

KDdiA-PC

Chemical Properties

CAS No. : 439904-34-4

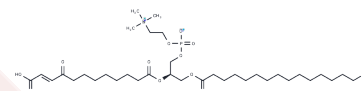
Formula: C₃₆H₆₆NO₁₁P

Molecular Weight: 719.88

Storage: High Volatility, 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	KDdiA-PC is an oxidized phosphatidylcholine (oxPC) directly related to atherosclerosis.
Targets(IC50)	Others

Solubility Information

Solubility	DMF: < 1 mg/mL (insoluble or slightly soluble) Ethanol: 10 mg/mL (13.89 mM), Sonication is recommended. PBS (pH 7.2): 2 mg/mL (2.78 mM), Sonication is recommended. DMSO: < 1 mg/mL (insoluble or slightly soluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3891 mL	6.9456 mL	13.8912 mL
5 mM	0.2778 mL	1.3891 mL	2.7782 mL
10 mM	0.1389 mL	0.6946 mL	1.3891 mL
50 mM	0.0278 mL	0.1389 mL	0.2778 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

Santa DE, et al. Atherosclerotic Oxidized Lipids Affect Formation and Biophysical Properties of Supported Lipid Bilayers and Simulated Membranes. J Phys Chem B. 2024 Nov 28;128(47):11694-11704.

Elsøe S, et al. Apolipoprotein M binds oxidized phospholipids and increases the antioxidant effect of HDL. Atherosclerosis. 2012 Mar;221(1):91-7.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481