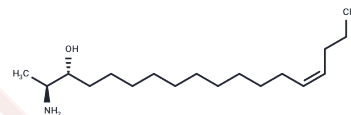


## 1-Deoxysphingosine (m18:1(14Z))

## Chemical Properties

CAS No. :	2190487-94-4
Formula:	C <sub>18</sub> H <sub>37</sub> NO
Molecular Weight:	283.5
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	1-Deoxysphingosine (m18:1(14Z)) is an unconventional sphingolipid featuring a (14Z) double bond at the n-4 position, synthesized when serine palmitoyltransferase combines palmitoyl-CoA with alanine, not serine, during sphingolipid production. Unlike typical sphingolipids, it lacks the essential C1-hydroxyl group for standard degradation but undergoes metabolism by cytochrome P450 (CYP) subfamilies CYP4A and CYP4F in MEF cells.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5273 mL	17.6367 mL	35.2734 mL
5 mM	0.7055 mL	3.5273 mL	7.0547 mL
10 mM	0.3527 mL	1.7637 mL	3.5273 mL
50 mM	0.0705 mL	0.3527 mL	0.7055 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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Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481