

Methylcarbamyl PAF C-16

Chemical Properties

CAS No. : 91575-58-5

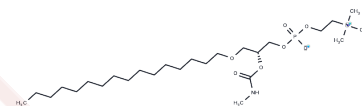
Formula: C₂₆H₅₅N₂O₇P

Molecular Weight: 538.7

Store at low temperature

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	Methylcarbamyl PAF C-16 (Carbamyl-PAF) is a platelet-activating factor analogue with PAF agonist properties, activating inflammation in pregnancy tissues and promoting preterm birth.
Targets(IC50)	Platelet aggregation,PAFR
In vitro	Methylcarbamyl PAF C-16 (100 pM-1 μM) increases intracellular free calcium in a dose-dependent manner. Treatment with Methylcarbamyl PAF C-16 (10 pM-1 μM) did not affect the spontaneous proliferation of Raji lymphocytes. [1]

Solubility Information

Solubility	DMF: 10 mg/mL (18.56 mM),Sonication is recommended. Ethanol: 20 mg/mL (37.13 mM),Sonication is recommended. DMSO: 10 mg/mL (18.56 mM),Sonication is recommended. PBS (pH 7.2): 10 mg/mL (18.56 mM),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	1.8563 mL	9.2816 mL	18.5632 mL
5 mM	0.3713 mL	1.8563 mL	3.7126 mL
10 mM	0.1856 mL	0.9282 mL	1.8563 mL
50 mM	0.0371 mL	0.1856 mL	0.3713 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.

Reference

Travers JB, et al. Binding of carbamyl-platelet-activating factor to the Raji lymphoblast platelet-activating factor receptor. *Int J Immunopharmacol.* 1992 May;14(4):515-23.

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