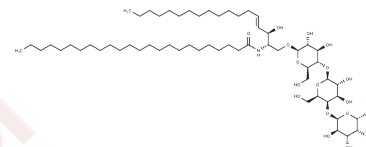


Globotriaosylceramides (porcine)

Chemical Properties

CAS No. : 71965-57-6
 Formula: C60H113NO18
 Molecular Weight: 1136.553
 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	<p>Globotriaosylceramides are glycosphingolipids found in mammalian cell membranes that are synthesized from lactosylceramides. They act as receptors for Shiga and Shiga-like toxins in vitro and in vivo. Globotriaosylceramides accumulate in endothelial cells, pericytes, vascular smooth muscle cells, renal epithelial cells, dorsal ganglia neuronal cells, and myocardial cells in patients with Fabry disease, a lysosomal storage disorder characterized by a deficiency in the enzyme α-galactosidase A. Globotriaosylceramides act as natural resistance factors to HIV infection, interacting with HIV gp120 to prevent its interaction with chemokine co-receptors and subsequent fusion of HIV to host cell membranes. This product contains a mixture of hydroxy and non-hydroxy fatty acid-containing globotriaosylceramides isolated from porcine red blood cells (RBCs).</p>
Targets(IC50)	Others,HIV Protease

Solubility Information

Solubility	<p>Methanol: Soluble,Heating is recommended. DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)</p>
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8799 mL	4.3993 mL	8.7986 mL
5 mM	0.176 mL	0.8799 mL	1.7597 mL
10 mM	0.088 mL	0.4399 mL	0.8799 mL
50 mM	0.0176 mL	0.088 mL	0.176 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

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