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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Myriocin (ISP-1)

Palmitoyltransferase inhibitor
Catalog No. SIH-233



Discovery through partnership | Excellence through quality

Overview

Product Name

Myriocin (ISP-1)

Description

Palmitoyltransferase inhibitor

Purity

>98%

CAS No.

35891-70-4

Molecular Formula

C₁₈H₃₀N₂O₂

Molecular Weight

401.54

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble in 2 mg/ml of methanol, DMSO (25 mg/ml; heat briefly in boiling water bath) or in dilute base (5 mg/ml; 50 mM NaOH)

Source

Synthetic

Appearance

Off-White Solid

SMILES

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

InChI

InChI=1S/C21H39NO6/c1-2-3-4-10-13-17(24)14-11-8-6-5-7-9-12-15-18(25)19(26)21(22,16-23)20(27)28/h9,12,18-19,23,25-26H,2-8,10-11,13-16,22H2,1H3,(H,27,28)/b12-9+/t18-,19+,21+/m1/s1

InChIKey

ZZIKIHCFWVKDY-GNTQXERDSA-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

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

Risk Phrases:

R22- Harmful if swallowed

Hazard Phrases:

H301

Precautionary Phrases:

P301 + P310

Cite This Product

Myriocin (ISP-1) (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-233)

Biological Description

Alternative Names

(2S,3R,4R,6E)-2-Amino-3,4-dihydroxy-2-(hydroxymethyl)-14-oxo-6-icosenoic acid

Research Areas

Cancer, Apoptosis

PubChem ID

6438394

Scientific Background

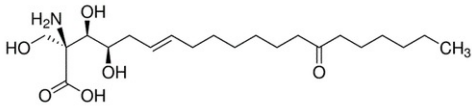
Myriocin, or ISP-1, is an atypical amino acid and an antibiotic. It is a very potent inhibitor of serine palmitoyltransferase, the first step in sphingosine biosynthesis (1). It was shown to inhibit the proliferation of an IL-2-dependent mouse cytotoxic T cell line. It also possesses immunosuppressant activity (2).

References

1. Hidari K.I.P.J., et al. (1996) J Biol Chem. 271: 14636-14641.
2. Miyake Y., Kozutsumi Y., Nakamura S., Fujita T. and Kawasaki T. (1995) Biochem Biophys Res Commun. 211(2): 396-403.

Product Images

Chemical structure of Myriocin (ISP-1) (SIH-233), a Blocks sphingolipid biosynthesis.
CAS #: 35891-70-4. Molecular Formula: C₂₁H₃₉NO₆. Molecular Weight: 401.54 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.