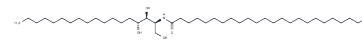


C24 Phytosphingosine (t18:0/24:0)

Chemical Properties

CAS No. :	34437-74-6
Formula:	C42H85NO4
Molecular Weight:	668.13
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	C24 Phytosphingosine (t18:0/24:0) is a phytoceramide, which is a family of sphingolipids found in the intestine, kidney, and extracellular spaces of the stratum corneum of the mammalian epidermis. C24 Phytosphingosine (t18:0/24:0) is composed of a phytosphingosine backbone amine-linked to a C24 fatty acid chain. It has been used with other ceramides to create stratum corneum substitutes to study percutaneous penetration and psoriasis in vitro. In a stratum corneum model of healthy skin, the incorporation of long-chain-containing phytoceramides, such as C24 phytosphingosine (t18:0/24:0), increases permeability of the membrane in comparison with incorporation of dihydroceramides.
Targets(IC50)	Others

Solubility Information

Solubility	Chloroform:Methanol (5:1): Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4967 mL	7.4836 mL	14.9671 mL
5 mM	0.2993 mL	1.4967 mL	2.9934 mL
10 mM	0.1497 mL	0.7484 mL	1.4967 mL
50 mM	0.0299 mL	0.1497 mL	0.2993 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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