

PAF C-18:1

Chemical Properties

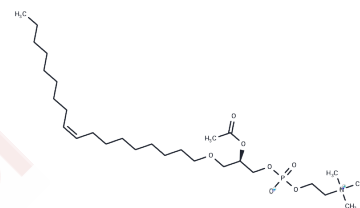
CAS No. : 85966-90-1

Formula: C₂₈H₅₆NO₇P

Molecular Weight: 549.73

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	PAF C-18:1 is a naturally occurring phospholipid produced by cells upon stimulation and plays a role in the establishment and maintenance of the inflammatory response. It is less potent than PAF C-16 and PAF C-18 in the induction of neutrophil chemotaxis, but is equipotent to PAF C-16 and PAF C-18 in promoting eosinophil migration. PAF C-18:1 activates the PAF receptor and has been used in antibody binding experiments to determine the importance of an acyl linkage at the sn-2 position for recognition at this receptor.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	H ₂ O: 20 mg/mL (36.38 mM),Sonication is recommended. DMF: 10 mg/mL (18.19 mM),Sonication is recommended. DMSO: 10 mg/mL (18.19 mM),Sonication is recommended. PBS (pH 7.2): 20 mg/mL (36.38 mM),Sonication is recommended. Ethanol: 10 mg/mL (18.19 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8191 mL	9.0954 mL	18.1907 mL
5 mM	0.3638 mL	1.8191 mL	3.6381 mL
10 mM	0.1819 mL	0.9095 mL	1.8191 mL
50 mM	0.0364 mL	0.1819 mL	0.3638 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