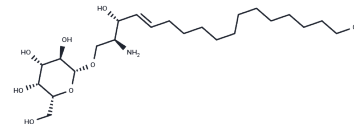


Psychosine

Chemical Properties

CAS No. :	2238-90-6
Formula:	C ₂₄ H ₄₇ N ₃ O ₇
Molecular Weight:	461.63
Appearance:	no data available
Storage:	store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Psychosine (Galactosylsphingosine) is a PKC inhibitor, a substrate for the enzyme galactosylceramide cerebrosidase (GALC), and a potential biomarker of Krabbe's disease. Psychosine is highly cytotoxic and induces cell death in a variety of cells.
Targets(IC50)	PKC
In vitro	In the Oligodendrocyte cell line, M03.13, Psychosine (10, 20, and 40 μM; 24 hours) can induce cell death at least in part via apoptosis[2].

Solubility Information

Solubility	Ethanol: 1 mg/mL (2.17 mM), Sonication is recommended. DMSO: 1 mg/mL (2.17 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1662 mL	10.8312 mL	21.6624 mL
5 mM	0.4332 mL	2.1662 mL	4.3325 mL
10 mM	0.2166 mL	1.0831 mL	2.1662 mL
50 mM	0.0433 mL	0.2166 mL	0.4332 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.

Reference

M L Escolar, et al. Psychosine, a marker of Krabbe phenotype and treatment effect. Mol Genet Metab. 2017 Jul;121 (3):271-278.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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