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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

AG 1478

EGFR kinase inhibitor
Catalog No. SIH-425



Discovery through partnership | Excellence through quality

Overview

Product Name

AG 1478

Description

EGFR kinase inhibitor

Purity

>98% (HPLC)

CAS No.

153436-53-4

Molecular Formula

C₁₁H₁₁ClN₃O

Molecular Weight

315.8

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble in DMSO (10 mg/ml)

Source

Synthetic

Appearance

White to light yellow solid

SMILES

COC1=C(C=C2C(=C1)C(=NC=N2)NC3=CC(=CC=C3)Cl)OC

InChI

InChI=1S/C₁₆H₁₄ClN₃O₂/c_{1-21-14-7-12-13(8-15(14)22-2)18-9-19-16(12)20-11-5-3-4-10(17)6-11/h_{3-9H,1-2H3,(H,18,19,20)}}

InChIKey

GFNNBHLJANVSQV-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

AG 1478 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-425)

Biological Description

Alternative Names

N-(3-Chlorophenyl)-6,7-dimethoxy-4-quinazolinamine, 4-(3-Chloroanilino)-6,7-dimethoxyquinazoline

Research Areas

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

PubChem ID

2051

Scientific Background

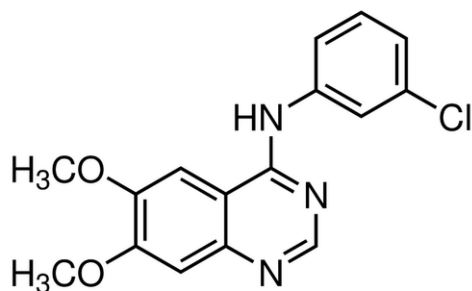
AG 1478 is a potent and selective inhibitor of EGFR. It does so by reducing EGF-stimulated DNA synthesis (seen in rat fibroblasts) and blocking EGF-dependent src-family kinase activation and p21/Cip 1/WAF1 induction (seen in A431 cells). AG 1478 is cell-permeable and active in vivo.

References

1. Osherov N., & Levitzki A. (1994) Euro J. Biochem. 225(3): 10471053.
2. Miyazaki Y., et al. (1996) Biochem. Biophys. Research Comm. 226(2): 542546.
3. Fan Z., et al. (1995) J Cell Biol. 131(1): 235242.

Product Images

Chemical structure of AG 1478 (SIH-425), a EGFR kinase inhibitor. CAS #: 175178-82-2. Molecular Formula: C₁₆H₁₄ClN₃O₂. Molecular Weight: 315.8 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.