



# 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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SB203580

p38 MAP kinase inhibitor  
Catalog No. SIH-474



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

SB203580

### Description

p38 MAP kinase inhibitor

### Purity

>98% (HPLC)

### CAS No.

152121-47-6

### Molecular Formula

C<sub>11</sub>H<sub>11</sub>F<sub>3</sub>N<sub>3</sub>O<sub>2</sub>

### Molecular Weight

377.4

## Properties

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### Storage Temperature

-20°C

### Shipping Temperature

Shipped Ambient

### Product Type

Inhibitor

### Solubility

Soluble in DMSO (50 mg/ml)

### Source

Synthetic

### Appearance

White to off-white powder

### SMILES

C1=C(C=CC(=C1)C2=C([NH]C(=N2)C3=CC=C(C=C3)[S](C)=O)C4=CC=NC=C4)F

### InChI

InChI=1S/C21H16FN3OS/c1-27(26)18-8-4-16(5-9-18)21-24-19(14-2-6-17(22)7-3-14)20(25-21)15-10-12-23-13-11-15/h2-13H,1H3,(H,24,25)

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**InChIKey**

CDMGBJANTYXAIV-UHFFFAOYSA-N

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**Safety Phrases**

## Classification:

Acute toxicity, Oral (Category 4), H302  
Serious eye damage (Category 1), H318

## 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.  
H318 Causes serious eye damage.

## Precautionary statements:

P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves/ eye protection/ face protection.  
P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER or doctor/ physician.  
P330 Rinse mouth.  
P501 Dispose of contents/ container to an approved waste disposal plant

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**Cite This Product**

SB203580 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-474)

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**Biological Description**

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**Alternative Names**

4-(4-Fluorophenyl)-2-(4-methylsulfinylphenyl)-5-(4-pyridyl)1H-imidazole

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**Research Areas**

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

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**PubChem ID**

176155

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**Scientific Background**

SB203580 is a pyridinyl imidazole that inhibits p38 MAP kinase. SB 203580 has also been shown to inhibit heat shock protein 27 (HSP 27) phosphorylation and has been shown to induce the activation of Raf-1. It displays 100-500-fold selectivity over LCK, GSK-3 $\beta$  and PKB $\beta$ . SB203580 is cell permeable.

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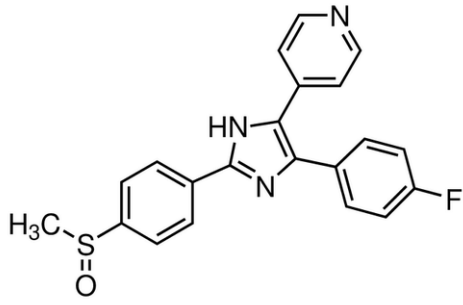
**References**

1. Hall-Jackson C. A., Goedert M., Hedge P., & Cohen P. (1999) Oncogene. 18(12): 20472054.
  2. Saklatvala, J., et al. (1996) J. Bio. Chem. 271(12): 65866589.
  3. Cuenda A., et al. (1995) FEBS Letters. 364(2): 229233.
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**Product Images**

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Chemical structure of SB203580 (SIH-474), a p38 MAP kinase inhibitor. CAS #: 152121-47-6. Molecular Formula: C<sub>21</sub>H<sub>16</sub>FN<sub>3</sub>OS. Molecular Weight: 377.4 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.