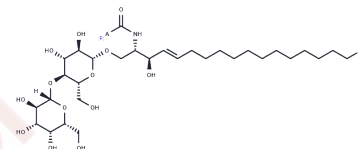


Lactosylceramides (bovine buttermilk)

Chemical Properties

CAS No. :	4682-48-8
Formula:	C ₅₃ H ₁₀₁ N ₁ O ₁₃ (for tricosanoyl)
Molecular Weight:	960.4
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Lactosylceramides (bovine buttermilk) (LacCer (bovine buttermilk)) are ceramides isolated from bovine buttermilk that inhibit cell proliferation and are used to study tumors and liver lesions.
Targets(IC50)	Reactive Oxygen Species, ROS

Solubility Information

Solubility	Chloroform:Methanol:H ₂ O (5:1:0.1): Soluble Chloroform:Methanol:Water (5:1:0.1): soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0412 mL	5.2062 mL	10.4123 mL
5 mM	0.2082 mL	1.0412 mL	2.0825 mL
10 mM	0.1041 mL	0.5206 mL	1.0412 mL
50 mM	0.0208 mL	0.1041 mL	0.2082 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

- Peters L, et al. Sphingolipids in Atherosclerosis: Chimeras in Structure and Function. *Int J Mol Sci.* 2022 Oct 8;23 (19):11948.
- Iwabuchi K, et al. Role of Ceramide from Glycosphingolipids and Its Metabolites in Immunological and Inflammatory Responses in Humans. *Mediators Inflamm.* 2015;2015:120748.

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