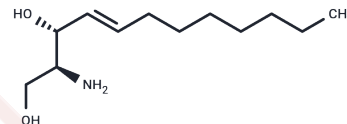


C12-Sphingosine

Chemical Properties

CAS No. :	128427-86-1
Formula:	C ₁₂ H ₂₅ NO ₂
Molecular Weight:	215.33
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	C12-Sphingosine (Sphingosine (d12:1)) is a sphingosine congener with 12 carbon atoms, inducing serine palmitoyltransferase activity in a time- and concentration-dependent manner.
Targets(IC50)	Others,Acyltransferase
In vitro	After pretreatment with C12-Sphingosine (50 μM), the Vmax values of both substrates of SPT were significantly decreased. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.644 mL	23.2202 mL	46.4403 mL
5 mM	0.9288 mL	4.644 mL	9.2881 mL
10 mM	0.4644 mL	2.322 mL	4.644 mL
50 mM	0.0929 mL	0.4644 mL	0.9288 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

Mandon EC, et al. Sphingolipid biosynthesis in cultured neurons. Down-regulation of serine palmitoyltransferase by sphingoid bases. Eur J Biochem. 1991 Jun 15;198(3):667-74.

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