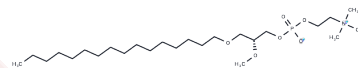


2-O-methyl PAF C-16

Chemical Properties

CAS No. :	78858-44-3
Formula:	C ₂₅ H ₅₄ N ₆ O ₆ P
Molecular Weight:	495.7
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	2-O-methyl PAF C-16 is a synthetic analog of platelet-activating factor (PAF) featuring a methyl group attached via an ether linkage at the sn-2 position. While the specific biological activities of 2-O-methyl PAF C-16 remain undercharacterized, studies with its C-18 counterpart have demonstrated its ability to modulate various biological processes. These processes include reducing plasma membrane fluidity and hindering the invasiveness of tumor cells in embryonic chick hearts. Furthermore, in rat astrocytes, the C-18 analog prompts the release of significant amounts of nitric oxide (NO) through a mechanism that involves the activation of nitric oxide synthase (NOS).
Targets(IC50)	Others,TNF

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0173 mL	10.0867 mL	20.1735 mL
5 mM	0.4035 mL	2.0173 mL	4.0347 mL
10 mM	0.2017 mL	1.0087 mL	2.0173 mL
50 mM	0.0403 mL	0.2017 mL	0.4035 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

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