



# SZABO SCANDIC

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## Produktinformation



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Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# Huperzine A

ACH inhibitor  
Catalog No. SIH-365



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

Huperzine A

### Description

ACH inhibitor

### Purity

>95% (HPLC); NMR (conforms)

### CAS No.

102518-79-6

### Molecular Formula

C11H16N2O

### Molecular Weight

242.32

## Properties

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### Storage Temperature

-20°C

### Shipping Temperature

Shipped Ambient

### Product Type

Inhibitor

### Solubility

Soluble in DMSO, methanol or ethanol.

### Source

Synthetic

### Appearance

Off-White solid

### SMILES

C/C=C/[C@@H]2CC3=C([C@]1(CC(=C2)C)N)C=CC(=O)N3

### InChI

InChI=1S/C15H18N2O/c1-3-11-10-6-9(2)8-15(11,16)12-4-5-14(18)17-13(12)7-10/h3-6,10H,7-8,16H2,1-2H3,(H,17,18)/b11-3+/t10?,15-/m1/

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**InChIKey**

ZRJBHWIHUMBLCN-JYXJEATCSA-N

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**Safety Phrases**

Classification: Toxic

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:

H301+ H311 +H331 Toxic if swallowed, in contact with skin or inhaled

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation.

Precautionary Phrases:

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 - Wear protective gloves/protective clothing.

P301+ P310 IF SWALLOWED: Immediately call POISON CENTER or doctor/physician.

P305+ P351+ P338 IF IN EYES: rinse cautiously with water for several minutes. If wearing contact lenses remove them and continue to rinse.

P311 call a POISON CENTER or doctor/physician

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**Cite This Product**

Huperzine A (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-365)

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**Biological Description**

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**Alternative Names**(1R,9S,13E)- 1-Amino- 13-ethylidene- 11-methyl- 6-azatricyclo[7.3.1.0<sup>2,7</sup>] trideca- 2(7),3,10- trien- 5-one

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**Research Areas**

Glutamate Receptors, Ion Channels, Neuroscience, Neurotransmitter Receptors, NMDA Receptors

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**PubChem ID**

44461111

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**Scientific Background**

Huperzine A is an acetylcholinesterase inhibitor. It is known for enhancing learning and memory by protecting a neurotransmitter molecule in the brain. Huperzine is also a NMDA glutamate receptor antagonist (1-2). The effects on the treatment of Alzheimers disease is under studies (1-3). Recent studies of Huperzine A highlight the potential therapeutic use for dementia by slowing down the neuronal cell death caused by glutamate (4).

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**References**

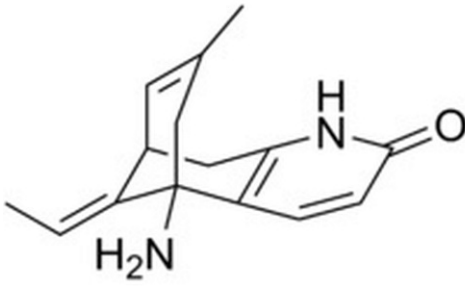
1. Bai DL., Tang Xc., He YC., Curr MedChem. (2000) 7(3): 355-74.
2. Tang L., Wang r., Tang x., (2005) Acta Acta Pharmacologica 26(6): 673-678.
3. Ved Hs., Koenig ml., Dave JR., Doctor BP.(1997) Neuroreport. 8(4): 963-8.
4. Li WM., Kan KK., Carlier PR., Pang YP., Han YF. YF., (2007) Curr Alzheimer Res. 4: 386-396.

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**Product Images**

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Chemical structure of Huperzine A (SIH-365), a ACh inhibitor. CAS #: 102518-79-6.  
Molecular Formula: C<sub>15</sub>H<sub>18</sub>N<sub>2</sub>O. Molecular Weight: 242.32 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.