



# 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

### SZABO-SCANDIC HandelsgmbH

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A-967079  
TRPA1 blocker  
Catalog No. SIH-301

## Overview

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### Product Name

A-967079

### Description

TRPA1 blocker

### Purity

>98%

### CAS No.

1170613-55-4

### Molecular Formula

C11H11FNO

### Molecular Weight

207.3

## Properties

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### Storage Temperature

-20°C

### Shipping Temperature

Shipped Ambient

### Product Type

Inhibitor

### Solubility

Soluble in DMSO (25 mg/ml)

### Source

Synthetic

### Appearance

White solid

### SMILES

CC/C(=NO)/C(=C/C1=CC=C(C=C1)F)/C

### InChI

InChI=1S/C12H14FNO/c1-3-12(14-15)9(2)8-10-4-6-11(13)7-5-10/h4-8,15H,3H2,1-2H3/b9-8+,14-12+

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**InChIKey**

HKROEBDHHKMNZ-CHBKHGQFSA-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

Hazard Phrases:

H302-H315-H317-H318-H335

Precautionary Phrases:

P261-P280-P305 + P351 + P338

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**Cite This Product**

A-967079 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-301)

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**Biological Description**

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**Alternative Names**

(1E,3E)-1-(4-Fluorophenyl)-N-hydroxy-2-methyl-1-penten-3-imine

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**Research Areas**

Ion Channels, Neuroscience, Transient Receptor Potential Channels

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**PubChem ID**

42641861

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**Scientific Background**

A-967079 is a TRPA1 antagonist (1) and cell permeable. It has been found to be a potent blocker of TRPA1 channels. It is an oxime analogue and resembles AP18 from a structural perspective, although it has a methyl addition and a chlorine/fluorine substitution. However, compared with AP18 and HC-030031, A-967079 is significantly more potent (100-fold on human and 24-fold on rat TRPA1) and has a much improved pharmacokinetic profile. A-967079 is also more selective, with >1000-fold selectivity over other TRP channels and >150-fold selectivity over 75 other tested proteins (2).

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**References**

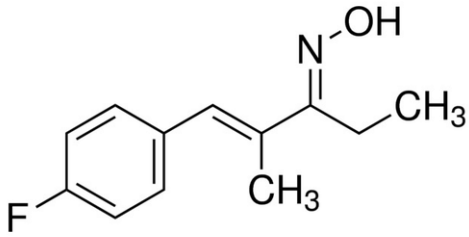
1. McGaraughty S., et al. (2010) Mol Pain. 6: 14. 2. Chen et al. (2011) PAIN. 152: 11651172.

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**Product Images**

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Chemical structure of A-967079 (SIH-301), a TRPA1 blocker. CAS #: 1170613-55-4.  
Molecular Formula: C<sub>12</sub>H<sub>14</sub>FNO. Molecular Weight: 207.3 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.