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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Dihydroceramide

Autophagy inducer
Catalog No. SIH-398



Discovery through partnership | Excellence through quality

Overview

Product Name

Dihydroceramide

Description

Autophagy inducer

Purity

>98%

CAS No.

13031-64-6

Molecular Formula

C11H18NO1

Molecular Weight

343.54

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inducer

Solubility

Soluble in ethanol (5 mg/ml) or DMSO (5 mg/ml: dissolve in hot DMSO, then cool to RT).

Source

Synthetic

Appearance

White solid.

SMILES

[C@@H](NC(=O)C)[C@H](O)CCCCCCCCCCCCCO

InChI

InChI=1S/C20H41NO3/c1-3-4-5-6-7-8-9-10-11-12-13-14-15-16-20(24)19(17-22)21-18(2)23/h19-20,22,24H,3-17H2,1-2H3,(H,21,23)/t19-,20

+/m0/s1

InChIKey

CRJGESKQUOMBCT-VQTJNVASSA-N

Safety Phrases

Classification: Not WHMIS controlled.

Safety Phrases:

S22 - Do not breathe dust.

S24/25 - Avoid contact with skin and eyes.

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

Cite This Product

Dihydroceramide (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-398)

Biological Description

Alternative Names

C2 Dihydroceramide, D-erythro-N-Acetylsphinganine

Research Areas

Cancer, Autophagy

PubChem ID

6610273

Scientific Background

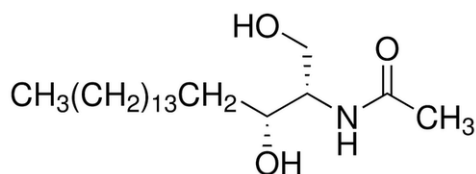
Both in yeast and mammalian systems, dihydroceramide is the reaction intermediate found immediately prior to the final reaction product in the de novo synthesis of ceramide lipids. Recent studies have revealed that an accumulation of dihydroceramide will induce autophagy. Accumulation of dihydroceramide occurs due to inhibition of dihydroceramide desaturase, the enzyme responsible for the conversion of dihydroceramide into ceramide.

References

1. Gagliostro, V. et al. (2012). *Int J Biochem Cell Biol*, 44(12): 2135-43.
2. Jiang, Q. et al. (2012). *Int J Cancer*, 130(3): 685-93.
3. Signorelli, P. et al. (2009). *Cancer Lett*, 282(2): 238-43.

Product Images

Chemical structure of Dihydroceramide (SIH-398), a Autophagy inducer. CAS #: 13031-64-6. Molecular Formula: C₂₀H₄₁NO₃ . Molecular Weight: 343.54 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.