

1,2-POPS sodium salt

Chemical Properties

CAS No. : 321863-21-2

Formula: C40H75NNaO10P

Molecular Weight: 783.99

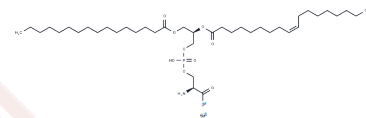
Keep away from direct sunlight, Keep away from moisture, Store under nitrogen, Store at low temperature, The compound is unstable in solution.

Storage:

Please use soon

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	1,2-POPS sodium salt is a lipid that can be used to synthesize artificial lipid membranes and synthesize liposomes for transporting compounds.
Targets(IC50)	Others, Liposome

Solubility Information

Solubility	H2O: 100 mg/mL (127.55 mM), The compound is unstable in solution. Please use soon. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2755 mL	6.3776 mL	12.7553 mL
5 mM	0.2551 mL	1.2755 mL	2.5511 mL
10 mM	0.1276 mL	0.6378 mL	1.2755 mL
50 mM	0.0255 mL	0.1276 mL	0.2551 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

Yu M, et al. Enhancement of Anti-inflammatory Effects of Synthetic High-Density Lipoproteins by Incorporation of Anionic Lipids. Mol Pharm. 2023 Nov 6;20(11):5454-5462.

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