

1-Palmitoyl-2-linoleoyl PE

Chemical Properties

CAS No. : 26662-95-3

Formula: C39H74NO8P

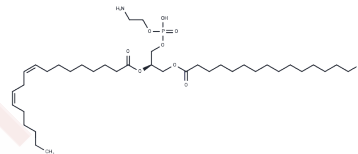
Molecular Weight: 715.99

The compound is unstable in solution. Please use soon

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	1-Palmitoyl-2-linoleoyl PE is a kind of phosphatidylethanolamine lipid, which can be used as a component of liposomes or lipid nanoparticles to promote the delivery and cell uptake of nucleic acids (such as siRNA).
Targets(IC50)	Liposome

Solubility Information

Solubility	Ethanol: 25 mg/mL (34.92 mM), Sonication is recommended. The compound is unstable in solution. Please use soon. DMSO: Soluble, 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	1.3967 mL	6.9833 mL	13.9667 mL
5 mM	0.2793 mL	1.3967 mL	2.7933 mL
10 mM	0.1397 mL	0.6983 mL	1.3967 mL
50 mM	0.0279 mL	0.1397 mL	0.2793 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

Jiang C, et al., Application of compound or traditional chinese medicine extract in preparation of nucleic acid delivery agent and related products thereof. WO2018177383

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