

1-Palmitoyl-2-hydroxy-sn-glycero-3-PE

Chemical Properties

CAS No. : 53862-35-4

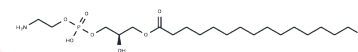
Formula: C₂₁H₄₄N₀O₇P

Molecular Weight: 453.55

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

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-Palmitoyl-2-hydroxy-sn-glycero-3-PE is a naturally occurring lysophospholipid and endogenous metabolite used in biochemical experiments and drug synthesis research.
Targets(IC50)	Endogenous Metabolite, Liposome

Solubility Information

Solubility	Chloroform: 3 mg/mL (6.61 mM), Sonication is recommended. Methanol: 3 mg/mL (6.61 mM), Sonication is recommended. DMF: 3 mg/mL (6.61 mM), Sonication is recommended. DMSO: 3 mg/mL (6.61 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	2.2048 mL	11.0241 mL	22.0483 mL
5 mM	0.441 mL	2.2048 mL	4.4097 mL
10 mM	0.2205 mL	1.1024 mL	2.2048 mL
50 mM	0.0441 mL	0.2205 mL	0.441 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

Feng Hao, et al. Lysophosphatidic acid-induced vascular neointimal formation in mouse carotid arteries is mediated by the matricellular protein CCN1/Cyr61. *Am J Physiol Cell Physiol.* 2016 Dec 1;311(6):C975-C984.

Kjell Stålberg, et al. Characterization of two *Arabidopsis thaliana* acyltransferases with preference for lysophosphatidylethanolamine. *BMC Plant Biol.* 2009 May 16;9:60.

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