



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

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) 

KT5720

PKA kinase inhibitor
Catalog No. SIH-457



Discovery through partnership | Excellence through quality

Overview

Product Name

KT5720

Description

PKA kinase inhibitor

Purity

>98% (TLC)

CAS No.

108068-98-0

Molecular Formula

C11H11N1O1

Molecular Weight

537.6

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble in methanol: clear colorless solution at 5 mg/ml

Source

Synthetic

Appearance

White powder

SMILES

[N]47C1=C(C6=C(C2=C1[N](C3=CC=CC=C23)[C@H]5O[C@@]4[C@](C5)(O)C(=O)OCCCCC)C)(NC6=O)C8=C7C=CC=C8

InChI

InChI=1S/C32H31N3O5/c1-3-4-5-10-15-39-30(37)32(38)16-23-34-21-13-8-6-11-18(21)25-26-20(17-33-29(26)36)24-19-12-7-9-14-22(19)3

5(28(24)27(25)34)31(32,2)40-23/h6-9,11-14,23,38H,3-5,10,15-17H2,1-2H3,(H,3

InChIKey

ZHEHVZXPVXKEY-UHFFFAOYSA-N

Safety Phrases

Classification:

Specific target organ toxicity-single exposure (Category 1), H370

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:

H370 Causes damage to organs.

Precautionary statements:

P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

P264 Wash skin thoroughly after handling.

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

P307 + P311 IF exposed: Call a POISON CENTER or doctor/ physician.

P321 Specific treatment (see supplemental first aid instructions on this label).

P405 Store locked up.

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

Cite This Product

KT5720 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-457)

Biological Description

Alternative Names

(9S,10S,12R)-2,3,9,10,11,12-Hexahydro-10-hydroxy-9-methyl-1-oxo-9,12-epoxy-1H-diindolo[1,2,3-fg:3',2',1'-kl]pyrrolo[3,4-i][1,6]benzodiazocine-10-carboxylic acid hexyl ester

Research Areas

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

PubChem ID

3844

Scientific Background

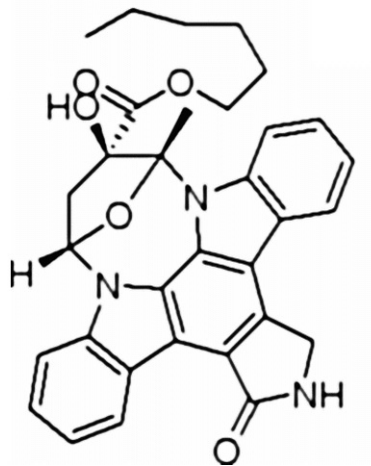
KT5720 is a potent and selective inhibitor of protein kinase A (PKA). This compound blocks PKA signaling through competitive inhibition. It causes no significant effect on protein kinase C (PKC), protein kinase G (PKG) or myosin light chain kinase (mLCK). KT5720 has been shown to reversibly arrests human skin fibroblasts in the G1 phase. It is cell permeable.

References

1. Kase H., et al. (1987) Biochem. Biophys. Res. Comm. 142(2): 436440.
2. Gadbois D.M., Crissman H.A., Tobey R.A., & Bradbury E.M. (1992) Pro. Na. Aca. Sci. USA. 89(18): 86268630.

Product Images

Chemical structure of KT5720 (SIH-457), a PKA kinase inhibitor. CAS #: 108068-98-0.
Molecular Formula: C₃₂H₃₁N₃O₅. Molecular Weight: 537.6 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.