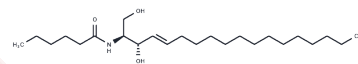


## C6 L-threo Ceramide (d18:1/6:0)

## Chemical Properties

CAS No. :	189894-80-2
Formula:	C24H47NO3
Molecular Weight:	397.63
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	C6 L-threo Ceramide is a bioactive sphingolipid and cell-permeable analog of naturally occurring ceramides. It is cytotoxic to U937 cells in vitro (IC50 = 18 µM), metabolically inactive, and unlike C6 L-erythro ceramide, it cannot be converted to C6 glucosylceramide by ceramide glucosyltransferase. C6 L-threo Ceramide enhances IL-4 production induced by phorbol 12-myristate 13-acetate in EL4 T cells at 10 µM.
Targets(IC50)	Others, Interleukin

## Solubility Information

Solubility	Ethanol: Soluble DMSO: Soluble Chloroform: Soluble DMF: 5 mg/mL (12.57 mM), Sonication 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	2.5149 mL	12.5745 mL	25.149 mL
5 mM	0.503 mL	2.5149 mL	5.0298 mL
10 mM	0.2515 mL	1.2575 mL	2.5149 mL
50 mM	0.0503 mL	0.2515 mL	0.503 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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