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Produktinformation



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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Dasatinib

Kinase inhibitor
Catalog No. SIH-440



Discovery through partnership | Excellence through quality

Overview

Product Name

Dasatinib

Description

Kinase inhibitor

Purity

>98%

CAS No.

302962-49-8

Molecular Formula

C₁₈H₁₅ClN₅O₂S

Molecular Weight

488

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble in DMSO (200 mg/ml), ethanol (very poorly), and water (very poorly)

Source

Synthetic

Appearance

Crystalline solid

SMILES

C1=C(SC(=N1)NC2=CC(=NC(=N2)C)N3CCN(CC3)CCO)C(=O)NC4=C(C=CC=C4Cl)C

InChI

InChI=1S/C22H26ClN7O2S/c1-14-4-3-5-16(23)20(14)28-21(32)17-13-24-22(33-17)27-18-12-19(26-15(2)25-18)30-8-6-29(7-9-30)10-11-31/

h3-5,12-13,31H,6-11H2,1-2H3,(H,28,32)(H,24,25,26,27)

InChIKey

ZBNZXTGUTAYRHI-UHFFFAOYSA-N

Safety Phrases

Classification:

Acute Toxicity: Oral, Category 3

Toxic To Reproduction, Category 1B

Target Organ Systemic Toxicity (single exposure), Category 2

Target Organ Systemic Toxicity (repeated exposure), Category 2

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:

H301: Toxic if swallowed.

H360: May damage fertility or the unborn child.

H370: Causes damage to organs {uterus, testicles, ovaries}.

H373: May cause damage to {uterus, testicles, ovaries} through prolonged or repeated exposure.

Precautionary statements:

P264: Wash {hands} thoroughly after handling.

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P281: Use personal protective equipment as required.

P260: Do not breathe {dust/fume/gas/mist/vapours/spray}.

P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P330: Rinse mouth.

P308+313: IF exposed or concerned: Get medical attention/advise.

P312: Call a {POISON CENTER/doctor/...} if you feel unwell.

P314: Get medical attention/advise if you feel unwell.

Cite This Product

Dasatinib (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-440)

Biological Description

Alternative Names

N-(2-chloro-6-methylphenyl)-2-[[6-[4-(2-hydroxyethyl)piperazin-1-yl]-2-methylpyrimidin-4-yl]amino]-1,3-thiazole-5-carboxamide

Research Areas

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

PubChem ID

3062316

Scientific Background

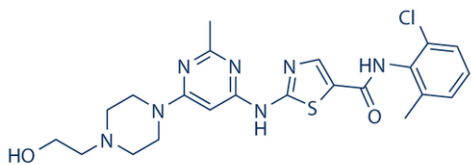
Dasatinib is a dual Src and Abl kinase inhibitor with 325 times more potency against BCR-ABL than imatinib. Specifically, it inhibits autophosphorylation and substrate phosphorylation in a concentration-dependent manner.

References

1. Benjamini O., et al. (2014) Am. J. Hematology. 89(3): 282287.

Product Images

Chemical structure of Dasatinib (SIH-440), a Src and Bcr/Abl kinase inhibitor. CAS #: 302962-49-8. Molecular Formula: C₂₂H₂₆ClN₇O₂S. Molecular Weight: 488 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.