



# 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

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

# Capsaicin

TRPV1 opener  
Catalog No. SIH-322



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

Capsaicin

### Description

TRPV1 opener

### Purity

>98%

### CAS No.

404-86-4

### Molecular Formula

C11H17NO3

### Molecular Weight

305.41

## Properties

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### Storage Temperature

-20°C

### Shipping Temperature

Shipped Ambient

### Product Type

Inhibitor

### Solubility

Soluble in 100% ethanol, methanol or chloroform; Sparingly soluble in water

### Source

Synthetic

### Appearance

Off-White Solid

### SMILES

CC(C)/C=C/CCCC(=O)NCC1=CC(=C(C=C1)O)OC

### InChI

InChI=1S/C18H27NO3/c1-14(2)8-6-4-5-7-9-18(21)19-13-15-10-11-16(20)17(12-15)22-3/h6,8,10-12,14,20H,4-5,7,9,13H2,1-3H3,(H,19

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**InChIKey**

YKPUWZUDDOIDPM-SOFGYWHQSA-N

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**Safety Phrases**

Classification: Toxic. May be harmful or fatal if inhaled, swallowed or absorbed through skin.

Safety Phrases:

S22 - Do not breathe dust

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

S24/25- Avoid contact with skin and eyes

Risk Phrases:

R25-37/38-41-42/43

Hazard Phrases:

H301-H311-H315-H317-H318-H334-H335

Precautionary Phrases:

P261-P280-P301 + P310-P305 + P351 + P338-P342 + P311

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**Cite This Product**

Capsaicin (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-322)

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**Biological Description**

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**Alternative Names**

(6E)-N-(4-Hydroxy-3-methoxybenzyl)-8-methyl-6-nonenamide, 8-Methyl-N-vanillyl-trans-6-nonenamide

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**Research Areas**

Ion Channels, Neuroscience, Transient Receptor Potential Channels

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**PubChem ID**

1548943

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**Scientific Background**

Capsaicin is an agonist at the TRPV1 receptor, a ligand-gated non-selective cation channel (1, 2). It exhibits neuroprotective effects in a model of transient global cerebral ischemia and induces release of substance P from afferent nociceptive specific neurons (1). Powerful excitant of peripheral sensory nerve endings, specifically unmyelinated afferent neurons (C-fibers). Reversibly inhibits aggregation of platelets (3).

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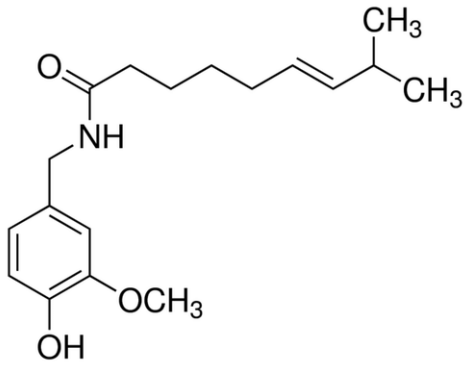
**References**

1. Caterina M.J., et al. (1997) Nature. 389(6653): 816-824.
  2. Story G.M., Crus-Orengo L. (2007) Am Scientist. 95(4): 326-333.
  3. Vaishnava P., Wang D.H. (2003) Curr Med Chem Cardiovasc Hematol Agents. 1(2): 177-188.
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**Product Images**

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Chemical structure of Capsaicin (SIH-322), a TRPV1opener. CAS #: 404-86-4.  
Molecular Formula: C<sub>18</sub>H<sub>27</sub>NO<sub>3</sub>. Molecular Weight: 305.41 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.