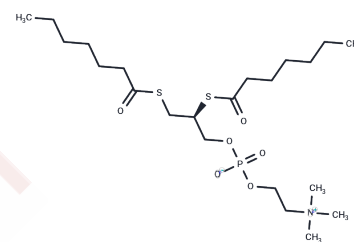


1,2-bis(heptanoylthio) Glycerophosphocholine

Chemical Properties

CAS No. :	89019-63-6
Formula:	C ₂₂ H ₄₄ NO ₆ PS ₂
Molecular Weight:	513.69
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	Diheptanoyl Thio-PC is a substrate for all phospholipase A2s (PLA2s) with the exception of cPLA2 and PAF-acetyl hydrolase (PAF-AH). Interaction of this compound with a PLA2 results in cleavage of the sn-2 fatty acid generating a free thiol on the lysophospholipid. This free thiol can be detected using chromogenic substrates such as DTNB (Ellman's reagent) and DTP.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	DMF: >50 mg/mL,Sonication is recommended. Ethanol: >25 mg/mL,Sonication is recommended. PBS (pH 7.2): >62 µg/mL,Sonication is recommended. DMSO: >50 mg/mL,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	1.9467 mL	9.7335 mL	19.467 mL
5 mM	0.3893 mL	1.9467 mL	3.8934 mL
10 mM	0.1947 mL	0.9733 mL	1.9467 mL
50 mM	0.0389 mL	0.1947 mL	0.3893 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