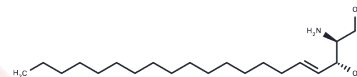


## Sphingosine (d20:1)

## Chemical Properties

CAS No. :	6918-49-6
Formula:	C <sub>20</sub> H <sub>41</sub> NO <sub>2</sub>
Molecular Weight:	327.55
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	Sphingosines are long-chain base precursors of cellular sphingolipids used directly in the synthesis of ceramide, which in combination with sialic acid forms ganglioside. Sphingosine can exist in four stereoisomers, however only sphingosine occurs naturally. Compared to other sphingolipids throughout the body, which are predominantly composed of C-18 sphingosine, only central nervous system (CNS) gangliosides contain significant amounts of sphingosine. The concentration of sphingosine within mammalian brain gangliosides apparently increases with developmental maturation. Furthermore, the ratio of C-18 to C-20 sphingosine in the brain is thought to be related to some nervous system degeneration processes.
Targets(IC50)	Others

## Solubility Information

Solubility	Ethanol: Miscible DMSO: 2.00 mg/mL (6.11 mM),Sonication is recommended. DMF: 10.00 mg/mL (30.53 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	3.053 mL	15.2648 mL	30.5297 mL
5 mM	0.6106 mL	3.053 mL	6.1059 mL
10 mM	0.3053 mL	1.5265 mL	3.053 mL
50 mM	0.0611 mL	0.3053 mL	0.6106 mL

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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.

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