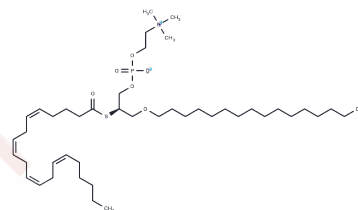


Arachidonoyl thio-PC

Chemical Properties

CAS No. :	146797-82-2
Formula:	C44H82NO6PS
Molecular Weight:	784.16
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	Arachidonoyl Thio-PC is a substrate for various phospholipase A2s (PLA2s), including sPLA2, cPLA2, and iPLA2. Cleavage of the sn-2 fatty acid by PLA2 produces a free thiol that reacts with chromogenic reagents like DTNB (Ellman's reagent) and DTP, facilitating PLA2 activity quantitation. Isozyme-specific cPLA2 activity can be measured by excluding or inhibiting sPLA2 and iPLA2 activities in the assay.
Targets(IC50)	Others

Solubility Information

Solubility	H2O: 0.5 mg/mL (0.64 mM), Sonication is recommended. DMF: >25 mg/mL, Sonication is recommended. DMSO: >25 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2752 mL	6.3762 mL	12.7525 mL
5 mM	0.255 mL	1.2752 mL	2.5505 mL
10 mM	0.1275 mL	0.6376 mL	1.2752 mL
50 mM	0.0255 mL	0.1275 mL	0.255 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.

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