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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Lestaurtinib

FLT3, TrkA kinase inhibitor
Catalog No. SIH-460



Discovery through partnership | Excellence through quality

Overview

Product Name

Lestaurtinib

Description

FLT3, TrkA kinase inhibitor

Purity

>98% (HPLC)

CAS No.

111358-88-4

Molecular Formula

C₁₁H₁₁N₁O₁

Molecular Weight

439.5

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble to 100 mM in DMSO and to 25 mM in ethanol

Source

Synthetic

Appearance

White powder

SMILES

[C@@]67([N]2C1=C5C(=C4C(=C1C3=C2C=CC=C3)CNC4=O)C8=C([N]5[C@H](O6)C[C@]7(O)CO)C=CC=C8)C

InChI

InChI=1S/C₂₆H₂₁N₃O₄/c1-25-26(32,12-30)10-18(33-25)28-16-8-4-2-6-13(16)20-21-15(11-27-24(21)31)19-14-7-3-5-9-17(14)29(25)23(19)

InChIKey

UIARLYUEJFELEN-LROUJFHJSA-N

Safety Phrases

Classification:

Not a hazardous substance or mixture.

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

Lestaurtinib (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-460)

Biological Description

Alternative Names

KT5555, CEP-701, (9S,10S,12R)-2,3,9,10,11,12-Hexahydro-10-hydroxy-10-(hydroxymethyl)-9-methyl-9,12-epoxy-1H-diindolo[1,2,3-fg:3',2',1'-kl]pyrrolo[3,4-i][1,6]benzodiazocin-1-one

Research Areas

Cancer, Apoptosis, Cancer Growth Inhibitors, Cell Signaling, Tyrosine Kinase Inhibitors

PubChem ID

126565

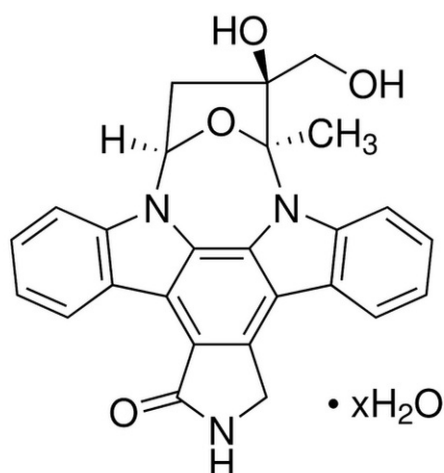
Scientific Background

Lestaurtinib is potent JAK2, FLT3 and TrkA receptor tyrosine kinase inhibitor. Specifically, it prevents STAT5 phosphorylation. Lestaurtinib exhibits antiproliferative activity in vitro.

References

1. Weisel K.C., et al. (2007) Ann. NY Acad. Sci. 1106: 190196.
2. Hexner E.O., et al. (2008) Blood. 111(12): 56635671.

Product Images



Chemical structure of Lestaurtinib (SIH-460), a FLT3/ TrkA kinase inhibitor. CAS #: 111358-88-4. Molecular Formula: C₂₆H₂₁N₃O₄. Molecular Weight: 439.5 g/mol.

Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.