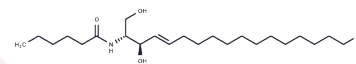


## C6 D-threo Ceramide (d18:1/6:0)

## Chemical Properties

|                   |                                                                                                                     |
|-------------------|---------------------------------------------------------------------------------------------------------------------|
| CAS No. :         | 189894-79-9                                                                                                         |
| Formula:          | C24H47NO3                                                                                                           |
| Molecular Weight: | 397.63                                                                                                              |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |



## Biological Description

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description   | C6 D-threo Ceramide is a bioactive sphingolipid and cell-permeable analog of naturally occurring ceramides., C6 D-threo Ceramide is cytotoxic to U937 cells in vitro (IC50 = 18 $\mu$ M). It is metabolically inactive and, unlike C6 L-erythro ceramide , C6 D-threo ceramide cannot be converted to C6 glucosylceramide by ceramide glucosyltransferase. C6 D-threo Ceramide promotes survival of isolated rat spinal neurons when used at concentrations up to 2.5 $\mu$ M but induces cell death at concentrations greater than 5 $\mu$ M. It enhances IL-4 production induced by phorbol 12-myristate 13-acetate in EL4 T cells when used at a concentration of 10 $\mu$ M. |
| Targets(IC50) | Others,Interleukin,Liposome                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## Solubility Information

|            |                                                                                  |
|------------|----------------------------------------------------------------------------------|
| Solubility | DMSO: Soluble<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|----------------------------------------------------------------------------------|

## 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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