



# SZABO SCANDIC

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## 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

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# Imatinib Mesylate

Kinase inhibitor  
Catalog No. SIH-453



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

Imatinib mesylate

### Description

Kinase inhibitor

### Purity

>98% (HPLC)

### CAS No.

152459-95-5

### Molecular Formula

C<sub>17</sub>H<sub>11</sub>N<sub>5</sub>O<sub>2</sub>S

### Molecular Weight

589.7

## Properties

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### Storage Temperature

-20°C

### Shipping Temperature

Shipped Ambient

### Product Type

Inhibitor

### Solubility

Soluble H<sub>2</sub>O: soluble 10 mg/ml, clear

### Source

Synthetic

### Appearance

White to beige solid

### SMILES

C5=C(C1=CN=CC=C1)N=C(NC2=C(C=CC(=C2))NC(C3=CC=C(C=C3)CN4CCN(CC4)C=O)C)N=C5

### InChI

InChI=1S/C29H31N7O/c1-21-5-10-25(18-27(21))34-29-31-13-11-26(33-29)24-4-3-12-30-19-24)32-28(37)23-8-6-22(7-9-23)20-36-16-14-35(

2)15-17-36/h3-13,18-19H,14-17,20H2,1-2H3,(H,32,37)(H,31,33,34)

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### InChIKey

KTUFNOKKBVMGRW-UHFFFAOYSA-N

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### Safety Phrases

Classification:

Acute toxicity, Oral (Category 4), H302

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.

Precautionary statements:

P264 Wash skin thoroughly after handling.

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

P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.

P330 Rinse mouth.

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

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### Cite This Product

Imatinib mesylate (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-453)

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## Biological Description

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### Alternative Names

4-[[4-Methyl-1-piperazinyl)methyl]-N-[4-methyl-3-[[4-(3-pyridinyl)-2-pyrimidinyl]amino]-phenyl]benzamide methanesulfonate, 4-[[4-Methylpiperazin-1-yl)methyl]-N-(4-methyl-3-[[4-(pyridin-3-yl)pyrimidin-2-yl]amino]phenyl)benzamide mesylate, CGP 57148, Genfatinib, Glivec, Imatinib methanesulfonate, STI-571

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### Research Areas

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

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### PubChem ID

5291

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### Scientific Background

Imatinib mesylate is a tyrosine kinase inhibitor. It specifically inhibits Bcr-Abl tyrosine kinase, and receptor tyrosine kinases encoded by c-kit and platelet-derived growth factor receptor (PDGFR) oncogenes.

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### References

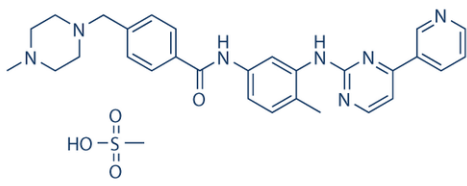
1. Kantarjian H., et al. (2002). N.E. J. Med. 346(9): 645652.

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## Product Images

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Chemical structure of Imatinib mesylate (SIH-453), a BCR-ABL kinase inhibitor. CAS #: 152459-95-5. Molecular Formula: C<sub>30</sub>H<sub>35</sub>N<sub>7</sub>O<sub>4</sub>S. Molecular Weight: 589.7 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.