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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Roscovitine
p34/cdc2 inhibitor
Catalog No. SIH-472



Overview

Product Name

Roscovitine

Description

p34/cdc2 inhibitor

Purity

>95% (HPLC, TLC)

CAS No.

186692-46-6

Molecular Formula

C₁₁H₁₁N₃O

Molecular Weight

354.4

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble in DMSO

Source

Synthetic

Appearance

White to off-white solid

SMILES

[C@H](NC2=NC1=C(N=C[N]1C(C)C)(=N2)NCC3=CC=CC=C3)(CO)CC

InChI

InChI=1S/C19H26N6O/c1-4-15(11-26)22-19-23-17(20-10-14-8-6-5-7-9-14)16-18(24-19)25(12-21-16)13(2)3/h5-9,12-13,15,26H,4,10-11H2,

1-3H3,(H2,20,22,23,24)/t15-/m1/s1

InChIKey

BTIHMVBBUGXLCJ-OAHLLOKOSA-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

Roscovotine (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-472)

Biological Description

Alternative Names

2-(R)-[[9-(1-Methylethyl)-6-[(phenylmethyl)amino]-9H-purin-2-yl]amino]-1-butanol, 6-Benzylamino-2-(R)-[(1-ethyl)-2-hydroxyethylamino]-9-isopropylpurine, 2(R)-(1-Ethyl-2-hydroxyethylamino)-6-benzylamino-9-isopropylpurine

Research Areas

Cell Signaling

PubChem ID

160355

Scientific Background

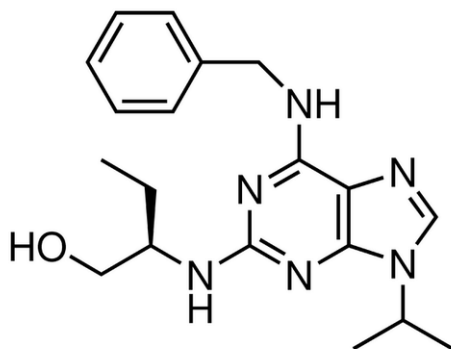
Roscovotine is a potent and selective inhibitor of cyclin-dependent kinases (CDKs). It is specifically selective for CDK1/cyclin B kinase, CDK2 and CDK5/p35. It inhibits M phase promoting factor kinase activity and affects calcium channel gating.

References

1. De Azevedo, et al. (1997) Eur. J. Biochem. 243(1-2): 518526.

Product Images

Chemical structure of Roscovotine (SIH-472), a p34/cdc2 inhibitor. CAS #: 186692-46-6. Molecular Formula: C₁₉H₂₆N₆O. Molecular Weight: 354.4 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.