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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Y 27632

ROCK kinase inhibitor
Catalog No. SIH-486



Discovery through partnership | Excellence through quality

Overview

Product Name

Y 27632

Description

ROCK kinase inhibitor

Purity

>98% (HPLC)

CAS No.

146986-50-7

Molecular Formula

C₁₁H₁₁Cl₂N₃O

Molecular Weight

320.3

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble in DMSO (25 mg/ml), methanol (25 mg/ml), acetonitrile (<1 mg/ml), dioxan (<1 mg/ml), water (very soluble)

Source

Synthetic

Appearance

White to pale yellow powder

SMILES

C[C@@H](N)[C@H]1CC[C@@H](CC1)C(=O)NC2=CC=NC=C2.Cl.Cl

InChI

InChI=1S/C14H21N3O/c1-10(15)11-2-4-12(5-3-11)14(18)17-13-6-8-16-9-7-13/h6-12H,2-5,15H2,1H3,(H,16,17,18)/t10-,11?,12?/m1/s1

InChIKey

IYOZTVGMEWJPKR-VOMCLLRMSA-N

Safety Phrases

Classification:

Acute toxicity, Oral (Category 4), H302
Acute toxicity, Inhalation (Category 4), H332
Acute toxicity, Dermal (Category 4), H312

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 + H312 + H332 Harmful if swallowed, in contact with skin or if inhaled

Precautionary statements:

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ protective clothing.
P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 Call a POISON CENTER or doctor/ physician if you feel unwell.
P322 Specific measures (see supplemental first aid instructions on this label).
P330 Rinse mouth.
P363 Wash contaminated clothing before reuse.
P501 Dispose of contents/ container to an approved waste disposal plant.

Cite This Product

Y 27632 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-486)

Biological Description

Alternative Names

Y-27632 dihydrochloride, (R)-(+)-trans-N-(4-Pyridyl)-4-(1-aminoethyl)-cyclohexanecarboxamide . 2HCl

Research Areas

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

PubChem ID

448042

Scientific Background

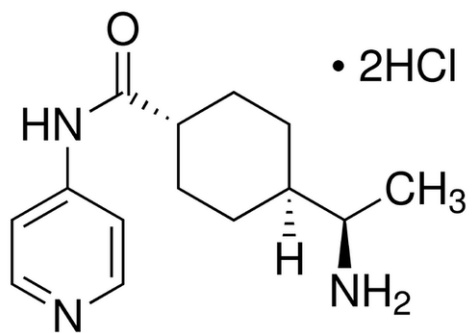
Y 27632 is a very potent and selective ROCK1 and ROCK2 inhibitor. Y 27632 is cell permeable and is an ATP competitive inhibitor.

References

1. Shi J., et al. (2013) Cell Death & Disease, 4: e483.

Product Images

Chemical structure of Y 27632 (SIH-486), a ROCK family kinase inhibitor. CAS #: 146986-50-7. Molecular Formula: C₁₄H₂₃Cl₂N₃O. Molecular Weight: 320.3 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.