50 mM	0.0295 mL	0.1475 mL	0.295 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

Iwona Budziak, et al. Effect of polyols on the DMPC lipid monolayers and bilayers. Biochim Biophys Acta Biomembr. 2018 Nov;1860(11):2166-2174.

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