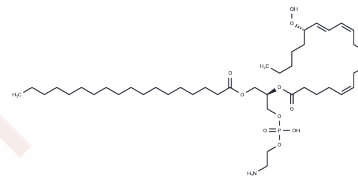


1-Stearoyl-2-15(S)-HpETE-sn-glycero-3-PE

Chemical Properties

CAS No. :	154436-49-4
Formula:	C43H78NO10P
Molecular Weight:	800.068
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-2-15(S)-HpETE-sn-glycero-3-PE is a phospholipid with stearic acid at the sn-1 position and 15(S)-HpETE at the sn-2 position, produced by oxidation of 1-stearoyl-2-arachidonoyl-sn-glycero-3-PE by 15-lipoxygenase (15-LO). At concentrations of 0.6 and 0.9 μ M, it increases ferroptotic cell death in wild-type and Acsl4 knockout Pfa1 mouse embryonic fibroblasts (MEFs) treated with the GPX4 inhibitor RSL3.
Targets(IC50)	Others,Ferroptosis

Solubility Information

Solubility	Ethanol:PBS (pH 7.2)(1:2): 0.3 mg/mL (0.37 mM),Sonication is recommended. Ethanol: 30 mg/mL (37.5 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2499 mL	6.2495 mL	12.4989 mL
5 mM	0.250 mL	1.2499 mL	2.4998 mL
10 mM	0.125 mL	0.6249 mL	1.2499 mL
50 mM	0.025 mL	0.125 mL	0.250 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