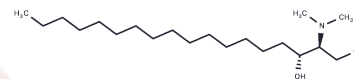


## N,N-dimethyl Sphinganine (d18:0)

## Chemical Properties

CAS No. :	17267-46-8
Formula:	C <sub>20</sub> H <sub>43</sub> NO <sub>2</sub>
Molecular Weight:	329.569
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	N,N-dimethyl Sphinganine (d18:0) is a sphingolipid that increases during development of <i>L. donovani</i> promastigotes. <sup>1</sup>
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 2 mg/mL (6.07 mM), Sonication is recommended. Ethanol: Miscible DMF: 10 mg/mL (30.34 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
------------	--

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0343 mL	15.1713 mL	30.3426 mL
5 mM	0.6069 mL	3.0343 mL	6.0685 mL
10 mM	0.3034 mL	1.5171 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.

## Reference

Silva, A.M., Cordeiro-da-Silva, A., and Coombs, G.H. Metabolic variation during development in culture of *Leishmania donovani* promastigotes. *PLoS Negl. Trop. Dis.* 5(12):e1451 (2011)

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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