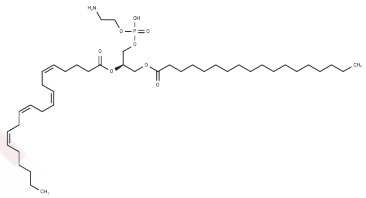
Data Sheet (Cat.No.T81216)

TargetMol

1-Stearoyl-2-arachidonoyl-sn-glycero-3-phosphorylethanolamine

Chemical Properties



CAS No. : 61216-62-4

Formula: C43H78NO8P

Molecular Weight: 768.06

Storage: Keep away from direct sunlight
Store at -20°C
Actual storage temperature shall be subject to the COA.

Biological Description

Description	1-Stearoyl-2-arachidonoyl-sn-glycero-3-phosphorylethanolamine (SAPE) is a natural phospholipid found in mitochondrial inner membranes, involved in lipid signaling.
Targets(IC50)	Others
In vitro	1-Stearoyl-2-arachidonoyl-sn-glycero-3-phosphorylethanolamine (SAPE) is used for tumor detection, wherein microspheres coupled with tumor-associated diagnostic factor capture antibodies are sonicated for 20 seconds.[1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.302 mL	6.5099 mL	13.0198 mL
5 mM	0.2604 mL	1.302 mL	2.604 mL
10 mM	0.1302 mL	0.651 mL	1.302 mL
50 mM	0.026 mL	0.1302 mL	0.2604 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

Ghysels A, et al. Position-Dependent Diffusion Tensors in Anisotropic Media from Simulation: Oxygen Transport in and through Membranes. J Chem Theory Comput. 2017 Jun 13;13(6):2962-2976.
Subbanagounder G,et al. Determinants of bioactivity of oxidized phospholipids. Specific oxidized fatty acyl groups at the sn-2 position. Arterioscler Thromb Vasc Biol. 2000 Oct;20(10):2248-54.

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