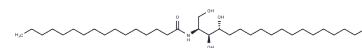


C16 Phytoceramide (t18:0/16:0)

Chemical Properties

CAS No. :	111149-09-8
Formula:	C34H69NO4
Molecular Weight:	555.929
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	C16 Phytoceramide (t18:0/16:0) 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. C16 Phytoceramide (t18:0/16:0) is composed of a phytosphingosine backbone amine-linked to a C16 fatty acid chain. The levels of C16 phytoceramide (t18:0/16:0) increase following heat stress in <i>S. cerevisiae</i> . It has been used with other ceramides to create stratum corneum substitutes to study percutaneous penetration and psoriasis in vitro.
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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	1.7988 mL	8.9939 mL	17.9879 mL
5 mM	0.3598 mL	1.7988 mL	3.5976 mL
10 mM	0.1799 mL	0.8994 mL	1.7988 mL
50 mM	0.036 mL	0.1799 mL	0.3598 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.

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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