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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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H89 Dihydrochloride

PKA inhibitor
Catalog No. SIH-452



Discovery through partnership | Excellence through quality

Overview

Product Name

H89 Dihydrochloride

Description

PKA inhibitor

Purity

99% (TLC)

CAS No.

127243-85-0

Molecular Formula

C₁₁H₁₁BrCl₂N₃O₂S

Molecular Weight

519.3

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble in DMSO (25 mg/ml), methanol and 50% ethanol/water (20 mg/ml)

Source

Synthetic

Appearance

White to off-white solid

SMILES

C1=C(C2=C(C=C1)C=NC=C2)[S](NCCNCC=CC3=CC=C(Br)C=C3)(=O)=O

InChI

InChI=1S/C20H20BrN3O2S/c21-18-8-6-16(7-9-18)3-2-11-22-13-14-24-27(25,26)20-5-1-4-17-15-23-12-10-19(17)20/h1-10,12,15,22,24H,1

1,13-14H2/b3-2+

InChIKey

ZKZXNDJNWUTGDK-NSCUHMNNSA-N

Safety Phrases

Classification:

Not a hazardous substance or mixture.

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.

Cite This Product

H89 Dihydrochloride (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-452)

Biological Description

Alternative Names

N-[2-(p-Bromocinnamylamino)ethyl]-5-isoquinolinesulfonamide . 2HCl

Research Areas

Cell Signaling

PubChem ID

449241

Scientific Background

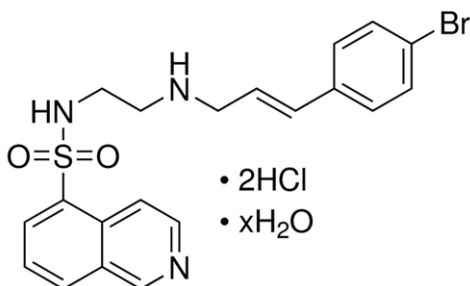
H89 Dihydrochloride is a potent and selective inhibitor of cAMP-dependent protein kinase (PKA). It has also been shown to inhibit CaM kinase II, casein kinase I and MYLK, as well as, Rsk-2, MSK1, Akt1, PKC μ , Rock-2, p70 S6 kinase ?. H89 Dihydrochloride can induce apoptosis. It is cell permeable.

References

1. Bouschet, T., (2003) J. Biol. Chem. 278(7): 47784785.
2. Findik D., Song Q., Hidaka H., & Lavin M. (1995) J. Cell. Biochem. 57(1): 1221.
3. Davies S. P., Reddy H., Caivano M., & Cohen P. (2000) Biochem. J. 351(Pt 1): 95105.

Product Images

Chemical structure of H89 Dihydrochloride (SIH-452), a PKA inhibitor. CAS #: 127243-85-0. Molecular Formula: C₂₀H₂₂BrCl₂N₃O₂S. Molecular Weight: 519.3 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.