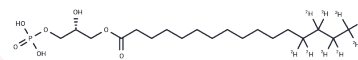


1-Palmitoyl-D9-2-hydroxy-sn-glycero-3-PA

Chemical Properties

CAS No. :	2830282-77-2
Formula:	C19H30D9O7P
Molecular Weight:	419.54
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-Palmitoyl-D9-2-hydroxy-sn-glycero-3-PA is compound, an analog of LPA with palmitic acid at the sn-1 position, activates reporter gene expression in PC12 cells fitted with human lysophosphatidic acid receptor 4 (LPA4) at 0.01 to 10 μ M concentrations. Additionally, 1-palmitoyl LPA prompts aggregation in isolated human platelets within the 12-300 μ M range, a process reversible by prostaglandin E1 (PGE1), theophylline, or EDTA. It also interacts with calcium and magnesium to boost the efficacy of ampicillin, piperacillin, and ceftazidime against P. aeruginosa strains from cystic fibrosis patients.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3836 mL	11.9178 mL	23.8356 mL
5 mM	0.4767 mL	2.3836 mL	4.7671 mL
10 mM	0.2384 mL	1.1918 mL	2.3836 mL
50 mM	0.0477 mL	0.2384 mL	0.4767 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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