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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Fasudil
ROCK inhibitor
Catalog No. SIH-371



Overview

Product Name

Fasudil

Description

ROCK inhibitor

Purity

>98% (TLC); NMR (Conforms)

CAS No.

103745-39-7

Molecular Formula

C₁₄H₁₇N₃O₂S

Molecular Weight

327.83

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

May be dissolved in DMSO (75 mg/ml) or water (100 mg/ml)

Source

Synthetic

Appearance

Powder

SMILES

C1CNCCN(C1)S(=O)(=O)C2=CC=CC3=C2C=CN=C3

InChI

InChI=1S/C14H17N3O2S/c18-20(19,17-9-2-6-15-8-10-17)14-4-1-3-12-11-16-7-5-13(12)14/h1,3-5,7,11,15H,2,6,8-10H2

InChIKey

NGOGFTYYXHNFAQH-UHFFFAOYSA-N

Safety Phrases

Classification: Caution: Substance not yet fully tested.

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

Fasudil (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-371)

Biological Description

Alternative Names

1-(5-Isoquinolinylsulfonyl) homopiperazine hydrochloride; 5-(1,4-Diazepan-1-ylsulfonyl)isoquinoline

Research Areas

Cell Signaling, Neuroscience

PubChem ID

3547

Scientific Background

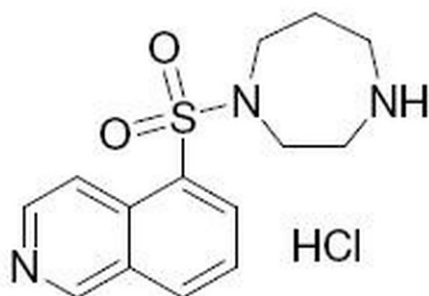
Fasudil is a ROCK2 inhibitor with some action on PRK2 and MSK1 (IC50 values are 1.9 μ M, 4 μ M and 5 μ M respectively). It is also shown to inhibit RSK1, RSK2, PKA, AMPK and PKd1. It is also a calcium channel antagonist and vasodilator.

References

1. Shirovani M., et al. (1991) J. Pharmacol. Exp. Ther. 259(2): 738-744.
 2. Arai M., Nozawa R., et al. (1993) Biochem. Pharmacol. 46(8): 1487-1490.
 3. Satoh S., et al. (1996) Br. J. Pharmacol. 118(7): 1592-1606.
 4. Sward K., et al. (2000) J. Physiol. 522: 33-49.
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Product Images

Chemical structure of Fasudil (SIH-371), a ROCK inhibitor. CAS #: 103745-39-7.
Molecular Formula: C₁₄H₁₇N₃O₂SHCl. Molecular Weight: 327.83 g/mol.

**Product Citations (0)**

Currently there are no citations for this product.

Reviews

There are no reviews yet.