

Biotin Sphingosine

Chemical Properties

CAS No. : 752987-57-8

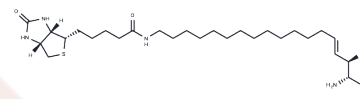
Formula: C₂₈H₅₂N₄O₄S

Molecular Weight: 540.8

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

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	Biotin Sphingosine (Biotinyl Sphingosine) is a sphingosine kinase substrate often used in conjunction with streptavidin-coated membranes to capture phosphorylation products.
Targets(IC50)	S1P Receptor

Solubility Information

Solubility	Ethanol: Soluble Methanol: 1 mg/mL (1.85 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	1.8491 mL	9.2456 mL	18.4911 mL
5 mM	0.3698 mL	1.8491 mL	3.6982 mL
10 mM	0.1849 mL	0.9246 mL	1.8491 mL
50 mM	0.037 mL	0.1849 mL	0.3698 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

Roberts JL, et al. An assay for sphingosine kinase activity using biotinylated sphingosine and streptavidin-coated membranes. Anal Biochem. 2004 Aug 1;331(1):122-9.

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