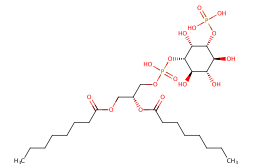


PtdIns-(3)-P1 (1,2-dioctanoyl) (sodium salt)

Chemical Properties

CAS No. :	299216-98-1
Formula:	C ₂₅ H ₄₆ Na ₂ O ₁₆ P ₂
Molecular Weight:	710.55
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	The phosphatidylinositol (PtdIns) phosphates represent a small percentage of total membrane phospholipids. However, they play a critical role in the generation and transmission of cellular signals. PtdIns-(3)-P1 (1,2-dioctanoyl) is a synthetic analog of natural PtdIns featuring C8:0 fatty acids at the sn-1 and sn-2 positions. The compound features the same inositol and DAG stereochemistry as the natural compound. PtdIns-(3)-P1 can be phosphorylated to di- (PtdIns-P2; PIP2) and triphosphates (PtdIns-P3; PIP3) by phosphatidylinositol (PI)-specific kinases.
Targets(IC50)	Others,Liposome

Solubility Information

Solubility	H ₂ O: 50 mg/mL (70.37 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	1.4074 mL	7.0368 mL	14.0736 mL
5 mM	0.2815 mL	1.4074 mL	2.8147 mL
10 mM	0.1407 mL	0.7037 mL	1.4074 mL
50 mM	0.0281 mL	0.1407 mL	0.2815 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481