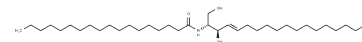


C18 D-threo Ceramide (d18:1/18:0)

Chemical Properties

CAS No. :	252039-53-5
Formula:	C36H71NO3
Molecular Weight:	565.95
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	C18 D-threoCeramide (d18:1/18:0) is a synthetic ceramide and stereoisomer of C18 ceramide .It inhibits rat brain mitochondrial ceramidase (mt-CDase) with an IC50value of 16.6 μM.2
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7669 mL	8.8347 mL	17.6694 mL
5 mM	0.3534 mL	1.7669 mL	3.5339 mL
10 mM	0.1767 mL	0.8835 mL	1.7669 mL
50 mM	0.0353 mL	0.1767 mL	0.3534 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

- Koolath, S., Murai, Y., Suga, Y., et al.Chiral combinatorial preparation and biological evaluation of unique ceramides for inhibition of sphingomyelin synthaseChirality32(3)308-313(2019)
- Usta, J., El Bawab, S., Roddy, P., et al.Structural requirements of ceramide and sphingosine based inhibitors of mitochondrial ceramidaseBiochemistry40(32)9657-9668(2001)

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