

Sphinganine-1-phosphate (d17:0)

Chemical Properties

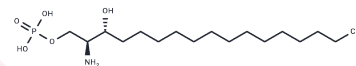
CAS No. : 474923-29-0

Formula: C₁₇H₃₈NO₅P

Molecular Weight: 367.46

Appearance:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Sphinganine-1-phosphate (d17:0) is a sphingolipid analog of sphinganine-1-phosphate (d18:0) and sphingosine-1-phosphate (d18:1) that has a 17-carbon base. Sphinganine-1-phosphate (d17:0) levels are lower in surgical and cadaver trabecular meshwork samples isolated from patients with primary open angle glaucoma compared with control samples.
Targets(IC50)	Others

Solubility Information

Solubility	0.3 M NaOH: 4 mg/mL (10.89 mM), Sonication is recommended. DMF: <50 µg/mL, Sonication is recommended. PBS (pH 7.2): <50 µg/mL, Sonication is recommended. DMSO: <50 µg/mL, 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	2.7214 mL	13.6069 mL	27.2138 mL
5 mM	0.5443 mL	2.7214 mL	5.4428 mL
10 mM	0.2721 mL	1.3607 mL	2.7214 mL
50 mM	0.0544 mL	0.2721 mL	0.5443 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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