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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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AG490

JAK-2 kinase inhibitor
Catalog No. SIH-428



Discovery through partnership | Excellence through quality

Overview

Product Name

AG490

Description

JAK-2 kinase inhibitor

Purity

>98% (TLC)

CAS No.

133550-30-8

Molecular Formula

C₁₁H₁₁N₃O₃

Molecular Weight

294.3

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble in DMSO (30 mg/ml), dimethyl formamide (40 mg/ml) or 100% ethanol (10 mg/ml)

Source

Synthetic

Appearance

Tan solid

SMILES

C1=CC=C(C=C1)CNC(=O)C(=CC2=CC(=C(C=C2)O)O)C#N

InChI

InChI=1S/C17H14N2O3/c18-10-14(8-13-6-7-15(20)16(21)9-13)17(22)19-11-12-4-2-1-3-5-12/h1-9,20-21H,11H2,(H,19,22)/b14-8+

InChIKey

TUCIOBMMDDOEMM-RIYZIHGNSA-N

Safety Phrases

Classification:

Acute toxicity, Oral (Category 3), H301

Acute aquatic toxicity (Category 1), H400

Chronic aquatic toxicity (Category 1), H410

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.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements:

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P321 Specific treatment (see supplemental first aid instructions on this label).

P330 Rinse mouth.

P391 Collect spillage.

P405 Store locked up.

Cite This Product

AG490 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-428)

Biological Description

Alternative Names

Tyrphostin AG 490, N-Benzyl-3,4-dihydroxybenzylidenecyanoacetamide, 2-Cyano-3-(3,4-dihydroxyphenyl)-N-(benzyl)-2-propenamide, 2-Cyano-3-(3,4-dihydroxyphenyl)-N-(phenylmethyl)-2-propenamide

Research Areas

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

PubChem ID

5328779

Scientific Background

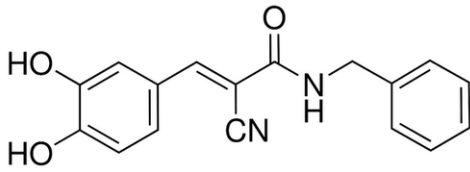
AG490 is a selective inhibitor of JAK2/3 and EGF receptor tyrosine kinase. It also inhibits the downstream activation of STAT5a/b. AG490 is cell permeable and is a valuable tool for studying the cellular role of JAK kinases in signal transduction.

References

1. Abe M., et al. (2009) Int. Immunopharma. 9(7-8): 870877.
 2. De Vos J., Jourdan M., Tarte K., Jasmin C., & Klein B. (2000) British J. Haem. 109(4): 823828.
 3. Kirken R.A., et al. (1999) J. Leukocyte Biol. 65(6): 891899.
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Product Images

Chemical structure of AG490 (SIH-428), a JAK-2 kinase inhibitor. CAS #: 133550-30-8.
Molecular Formula: C₁₇H₁₄N₂O₃. Molecular Weight: 294.3 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.