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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PD98059

MEK kinase inhibitor
Catalog No. SIH-466



Discovery through partnership | Excellence through quality

Overview

Product Name

PD98059

Description

MEK kinase inhibitor

Purity

>95% (HPLC)

CAS No.

167869-21-8

Molecular Formula

C11H11NO1

Molecular Weight

267.3

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble in DMSO (6.5 mg/ml); 25 mg/ml in anhydrous DMSO, methanol, dichloromethane and 100% ethanol (0.6 mg/ml)

Source

Synthetic

Appearance

Pale yellow solid

SMILES

COC1=CC=CC(=C1N)C2=CC(=O)C3=CC=CC=C3O2

InChI

InChI=1S/C16H13NO3/c1-19-14-8-4-6-11(16(14)17)15-9-12(18)10-5-2-3-7-13(10)20-15/h2-9H,17H2,1H3

InChIKey

QFWCYNPOPKQOKV-UHFFFAOYSA-N

Safety Phrases

Classification:

Acute toxicity, Oral (Category 3), H301

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.

Precautionary statements:

P264 Wash skin thoroughly after handling.

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

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.

P405 Store locked up.

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

Cite This Product

PD98059 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-466)

Biological Description

Alternative Names

2-(2-Amino-3-methoxyphenyl)-4H-1-benzopyran-4-one, PD98059

Research Areas

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

PubChem ID

4713

Scientific Background

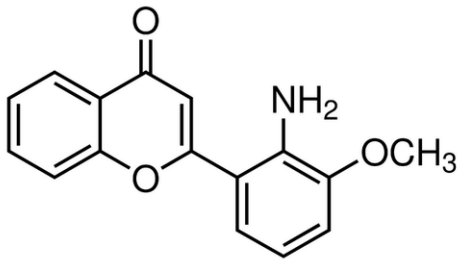
PD98059 is a potent, selective and reversible inhibitor of mitogen-activated protein kinase kinase (MAPKK/ MEK-1) activation. Specifically, it binds to the inactive form of MAPKK, blocking its activation, causing inhibition of phosphorylation and the activation of MAP kinase. It has been shown to enhance self-renewal of embryonic stem cells. PD98059 is cell permeable inhibitor.

References

1. Alessi D.R., Cuenda A., Cohen P., Dudley D.T., & Saltiel A.R. (1995) J. Biol. Chem. 270(46): 2748927494.
 2. Qi X., et al. (2004) Pro. Nat. Acad. Sci. USA. 101(16): 60276032.
 3. Dudley D.T., Pang L., Decker S.J., Bridges A.J., & Saltiel A.R. (1995) Pro. Nat. Acad. Sci. USA. 92(17): 76867689.
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Product Images

Chemical structure of PD98059 (SIH-466), a MEK kinase inhibitor. CAS #: 167869-21-8. Molecular Formula: C₁₆H₁₃NO₃. Molecular Weight: 267.3 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.