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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Gefitinib

EGFR Kinase inhibitor
Catalog No. SIH-445



Discovery through partnership | Excellence through quality

Overview

Product Name

Gefitinib

Description

EGFR Kinase inhibitor

Purity

>99%

CAS No.

184475-35-2

Molecular Formula

C₁₈H₁₅ClF₃N₄O

Molecular Weight

446.9

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble in DMSO (89 mg/ml at 25 °C), methanol (20 mg/ml), ethanol (4 mg/ml at 25 °C), DMF (20 mg/ml), and water (<1 mg/ml at 25 °C)

Source

Synthetic

Appearance

Solid

SMILES

C1=C3C(=CC(=C1OC)OCCCN2CCOCC2)C(=NC=N3)NC4=CC=C(C(=C4)Cl)F

InChI

InChI=1S/C22H24ClFN4O3/c1-29-20-13-19-16(12-21(20)31-8-2-5-28-6-9-30-10-7-28)22(26-14-25-19)27-15-3-4-18(24)17(23)11-15/h3-4,11-14H,2,5-10H2,1H3,(H,25,26,27)

InChIKey

XGALLCVXEZPNRQ-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

Gefitinib (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-445)

Biological Description

Alternative Names

N-(3-chloro-4-fluorophenyl)-7-methoxy-6-(3-morpholin-4-ylpropoxy)quinazolin-4-amine

Research Areas

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

PubChem ID

123631

Scientific Background

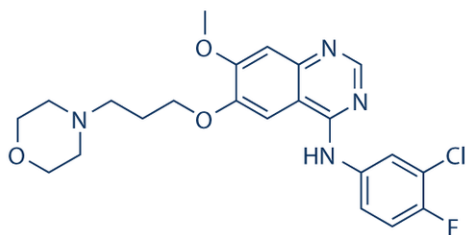
Gefitinib is a selective inhibitor of EGFR tyrosine kinase by blocking EGFR autophosphorylation.

References

1. Ciardiello F., et al. (2000) Clin. Cancer Res. 6(5): 20532063.

Product Images

Chemical structure of Gefitinib (SIH-445), a EGFR-Kinase inhibitor. CAS #: 184475-35-2. Molecular Formula: C₂₂H₂₄ClFN₄O₃. Molecular Weight: 446.9 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.