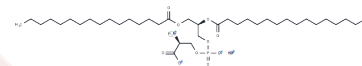


## 1,2-Dipalmitoyl-sn-glycero-3-phosphoserine sodium salt

## Chemical Properties

CAS No. :	145849-32-7
Formula:	C <sub>38</sub> H <sub>73</sub> NNaO <sub>10</sub> P
Molecular Weight:	757.95
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	DPPS (1,2-Dipalmitoyl-sn-glycero-3-PS sodium salt) is an anionic diacyl-phospholipid, a form of phosphatidylserine (PS), which is a negatively charged phospholipid located in the lobules of cell membranes. DPPS are used to make cationic vesicles and liposomes.
Targets(IC50)	Others,Liposome

## Solubility Information

Solubility	DMSO: 1 mg/mL (insoluble or slightly soluble) ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3193 mL	6.5967 mL	13.1935 mL
5 mM	0.2639 mL	1.3193 mL	2.6387 mL
10 mM	0.1319 mL	0.6597 mL	1.3193 mL
50 mM	0.0264 mL	0.1319 mL	0.2639 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

Lozano N, et al. Catanionic vesicles formed with arginine-based surfactants and 1,2-dipalmitoyl-sn-glycero-3-phosphate monosodium salt. J Phys Chem B. 2009;113(18):6321-6327.

Patra D, et al. Effect of curcumin on liposome: curcumin as a molecular probe for monitoring interaction of ionic liquids with 1,2-dipalmitoyl-sn-glycero-3-phosphocholine liposome. Photochem Photobiol. 2012;88(2):317-327.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481