

1-Oleoyl lysophosphatidic acid sodium

Chemical Properties

CAS No. : 325465-93-8

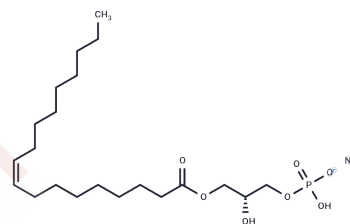
Formula: C₂₁H₄₀O₇P.Na

Molecular Weight: 458.51

Storage: Keep away from direct sunlight,Keep away from moisture,Store at low temperature,Store under nitrogen

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-Oleoyl lysophosphatidic acid sodium (1-Oleoyl lysophosphatidic acid sodium salt) salt is an Endogenous agonist of LPA1 and LPA2
Targets(IC50)	LPA Receptor,LPL Receptor

Solubility Information

Solubility	H ₂ O: 14.71 mg/mL (32.08 mM),Sonication is recommended. DMSO: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.181 mL	10.9049 mL	21.8098 mL
5 mM	0.4362 mL	2.181 mL	4.362 mL
10 mM	0.2181 mL	1.0905 mL	2.181 mL
50 mM	0.0436 mL	0.2181 mL	0.4362 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

Xu C, Zhou Y, Liu Y, et al. Specific pharmacological and Gi/o protein responses of some native GPCRs in neurons. Nature Communications. 2024, 15(1): 1990.

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481