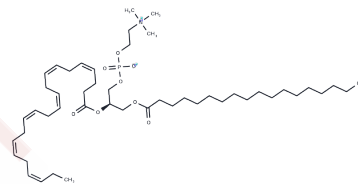


1-Stearoyl-2-docosahexaenoyl-sn-glycero-3-PC (10 mg/mL in Chloroform)

Chemical Properties

CAS No. :	59403-52-0
Formula:	C48H84NO8P
Molecular Weight:	834.16
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	1-Stearoyl-2-docosahexaenoyl-sn-glycero-3-PC is a phospholipid in biological membranes containing stearic acid and docosahexaenoic acid at the sn-1 and sn-2 positions, respectively. It has been used to study the organization and dynamics of lipid membranes. In the superoxide dismutase 1 mutant transgenic mouse model of amyotrophic lateral sclerosis (ALS) 1-Stearoyl-2-docosahexaenoyl-sn-glycero-3-PC levels decrease in the anterior horn of L5 in late stages of the disease. 1-Stearoyl-2-docosahexaenoyl-sn-glycero-3-PC can be used to study biological membranes.
Targets(IC50)	Others,PPAR

Solubility Information

Solubility	Chloroform: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1988 mL	5.9941 mL	11.9881 mL
5 mM	0.2398 mL	1.1988 mL	2.3976 mL
10 mM	0.1199 mL	0.5994 mL	1.1988 mL
50 mM	0.024 mL	0.1199 mL	0.2398 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

Lu Y, et al. Amyloid- β (29-42) Dimeric Conformations in Membranes Rich in Omega-3 and Omega-6 Polyunsaturated Fatty Acids. J Phys Chem B. 2019;123(12):2687-2696.

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