



# 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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# Ruxolitinib

JAK kinase inhibitor  
Catalog No. SIH-509



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

Ruxolitinib

### Description

JAK kinase inhibitor

### Purity

>98%

### CAS No.

941678-49-5

### Molecular Formula

C<sub>17</sub>H<sub>18</sub>N<sub>6</sub>

### Molecular Weight

306.4

## Properties

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### Storage Temperature

-20°C

### Shipping Temperature

Shipped Ambient

### Product Type

Inhibitor

### Solubility

Soluble in DMSO (25 mg/ml) or EtOH (~15 mg/ml)

### Source

Synthetic

### Appearance

Off-white solid

### SMILES

C1CCC(C1)[C@@H](CC#N)N2C=C(C=N2)C3=C4C=CNC4=NC=N3

### InChI

InChI=1S/C17H18N6/c18-7-5-15(12-3-1-2-4-12)23-10-13(9-22-23)16-14-6-8-19-17(14)21-11-20-16/h6,8-12,15H,1-5H2,(H,19,20,21)/t15-/  
/

m1/s1

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## InChIKey

HFNKQEVNSGCOJV-OAHLLOKOSA-N

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## Safety Phrases

Classification:

Skin Corrosion/Irritation, Category 2  
Serious Eye Damage/Eye Irritation, Category 1 Danger  
Target Organ Systemic Toxicity (repeated exposure), Category 2  
Toxic To Reproduction, Category 2 Warning  
Acute Toxicity: Oral, Category 4

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:

H315: Causes skin irritation.  
H318: Causes serious eye damage  
H373: May cause damage to organs through prolonged or repeated exposure.  
H361: Suspected of damaging fertility or the unborn child.  
H302: Harmful if swallowed.

Precautionary statements:

P264: Wash hands thoroughly after handling.  
P280: Wear protective gloves/clothing and eye/face protection as specified by the manufacturer/supplier or the competent authority.  
P260: Do not breathe dust/fume/gas/mist/vapours/spray.  
P201: Obtain special instructions before use.  
P202: Do not handle until all safety precautions have been read and understood.  
P281: Use personal protective equipment as required.  
P302+352: IF ON SKIN: Wash with plenty of soap and water.  
P332+313: If skin irritation occurs, get medical advice/attention.  
P362: Take off contaminated clothing and wash before re-use.  
P305+351+338: 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.  
P314: Get medical attentiodvice if you feel unwell.  
P308+313: IF exposed or concerned: Get medical attentiodvice.  
P301+312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P330: Rinse mouth.

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## Cite This Product

Ruxolitinib (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-509)

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## Biological Description

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### Alternative Names

(3R)-3-(4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl)-3-cyclopentylpropanenitrile

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### Research Areas

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

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### PubChem ID

25126798

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### Scientific Background

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Ruxolitinib is a Janus-associated kinases (JAK) inhibitor, which specifically inhibits JAK1 and JAK3. JAKs are known to active the signaling of certain growth factor receptors and cytokines.

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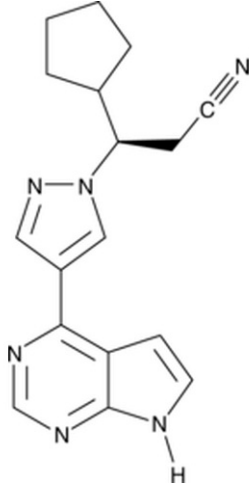
## References

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1. Aittomäki S., & Pesu M. (2014) Basic & Clin. Pharm.Toxic. 114(1): 1823.
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## Product Images

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Chemical structure of Ruxolitinib (SIH-509), a JAK kinase inhibitor. CAS #: 941678-49-5. Molecular Formula: C<sub>17</sub>H<sub>18</sub>N<sub>6</sub>. Molecular Weight: 306.4 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.