

## 1-Stearoyl-sn-glycero-3-phosphocholine

## Chemical Properties

CAS No. : 19420-57-6

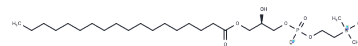
Formula: C<sub>26</sub>H<sub>54</sub>N<sub>1</sub>O<sub>7</sub>P

Molecular Weight: 523.68

Storage: Keep away from direct sunlight, Store under nitrogen,  
Store at low temperature

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-Stearoyl-sn-glycero-3-phosphocholine (L-ALPHA-LYSOPHOSPHATIDYLCHOLINE, STEAROY) is a chemical compound utilized in lipid metabolism studies. |
| Targets(IC50) | Apoptosis,Others,Endogenous Metabolite,HDAC,STAT   |

## Solubility Information

|            |  |
|------------|--|
| Solubility | DMSO: 5.24 mg/mL (10.01 mM),Sonication is recommended.<br>H <sub>2</sub> O: Insoluble,<br>( < 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.9096 mL | 9.5478 mL | 19.0956 mL |
| 5 mM  | 0.3819 mL | 1.9096 mL | 3.8191 mL  |
| 10 mM | 0.191 mL  | 0.9548 mL | 1.9096 mL  |
| 50 mM | 0.0382 mL | 0.191 mL  | 0.3819 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

Jung J H , Jeong S J , Kim J H , et al. Inactivation of HDAC3 and STAT3 is Critically Involved in 1-Stearoyl-sn-Glycero-3-Phosphocholine-Induced Apoptosis in Chronic Myelogenous Leukemia K562 Cells[J]. Cell Biochemistry & Biophysics, 2013, 67(3):1379-1389.

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