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Produktinformation



Forschungsprodukte & Biochemikalien



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Laborgeräte & Service

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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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GW2580

cFMS kinase inhibitor
Catalog No. SIH-449



Discovery through partnership | Excellence through quality

Overview

Product Name

GW2580

Description

cFMS kinase inhibitor

Purity

>98% (HPLC)

CAS No.

870483-87-7

Molecular Formula

C₁₁H₁₁N₃O

Molecular Weight

366.4

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble in DMSO: 10 mg/ml, clear (warmed)

Source

Synthetic

Appearance

White to beige solid

SMILES

COC1=CC=C(C=C1)COC2=C(C=C(C=C2))CC3=CN=C(N=C3N)N)OC

InChI

InChI=1S/C20H22N4O3/c1-25-16-6-3-13(4-7-16)12-27-17-8-5-14(10-18(17)26-2)9-15-11-23-20(22)24-19(15)21/h3-8,10-11H,9,12H2,1-2H

3,(H4,21,22,23,24)

InChIKey

MYQAUKPBNJWPJE-UHFFFAOYSA-N

Safety Phrases

Classification:

Acute toxicity, Oral (Category 4), H302

Skin irritation (Category 2), H315

Eye irritation (Category 2A), H319

Specific target organ toxicity -single exposure (Category 3), Respiratory system, H335

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:

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Precautionary statements:

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P264 Wash skin thoroughly after handling.

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

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ eye protection/ face protection.

P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

P312 Call a POISON CENTER or doctor/ physician if you feel unwell.

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

P330 Rinse mouth.

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P362 Take off contaminated clothing and wash before reuse.

P403 + P233 Store in a well - ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of contents/ container to an approved waste disposal plant.

Cite This Product

GW2580 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-449)

Biological Description

Alternative Names

5-[[3-Methoxy-4-[(4-methoxyphenyl)methoxy]phenyl]methyl]-2,4-Pyrimidinediamine, 5-[[[3-Methoxy-4-[(4-methoxyphenyl)methoxy]phenyl]methyl]pyrimidine-2,4-diamine, GW 2580, GW-2580

Research Areas

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

PubChem ID

11617559

Scientific Background

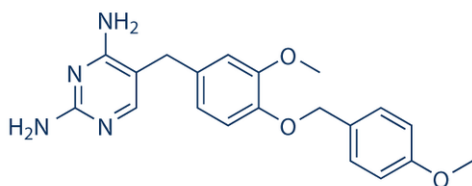
GW2580 is a potent and selective, ATP-competitive inhibitor of cFMS kinase. It also inhibits macrophage-colony stimulating factor receptor, M-CSF/ CSF-1. cFMS is a type III receptor tyrosine kinase that binds to M-CSF or CSF-1. Overexpression of CSF-1 and/or FMS has been implicated in a number of disease states.

References

1. Conway J.G., et al. (2008) J. Pharm. Exp. Ther. 326(1): 4150.
 2. Conway J.G., et al. (2005) Pro. Nat. Acad. Sci. USA. 102(44): 1607816083.
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Product Images

Chemical structure of GW2580 (SIH-449), a cFMS kinase inhibitor. CAS #: 870483-87-7. Molecular Formula: C₂₀H₂₂N₄O₃. Molecular Weight: 366.4 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.