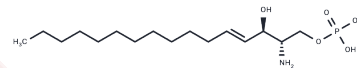


Sphingosine-1-phosphate (d16:1)

Chemical Properties

CAS No. :	709026-60-8
Formula:	C ₁₆ H ₃₄ N ₁ O ₅ P
Molecular Weight:	351.424
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	C16 Sphingosine-1-phosphate (C16 S1P) is a derivative of sphingosine-1-phosphate that binds to S1P1/EDG-1, S1P3/EDG-3, and S1P2/EDG-5 receptors with affinities of 115%, 83%, and 103%, respectively, relative to S1P in CHO cells. C16 S1P was increased in postmortem primary open angle glaucoma trabecular meshwork samples.
Targets(IC50)	Others,LPL Receptor

Solubility Information

Solubility	0.3 M NaOH: 4 mg/mL (11.38 mM),Sonication is recommended. DMSO: <50 µg/mL,Sonication is recommended. PBS (pH 7.2): <50 µg/mL,Sonication is recommended. DMF: <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	2.8456 mL	14.228 mL	28.456 mL
5 mM	0.5691 mL	2.8456 mL	5.6912 mL
10 mM	0.2846 mL	1.4228 mL	2.8456 mL
50 mM	0.0569 mL	0.2846 mL	0.5691 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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