



# 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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EX-527

SIRT1 inhibitor  
Catalog No. SIH-353



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

EX-527

### Description

SIRT1 inhibitor

### Purity

>98% (TLC); NMR (Conforms)

### CAS No.

49843-98-3

### Molecular Formula

C<sub>11</sub>H<sub>11</sub>ClN<sub>2</sub>O

### Molecular Weight

248.7

## Properties

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### Storage Temperature

-20°C

### Shipping Temperature

Shipped Ambient

### Product Type

Inhibitor

### Solubility

Soluble in 18 mg/ml DMSO or 10 mg/ml Ethanol

### Source

Synthetic

### Appearance

Light Yellow Solid

### SMILES

C1CC(C2=C(C1)C3=C(N2)C=CC(=C3)Cl)C(=O)N

### InChI

InChI=1S/C13H13ClN2O/c14-7-4-5-11-10(6-7)8-2-1-3-9(13(15)17)12(8)16-11/h4-6,9,16H,1-3H2,(H2,15,17)

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**InChIKey**

FUZYTVDLBBXDL-UHFFFAOYSA-N

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**Safety Phrases**

Classification: Harmful- May be harmful 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

Hazard Statements:

H301 Toxic if swallowed

H319 Causes serious eye irritation

Precautionary Statements:

P301 + P310 If swallowed: Immediately call a POSION Center

P305 + P351 + P338: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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**Cite This Product**

EX-527 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-353)

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**Biological Description**

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**Alternative Names**

6-Chloro-2,3,4,9-tetrahydro-1Hcarbazole-1-carboxamide (racemic)

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**Research Areas**

Cell Signaling, Epigenetics

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**PubChem ID**

5113032

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**Scientific Background**

Selective SIRT1 inhibitor (IC50=98 nM). Does not inhibit other HDACs or SIRT family members. Increases p53 acetylation following DNA damage. Cell permeable.

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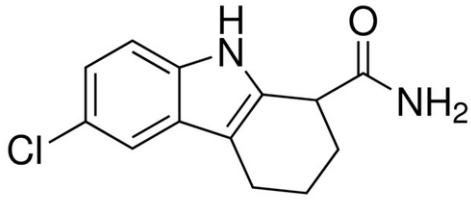
**References**

1. Solomon J.M., et al., (2006) Mol. Cell. Biol. 26: 28.
  2. Anderson J.L., et al., (2011) Mol.Cell 43: 834.
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**Product Images**

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Chemical structure of EX-527 (SIH-353), a SIRT1 inhibitor. CAS #: 49843-98-3.  
Molecular Formula: C<sub>13</sub>H<sub>13</sub>ClN<sub>2</sub>O. Molecular Weight: 248.7 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.