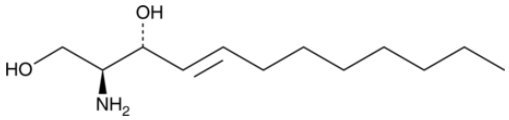
Product Data Sheet

Product Name: Sphingosine (d12:1)
Cat. No.: GC44929

Chemical Properties

Cas. No.	128427-86-1		
SMILES	OC[C@H](N)[C@H](O)/C=C/CCCCCCC		
Formula	C12H25NO2	M.Wt	215.3
Solubility	DMF: 10 mg/mL,DMSO: 2 mg/ml,Ethanol: miscible	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			

Background

Sphingosine (d12:1) is a short-chain sphingolipid. It decreases serine palmitoyltransferase activity in primary cultured mouse cerebellar cells in a concentration-dependent manner. Sphingosine (d12:1) (0.5-50 μM) decreases production of sphingosine (d18:1) , lactosylceramide , galactosylceramide , and a variety of gangliosides in mouse cerebellar granule cells.

Caution: Product has not been fully validated for medical applications. For research use only.
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