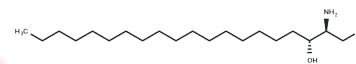


Sphinganine (d20:0)

Chemical Properties

CAS No. :	24006-62-0
Formula:	C ₂₀ H ₄₃ NO ₂
Molecular Weight:	329.56
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	Sphinganine (d20:0) is a natural isomer of dihydro-D-erythro-sphinganine (sphinganine (d18:0)); that is a precursor of ceramide and sphingosine as well as a substrate for sphingosine kinases, which generate sphingosine-1-phosphate (d18:1). In <i>S. cerevisiae</i> , the amount of sphinganine (d20:0) increases 10.8-fold in response to heat stress, indicating it is involved in heat stress adaptation. Sphinganine levels increase significantly in response to certain mycotoxins, including fumonisins as well as in some cancers. Sphinganine can block protein kinase C activation in some cases but not others.
Targets(IC50)	Others

Solubility Information

Solubility	Chloroform:Methanol (5:1): Soluble Ethanol: Soluble, Heating 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	3.0343 mL	15.1717 mL	30.3435 mL
5 mM	0.6069 mL	3.0343 mL	6.0687 mL
10 mM	0.3034 mL	1.5172 mL	3.0343 mL
50 mM	0.0607 mL	0.3034 mL	0.6069 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481