

Product datasheet

D-erythro Sphingosine-1-phosphate, agonist of S1P receptors ab141748

[1 Image](#)

Overview

Product name	D-erythro Sphingosine-1-phosphate, agonist of S1P receptors
Description	Endogenous signaling sphingolipid and agonist of S1P receptors
Purity	> 98%
CAS Number	26993-30-6
Chemical structure	

Properties

Chemical name	[(E,2S,3R)-2-Amino-3-hydroxyoctadec-4-enyl] dihydrogen phosphate
Molecular weight	379.50
Molecular formula	C ₁₈ H ₃₈ NO ₅ P
PubChem identifier	5283560
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Sparingly soluble in 1:1 ethanol:water. Addition of small amounts of acetic acid may help dissolve this product. Soluble in warm methanol.
Handling	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>For delivery of sphingosine-1-phosphate to cells, prepare a 125µM stock in 4mg/ml BSA as follows: Dissolve sphingosine-1-phosphate (S-1-P) in methanol (0.5 mg/ml). This may require boiling (65°C), with occasional replacement of evaporated methanol. Crushing of solid prior to addition of methanol and crushing and stirring during heating is helpful. Aliquot desired amounts of methanol stock to tubes. Evaporate the solvent with a stream of nitrogen, swirling to deposit a thin film on the inside of the tube. Aliquots may be stored at -20 °C at this point or dissolved with</p>

enough 4mg/ml BSA (fatty acid free Bovine Serum Albumin in water; 37°C, 30 min. with repeated vortexing) to make 125 µM stock. Refer to SDS for further information.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

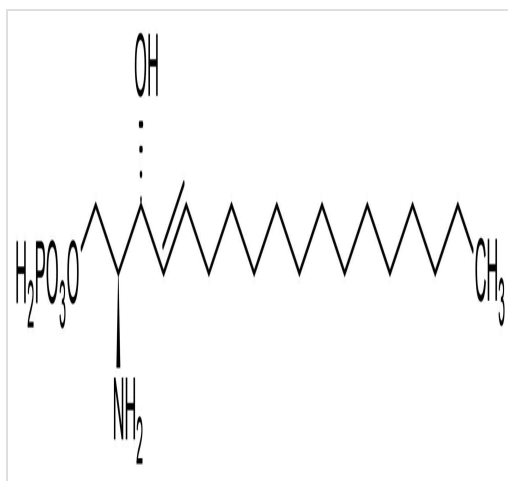
SMILES

CCCCCCCCCCCCC=CC(C(COP(=O)(O)O)N)O

Source

Synthetic

Images



2D chemical structure image of ab141748, D-erythro Sphingosine-1-phosphate, agonist of S1P receptors

Chemical Structure - D-erythro Sphingosine-1-phosphate, agonist of S1P receptors (ab141748)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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