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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Nilotinib

BCR-ABL kinase inhibitor
Catalog No. SIH-463



Discovery through partnership | Excellence through quality

Overview

Product Name

Nilotinib

Description

BCR-ABL kinase inhibitor

Purity

>99%

CAS No.

641571-10-0

Molecular Formula

C₁₇H₁₄F₂N₄O

Molecular Weight

529.5

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble in DMSO (50 mg/ml), chloroform, DMF (~3 mg/ml), water(very poorly soluble, maximum solubility in plain water is estimated to be about 10-20 µM; buffers, serum, or other additives may increase or decrease the aqueous solubility), and ethanol(very poorly soluble)

Source

Synthetic

Appearance

Crystalline powder

SMILES

C5=C([N]1C=C(N=C1)C)C=C(NC(=O)C2=CC(=C(C=C2)C)NC3=NC(=CC=N3)C4=CN=CC=C4)C=C5C(F)(F)F

InChI

InChI=1S/C28H22F3N7O/c1-17-5-6-19(10-25(17)37-27-33-9-7-24(36-27)20-4-3-8-32-14-20)26(39)35-22-11-21(28(29,30)31)12-23(13-22)38-15-18(2)34-16-38/h3-16H,1-2H3,(H,35,39)(H,33,36,37)

InChIKey

HHZIURLSWUIHRB-UHFFFAOYSA-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

Nilotinib (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-463)

Biological Description

Alternative Names

4-methyl-N-[3-(4-methylimidazol-1-yl)-5-(trifluoromethyl)phenyl]-3-[(4-pyridin-3-ylpyrimidin-2-yl)amino]benzamide

Research Areas

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

PubChem ID

644241

Scientific Background

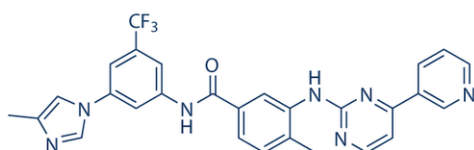
Nilotinib is a potent and selective Bcr/Abl tyrosine kinase inhibitor, as well as, an inhibitor of JAK2/STAT5, and MDM2 at the post-translational level. Nilotinib shows antiproliferative and antitumor effects in vivo.

References

1. Gallipoli P., et al. (2014) Blood.
2. Zhang H., Gu L., Liu T., Chiang K.Y., & Zhou M. (2014) PloS One. 9(6): e100960.

Product Images

Chemical structure of Nilotinib (SIH-463), a BCR-ABL kinase inhibitor. CAS #: 641571-10-0. Molecular Formula: C₂₈H₂₂F₃N₇O. Molecular Weight: 529.5 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.