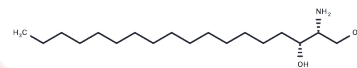


## D-threo Sphinganine (d18:0)

## Chemical Properties

CAS No. :	6036-86-8
Formula:	C18H39NO2
Molecular Weight:	301.51
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	D-threo Sphinganine (d18:0) is a synthetic bioactive sphingolipid and stereoisomer of sphinganine (d18:0) and L-erythro sphinganine (d18:0) . It induces autophagy in HCT116 cells when used at a concentration of 12 $\mu$ M. D-threo Sphinganine (d18:0) is metabolized via sphinganine N-acyltransferase and sphinganine kinase in vivo in rat liver.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: Soluble Methanol: Soluble Chloroform: Soluble Ethanol: Soluble ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3166 mL	16.5832 mL	33.1664 mL
5 mM	0.6633 mL	3.3166 mL	6.6333 mL
10 mM	0.3317 mL	1.6583 mL	3.3166 mL
50 mM	0.0663 mL	0.3317 mL	0.6633 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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