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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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N,N-Dimethylsphingosine

Kinase inhibitor
Catalog No. SIH-235



Discovery through partnership | Excellence through quality

Overview

Product Name

N,N-Dimethylsphingosine

Description

Kinase inhibitor

Purity

>98%

CAS No.

119567-63-4

Molecular Formula

C₁₇H₃₃N₂O

Molecular Weight

327.6

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inducer

Solubility

Soluble in DMSO (25 mg/ml) or 100% ethanol (25 mg/ml)

Source

Synthetic

Appearance

White to off-white waxy solid, or viscous oil

SMILES

CCCCCCCCCCCC/C=C/[C@H]([C@H](CO)N(C)C)O

InChI

InChI=1S/C20H37NO4/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-20(25)19(16-22)21(17-23)18-24/h14-15,17-20,22,25H,2-13,16H2,

InChIKey

XPDYLGZWYWKOFM-PPQGUHKJSA-N

Safety Phrases

Classification: Harmful. May be harmful if inhaled, swallowed or absorbed through skin.

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

Risk Phrases:

R20/21/22- Harmful by inhalation, in contact with skin and if swallowed

Cite This Product

N,N-Dimethylsphingosine (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-235)

Biological Description

Alternative Names

(2S,3R,4E)-2-(Dimethylamino)-4-octadecene-1,3-diol

Research Areas

Cancer, Apoptosis, Cancer Growth Inhibitors, Tyrosine Kinase Inhibitors

PubChem ID

6438166

Scientific Background

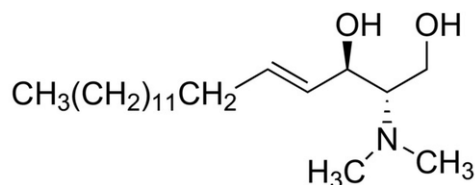
N,N-dimethylsphingosine is a potent and specific inhibitor of sphingosine kinase. It is a natural metabolite of sphingosine in some cancer cell lines and tissues (1). It also induces apoptosis, but it is not an inhibitor of protein kinase C (2).

References

1. Yatomi Y., et al. (1996) Biochem. 35: 626-633.
2. Sweeny E.A., et al. (1996) Int J Cancer. 66(3): 358-366.

Product Images

Chemical structure of N,N-Dimethylsphingosine (SIH-235), a Inhibits sphingosine kinase. CAS #: 119567-63-4. Molecular Formula: C₂₀H₄₁NO₂. Molecular Weight: 327.6 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.