



# 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

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SB431542

ALK4,5 and 7 kinase inhibitor  
Catalog No. SIH-511



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

SB431542

### Description

ALK4,5 and 7 kinase inhibitor

### Purity

>98% (HPLC)

### CAS No.

301836-41-9

### Molecular Formula

C<sub>11</sub>H<sub>11</sub>N<sub>1</sub>O<sub>1</sub>

### Molecular Weight

384.4

## Properties

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### Storage Temperature

-20°C

### Shipping Temperature

Shipped Ambient

### Product Type

Inhibitor

### Solubility

Soluble to 10 mM in ethanol and to 100 mM in DMSO

### Source

Synthetic

### Appearance

Yellow solid

### SMILES

C1OC2=C(O1)C=C(C=C2)C3=C(NC(=N3)C4=CC=C(C=C4)C(=O)N)C5=CC=CC=N5

### InChI

InChI=1S/C22H16N4O3/c23-21(27)13-4-6-14(7-5-13)22-25-19(20(26-22)16-3-1-2-10-24-16)15-8-9-17-18(11-15)29-12-28-17/h1-11H,12H

2,(H2,23,27)(H,25,26)

## InChIKey

FHYUGAJXYORMHI-UHFFFAOYSA-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

SB431542 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-511)

## Biological Description

### Alternative Names

SB 431542, 4-(5-Benzol[1,3]dioxol-5-yl-4-pyridin-2-yl-1H-imidazol-2-yl)-benzamide hydrate, 4-[4-(1,3-Benzodioxol-5-yl)-5-(2-pyridinyl)-1H-imidazol-2-yl]-benzamide hydrate, 4-[4-(3,4-Methylenedioxyphenyl)-5-(2-pyridyl)-1H-imidazol-2-yl]-benzamide hydrate

### Research Areas

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

### PubChem ID

4521392

### Scientific Background

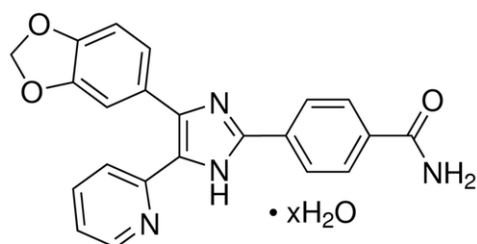
SB431542 is a potent and selective inhibitor of the transforming growth factor- $\beta$  (TGF- $\beta$ ) type I receptor, activin receptor-like kinases. It has been shown to inhibit ALK4, 5, and 7.

### References

1. Laping N.J., et al. (2002) Mol. Pharm. 62(1): 5864.

## Product Images

Chemical structure of SB431542 (SIH-511), a ALK4,5 and 7 kinase inhibitor. CAS #: 301836-41-9. Molecular Formula: C<sub>22</sub>H<sub>16</sub>N<sub>4</sub>O<sub>3</sub>. Molecular Weight: 384.4 g/mol.



## Product Citations (0)

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Currently there are no citations for this product.

## Reviews

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There are no reviews yet.