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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Vinblastine Sulfate

Cell cycle blocker
Catalog No. SIH-407



Discovery through partnership | Excellence through quality

Overview

Product Name

Vinblastine sulfate

Description

Cell cycle blocker

Purity

>98%

CAS No.

143-67-9

Molecular Formula

C₁₁H₁₁N₁O₁H₁S₁O₁

Molecular Weight

909.1

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble in DMSO, methanol or water (25 mg/ml).

Source

Synthetic

Appearance

White powder.

SMILES

[C@@]178[C@@H](N(C2=C1C=C(C(=C2)OC)[C@@]5(C3=C(C4=C([NH]3)C=CC=C4)CCN6C[C@@H](C5)C[C@](O)(C6)CC)(OC)=O)C)[C@](O)([C@H](OC

InChI

InChI=1S/C46H58N4O9.H2O4S/c1-8-42(54)23-28-24-45(40(52)57-6,36-30(15-19-49(25-28)26-42)29-13-10-11-14-33(29)47-36)32-21-31-34(22-35(32)56-5)48(4)38-44(31)17-20-50-18-12-16-43(9-2,37(44)50)39(59-27(3)

InChIKey

KDQAABAKXDWYSZ-PNYVAJAMSA-N

Safety Phrases

Classification: D1B- Toxic Material Causing Immediate and Serious Toxic Effects, Toxic by ingestion, D2B- Toxic Material Causing Other Toxic Effects, Moderate skin irritant, Moderate eye irritant, Mutagen

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.

Hazard statements:

H302- Harmful if swallowed.

H315- Causes skin irritation.

H318- Causes serious eye damage.

H335- May cause respiratory irritation.

Precautionary statements:

P261- Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P280- Wear protective gloves/ eye protection/ face protection.

P305 + P351 + P338- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Cite This Product

Vinblastine sulfate (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-407)

Biological Description

Alternative Names

Vincal leukoblastine

Research Areas

Cancer, Autophagy

PubChem ID

5388983

Scientific Background

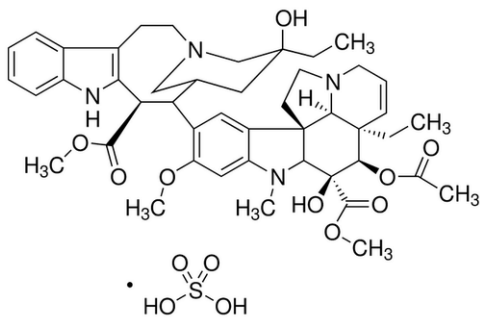
Vinblastine sulfate is used clinically as a cancer chemotherapeutic agent. It disrupts normal microtubule assembly. Vinblastine also inhibits autophagy by obstructing autophagosome maturation and by stopping the fusion event of autophagosomes with lysosomes.

References

1. Veldhoen R.A., et al. (2013) Oncogene. 32(6): 736-46.
2. Adisheshaiah P.P., et al. (2013) Cancer Lett. 337(2): 254-65.

Product Images

Chemical structure of Vinblastine sulfate (SIH-407), a Microtubule assembly inhibitor. CAS #: 143-67-9. Molecular Formula: C₄₆H₅₈N₄O₉ · H₂SO₄. Molecular Weight: 909.1 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.