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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PD325901

MEK kinase inhibitor
Catalog No. SIH-507



Discovery through partnership | Excellence through quality

Overview

Product Name

PD325901

Description

MEK kinase inhibitor

Purity

>98% (HPLC)

CAS No.

391210-10-9

Molecular Formula

C₁₁H₁₁FI₂N₂O₄

Molecular Weight

482.2

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble to 25 mM in DMSO

Source

Synthetic

Appearance

Off-white solid

SMILES

C1=CC(=C(C=C1)F)NC2=C(C=CC(=C2)F)C(=O)NOC[C@@H](CO)O

InChI

InChI=1S/C16H14F3IN2O4/c17-11-3-2-10(16(25)22-26-7-9(24)6-23)15(14(11)19)21-13-4-1-8(20)5-12(13)18/h1-5,9,21,23-24H,6-7H2,(H,22,

InChIKey

SUDAHWBOROXANE-SECBINFHSA-N

Safety Phrases

Classification:

Acute toxicity, Oral (Category 3), H301
Specific target organ toxicity -repeated exposure (Category 2), H373
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.
H373 May cause damage to organs through prolonged or repeated exposure.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements:

P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
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.
P314 Get medical advice/ attention if you feel unwell.
P321 Specific treatment (see supplemental first aid instructions on this label).
P330 Rinse mouth.
P391 Collect spillage.
P405 Store locked up.
P501 Dispose of contents/ container to an approved waste disposal plant.

Cite This Product

PD325901 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-507)

Biological Description

Alternative Names

PD 0325901, PD-325901, N-[(2R)-2,3-Dihydroxypropoxy]-3,4-difluoro-2-[(2-fluoro-4-iodophenyl)amino]-benzamide

Research Areas

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

PubChem ID

9826528

Scientific Background

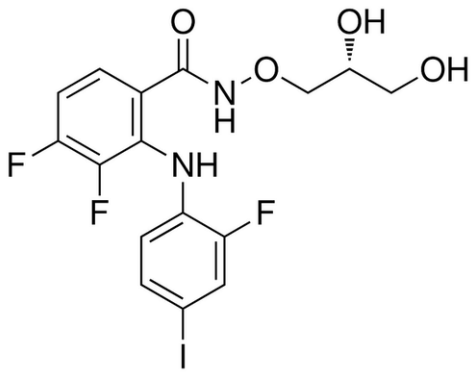
PD325901 is a potent MEK1 and MEK2 inhibitor. Specifically, it has been shown to suppress phosphorylation of ERK1/2 in murine colon 26 cells, as well as, its downstream target, ribosomal S6 kinase, in a dose-dependent manner.

References

1. Barrett S.D., et al. (2008) Bioorganic. Med. Chem. Letters. 18(24): 65016504.
 2. Ciuffreda L., et al. (2009) Neoplasia. 11(8): 720731.
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Product Images

Chemical structure of PD325901 (SIH-507), a MEK kinase inhibitor. CAS #: 391210-10-9. Molecular Formula: C₁₆H₁₄F₃IN₂O₄. Molecular Weight: 482.2 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.