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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)



A83 01

ALK kinase inhibitor
Catalog No. SIH-423



Discovery through partnership | Excellence through quality

Overview

Product Name

A83 01

Description

ALK kinase inhibitor

Purity

>98% (HPLC)

CAS No.

909910-43-6

Molecular Formula

C11H11N1S

Molecular Weight

421.5

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble to 50 mM in DMSO

Source

Synthetic

Appearance

White to beige powder

SMILES

CC1=NC(=CC=C1)C2=NN(C=C2C3=CC=NC4=CC=CC=C34)C(=S)NC5=CC=CC=C5

InChI

InChI=1S/C25H19N5S/c1-17-8-7-13-23(27-17)24-21(19-14-15-26-22-12-6-5-11-20(19)22)16-30(29-24)25(31)28-18-9-3-2-4-10-18/h2-16H,

1H3,(H,28,31)

InChIKey

HIIJMSZGHKQPPJS-UHFFFAOYSA-N

Safety Phrases

Classification:

Acute toxicity, Oral (Category 4) Skin irritation (Category 2) Eye irritation (Category 2A) Specific target organ toxicity-single exposure (Category 3), Respiratory system

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 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation..

Precautionary statements:

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Cite This Product

A83 01 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-423)

Biological Description

Alternative Names

3-(6-Methyl-2-pyridinyl)-N-phenyl-4-(4-quinolinyl)-1H-pyrazole-1-carbothioamide, A-83-01, A83-01

Research Areas

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

PubChem ID

16218924

Scientific Background

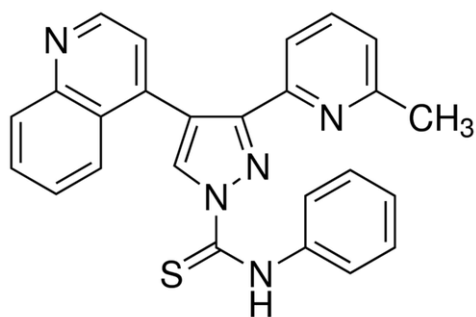
A83-01 is a selective inhibitor of TGF- β type I receptor ALK5 kinase. It blocks phosphorylation of Smad2 and inhibits TGF- β -induced epithelial-to-mesenchymal transition. A 83-01 also inhibits the transcriptional activity induced by TGF β type I receptor ALK-5, activin type IB receptor ALK-4 and nodal type I receptor ALK-7.

References

1. Li W., et al. (2009) Stem Cell 4(1): 1619.
2. Cherukuri P., et al. (2012). PloS One. 7(11): e50066.

Product Images

Chemical structure of A83 01 (SIH-423), a ALK kinase inhibitor. CAS #: 909910-43-6.
Molecular Formula: C₂₅H₁₉N₅S. Molecular Weight: 421.5 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.