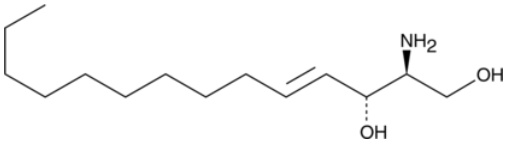
Product Data Sheet

Product Name: Sphingosine (d14:1)
Cat. No.: GC44930

Chemical Properties

Cas. No.	24558-60-9		
SMILES	OC[C@H](N)[C@H](O)/C=C/CCCCCCCC		
Formula	C14H29NO2	M.Wt	243.4
Solubility	Chloroform: Soluble,DMSO: Soluble,Ethanol: Soluble,Methanol: Soluble	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 (d14:1) is a bioactive sphingolipid that has been found in B. mori (silkworm), P. clarkii (crayfish), and A. aurita (jellyfish) extracts. It increases the germination rate of N. rileyi, an entomopathogenic fungus, with an EC50 value of 10.2 nM. Sphingosine (d14:1) inhibits protein kinase C (PKC) in vitro (IC50 = 7.3 mol%) as well as superoxide generation induced by phorbol 12-myristate 13-acetate in neutrophils and reduces growth of CHO cells (IC50s = 19 and 8 μM, respectively).

Caution: Product has not been fully validated for medical applications. For research use only.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA