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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Cyclopamine

Hedgehog signaling blocker
Catalog No. SIH-226



Discovery through partnership | Excellence through quality

Overview

Product Name

Cyclopamine

Description

Hedgehog signaling blocker

Purity

>98%

CAS No.

4449-51-8

Molecular Formula

C₁₁H₁₁NO

Molecular Weight

434.15

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble to 5 mM in ethanol

Source

Synthetic

Appearance

White Solid

SMILES

C[C@H]1C[C@@H]2[C@H]([C@H]([C@]3(O2)CC[C@H]4[C@@H]5CC=C6C[C@H](CC[C@@]6([C@H]5CC4=C3C)O)C)NC1

InChI

InChI=1S/C27H41NO2/c1-15-11-24-25(28-14-15)17(3)27(30-24)10-8-20-21-6-5-18-12-19(29)7-9-26(18,4)23(21)13-22(20)16(27)2/h5,15,17

InChIKey

QASFUMOKHFSJGL-LAFRSMQTSA-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:

R62- Possible risk of impaired fertility

Cite This Product

Cyclopamine (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-226)

Biological Description

Alternative Names

(3?,22S,23R)-17,23-Epoxyveratraman-3-ol

Research Areas

Cancer, Apoptosis, Cancer Growth Inhibitors, Hedgehog Pathway Blocker

PubChem ID

442972

Scientific Background

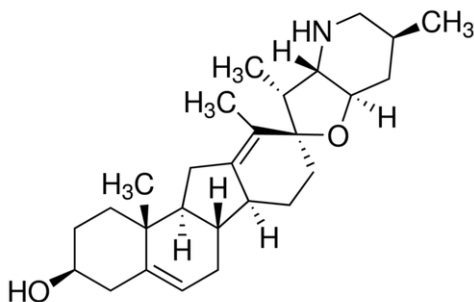
Cyclopamine is a hedgehog signaling pathway inhibitor that influences the balance between the active and inactive forms of the Smoothed protein (1). It is being investigated as a treatment agent in basal cell carcinoma, medulloblastoma and rhabdomyosarcoma (1, 2).

References

1. Beachy P.A., et al. (2000) Nature. 406(6799): 1005-1009.
 2. Yauch R.L., et al. (2009) Science. 326(5952): 572-574.
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Product Images

Chemical structure of Cyclopamine (SIH-226), a Inhibits hedgehog signaling. CAS #: 4449-51-8. Molecular Formula: C₂₇H₄₁NO₂. Molecular Weight: 434.15 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.