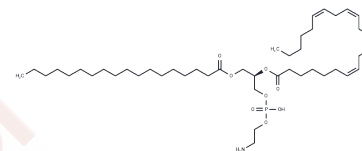


1-Stearoyl-2-Adrenoyl-sn-glycero-3-PE

Chemical Properties

CAS No. :	131350-53-3
Formula:	C45H82NO8P
Molecular Weight:	796.124
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-Stearoyl-2-adrenoyl-sn-glycero-3-PE is a phospholipid containing stearic acid and adrenic acid at the sn-1 and sn-2 positions, respectively. Levels of 1-Stearoyl-2-adrenoyl-sn-glycero-3-PE are inversely correlated with subject age in mitochondria isolated from human post-mortem hippocampus [1].
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	Chloroform: 10 mg/mL (12.56 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	1.2561 mL	6.2805 mL	12.5609 mL
5 mM	0.2512 mL	1.2561 mL	2.5122 mL
10 mM	0.1256 mL	0.628 mL	1.2561 mL
50 mM	0.0251 mL	0.1256 mL	0.2512 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

Hancock, S.E., Friedrich, M.G., Mitchell, T.W., et al. Decreases in phospholipids containing adrenic and arachidonic acids occur in the human hippocampus over the adult lifespan *Lipids* 50(9)861-872(2015)

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