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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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BIBW 2992

EGFR, HER2 kinase inhibitor
Catalog No. SIH-496



Discovery through partnership | Excellence through quality

Overview

Product Name

BIBW 2992

Description

EGFR, HER2 kinase inhibitor

Purity

>99%

CAS No.

850140-72-6

Molecular Formula

C₁₇H₁₄N₂O₃

Molecular Weight

485.9

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble in DMSO at 200 mg/ml; in ethanol at 25 mg/ml

Source

Synthetic

Appearance

Crystalline solid

SMILES

CN(C)C/C=C/C(=O)NC1=C(C=C2C(=C1)C(=NC=N2)NC3=CC(=C(C=C3)F)Cl)O[C@H]4CCOC4

InChI

InChI=1S/C24H25ClFN5O3/c1-31(2)8-3-4-23(32)30-21-11-17-20(12-22(21)34-16-7-9-33-13-16)27-14-28-24(17)29-15-5-6-19(26)18(25)10-

InChIKey

ULXXDDBFHOBEHA-CWDCEQMOSA-N

Safety Phrases

Classification:

Acute Toxicity: Oral, Category 2

Skin Corrosion/Irritation, Category 2

Serious Eye Damage/Eye Irritation, Category 1

Toxic To Reproduction, 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:

H300: Fatal if swallowed.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H361: Suspected of damaging fertility or the unborn child.

H373: May cause damage through prolonged or repeated exposure.

Precautionary statements:

P264: Wash {hands} thoroughly after handling.

P280: Wear {protective gloves/protective clothing/eye protection/face protection}.

P362+364: Take off contaminated clothing and wash it before reuse.

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.

P302+352: IF ON SKIN: Wash with plenty of soap and water.

P332+313: If skin irritation occurs, get medical advice/attention.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

P310: Immediately call a {POISON CENTER/doctor/...}.

P308+313: IF exposed or concerned: Get medical attentiodvice.

P314: Get medical attentiodvice if you feel unwell.

Cite This Product

BIBW 2992 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-496)

Biological Description

Alternative Names

Afatinib, N-?[4-?[[(3-?chloro-?4-?fluorophenyl)amino]-?7-?[[[(3S)-?tetrahydro-?3-?furanyl]oxy]-?6-?quinazoliny]-?4-?(dimethylamino)-?2-?butenamide

Research Areas

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

PubChem ID

10184653

Scientific Background

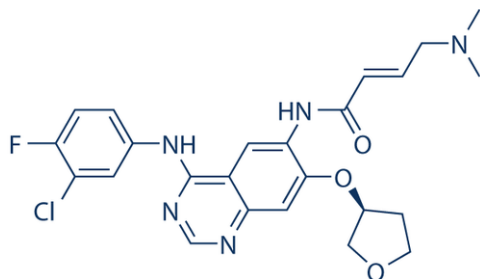
BIBW 2992 is a potent and irreversible ErbB inhibitor. It has also been shown to inhibit EGFR/Neu.

References

1. Ioannou, N., et al. (2011) Br. J. Cancer. 105(10): 15541562.

Product Images

Chemical structure of BIBW 2992 (SIH-496), a EGFR and HER2 kinase inhibitor. CAS #: 439081-18-2. Molecular Formula: C₂₄H₂₅ClFN₅O₃. Molecular Weight: 485.9 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.