



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# Leflunomide

Immunosuppressant  
Catalog No. SIH-368



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

Leflunomide

### Description

Immunosuppressant

### Purity

>98% (TLC: 5:95, CH<sub>3</sub>OH/CH<sub>2</sub>Cl<sub>2</sub>; R<sub>f</sub>=0.65); NMR (Conforms)

### CAS No.

75706-12-6

### Molecular Formula

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

### Molecular Weight

270.21

## Properties

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### Storage Temperature

-20°C

### Shipping Temperature

Shipped Ambient

### Product Type

Inhibitor

### Solubility

May be dissolved in DMSO (30 mg/ml); or Ethanol (27 mg/ml)

### Source

Synthetic

### Appearance

White crystalline solid

### SMILES

CC1=C(C(=NO1)C(=O)NC2=CC=C(C=C2)C(F)(F)F

### InChI

InChI=1S/C12H9F3N2O2/c1-7-10(6-16-19-7)11(18)17-9-4-2-8(3-5-9)12(13,14)15/h2-6H,1H3,(H,17,18)

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## InChIKey

VHOGYURTWQBHIL-UHFFFAOYSA-N

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## Safety Phrases

Classification: Caution: Substance not yet fully tested.

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

Risk Phrases:

R25 Toxic if swallowed

R62 Possible risk of impaired fertility

R63 Possible risk of harm to the unborn child

Hazard Phrases:

H301 Toxic if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation

H335 May cause respiratory irritation

Precautionary Phrases:

P264 Wash hands thoroughly after handling

P280 Wear protective gloves/protective clothing/eye protection/ face protection

P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P308+313 - If exposed or concerned: Get medical advice/attention

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## Cite This Product

Leflunomide (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-368)

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## Biological Description

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### Alternative Names

5-methyl-N-[4-(trifluoromethyl) phenyl]-isoxazole-4-carboxamide

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### Research Areas

Cell Signaling, Neuroscience

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### PubChem ID

3899

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### Scientific Background

Leflunomide is an Immuno-suppressant, it inhibits de novo synthesis of pyrimidine nucleotides and the activity of the protein kinase. It is a part of the known disease-modifying anti-rheumatic drugs (DMARD). It has been suggested that leflunomide modulates the expansion of activated autoimmune lymphocytes acting on the regression of rheumatoid conditions (1-2). It has been shown to have a double mechanism of action by slowing down and relieving the pain of rheumatoid arthritis. Studies have shown the lethal effects of Leflunomide after administration to mice in various doses (3).

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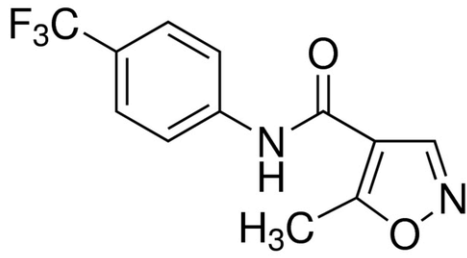
### References

1. Fukushima R., Kanamori S., Hirashiba M., et al. (2007) *Reprod. Toxicol.* 24(3-4): 310-316.
  2. Smolen JS., Emery P. (2000) *Rheumatology.* 39: 48-56.
  3. Fox R.I., Herrman M.L., Franqou C.G., Wahl G.M., Morns R.E., Strand V. and Kirschbaum B.S. (1999) *Clin Immunol* 93(3): 198-208.
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## Product Images

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Chemical structure of Leflunomide (SIH-368), a Immunosupressant. CAS #: 75706-12-6. Molecular Formula: C<sub>12</sub>H<sub>9</sub>F<sub>3</sub>N<sub>2</sub>O<sub>2</sub>. Molecular Weight: 270.21 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.