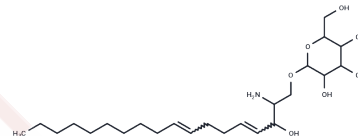


1-β-D-Glucosylsphingadienine (d18:2 (4E,8E))

Chemical Properties

CAS No. :	114200-59-8
Formula:	C ₂₄ H ₄₅ NO ₇
Molecular Weight:	459.624
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-β-D-Glucosylsphingadienine is a glucosylsphingosine, which are deacetylated lysolipid derivatives of glucosylcerebrosides . They are formed when sphingosines undergo glucosidation by UDP-glucose. Glucosylsphingosines completely reduce neurite outgrowth and induce death of LA-N-2 cells at concentrations of 10 and 50 μM, respectively. They also decrease the activity of glucocerebrosidase in LA-N-2 cells in a dose-dependent manner. Glucosylsphingosine levels are elevated in patients with Gaucher's disease, both in the spleen (in types 1, 2, and 3) and brain (type 2 and 3); thus, glucosylsphingosine has been used as a key biomarker of the disease. This product contains 1-β-D-glucosylsphingadienine isolated from plants.
Targets(IC50)	Others,Drug Metabolite

Solubility Information

Solubility	Chloroform:Methanol (4:1): Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1757 mL	10.8786 mL	21.7571 mL
5 mM	0.4351 mL	2.1757 mL	4.3514 mL
10 mM	0.2176 mL	1.0879 mL	2.1757 mL
50 mM	0.0435 mL	0.2176 mL	0.4351 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

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