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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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GF109203X

PKC kinase inhibitor
Catalog No. SIH-447



Discovery through partnership | Excellence through quality

Overview

Product Name

GF109203X

Description

PKC kinase inhibitor

Purity

>98% (TLC)

CAS No.

133052-90-1

Molecular Formula

C11H11NO1

Molecular Weight

412.5

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble in dimethyl formamide or DMSO (10 mg/ml, warm to 40°C and vortex well)

Source

Synthetic

Appearance

Red solid

SMILES

C4=C(C3=C(C1=C[NH]C2=CC=CC=C12)C(=O)NC3=O)C5=C([N]4CCCN(C)C)C=CC=C5

InChI

InChI=1S/C25H24N4O2/c1-28(2)12-7-13-29-15-19(17-9-4-6-11-21(17)29)23-22(24(30)27-25(23)31)18-14-26-20-10-5-3-8-16(18)20/h3-6,8

-11,14-15,26H,7,12-13H2,1-2H3,(H,27,30,31)

InChIKey

QMGUOJYZJKLOLH-UHFFFAOYSA-N

Safety Phrases

Classification:

Acute toxicity, Oral (Category 4), H302

Carcinogenicity (Category 2), H351

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.

H351 Suspected of causing cancer.

Precautionary statements:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P264 Wash skin thoroughly after handling.

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

P281 Use personal protective equipment as required.

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

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

P330 Rinse mouth.

P405 Store locked up.

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

Cite This Product

GF109203X (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-447)

Biological Description

Alternative Names

2-[1-(3-Dimethylaminopropyl)indol-3-yl]-3-(indol-3-yl) maleimide, 3-(N-[Dimethylamino]propyl-3-indolyl)-4-(3-indolyl)maleimide, 3-[1-[3-(Dimethylamino)propyl]1H-indol-3-yl]-4-(1Hindol-3-yl)1H-pyrrole-2,5dione, Bisindolylmaleimide I

Research Areas

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

PubChem ID

2396

Scientific Background

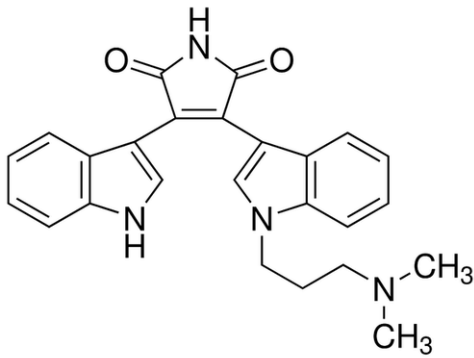
GF109203X is a very potent inhibitor of protein kinase C; it is selective for the α and β 1 isoforms; this could lead to an increase in autophagy. GF109203X is also an inhibitor of glycogen synthase kinase-3 (GSK-3) and has anti-inflammatory effects. It has also been seen to inhibit telomerase activity and necrosis.

References

1. Toullec D., et al. (1991) J. Biol. Chem. 266(24): 15771-15781.
 2. Jacobson P.B., et al. (1995) J. Pharma. Exp. Ther. 275(2): 995-1002.
 3. Jiang Q., et al. (2011) Mol. Biol. Cell. 22(8): 1167-1180.
 4. Kuchera S., et al. (1993) Agents and Actions. 39 Spec No: C169173.
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Product Images

Chemical structure of GF109203X (SIH-447), a PKC kinase inhibitor. CAS #: 133052-90-1. Molecular Formula: C₂₅H₂₄N₄O₂. Molecular Weight: 412.5 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.