



# 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

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# Verapamil HCl

L-type Ca channel blocker  
Catalog No. SIH-308



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

Verapamil HCl

### Description

L-type Ca channel blocker

### Purity

>98%

### CAS No.

152-11-4

### Molecular Formula

C<sub>17</sub>H<sub>18</sub>N<sub>2</sub>O<sub>4</sub>·HCl

### Molecular Weight

491.07

## Properties

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### Storage Temperature

-20°C

### Shipping Temperature

Shipped Ambient

### Product Type

Inhibitor

### Solubility

Soluble to 100 mM in ethanol and to 50 mM in water

### Source

Synthetic

### Appearance

White Solid

### SMILES

CC(C)C(CCCN(C)CCC1=CC(=C(C=C1)OC)OC)(C#N)C2=CC(=C(C=C2)OC)OC.Cl

### InChI

InChI=1S/C27H38N2O4.ClH/c1-20(2)27(19-28,22-10-12-24(31-5)26(18-22)33-7)14-8-15-29(3)16-13-21-9-11-23(30-4)25(17-21)32-6;/h9-1

2,17-18,

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### InChIKey

DOQPXTMNIUCOSY-UHFFFAOYSA-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

S24/25 - Avoid contact with skin and eyes

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

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

Risk Phrases:

R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed

R60 - May impair fertility

R61 - May cause harm to the unborn child

R68 - Possible risk of irreversible effects

Hazard Phrases:

H301-H311-H331

Precautionary Phrases:

P261-P280-P301 + P310-P311

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### Cite This Product

Verapamil HCl (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-308)

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## Biological Description

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### Alternative Names

2-(3,4-Dimethoxyphenyl)-5-[[2-(3,4-dimethoxyphenyl)ethyl](methyl)amino]-2-isopropylpentanenitrile hydrochloride (1:1)

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### Research Areas

Calcium Channels, Ion Channels, Neuroscience, Voltage-Gated Calcium Channels

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### PubChem ID

62969

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### Scientific Background

Verapamil is an L-type calcium channel blocker of the phenylalkylamine class. It has been used in the treatment of hypertension, angina pectoris, cardiac arrhythmia, and cluster headaches. Its mechanism is to block voltage-dependent calcium channels (1).

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### References

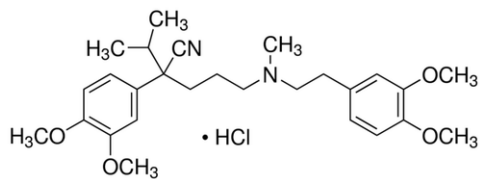
1. Livesley B., and Oram S. (1972) Br Med J. 2(5804): 50.

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## Product Images

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Chemical structure of Verapamil HCl (SIH-308), a L-type Ca channel blocker. CAS #: 152-11-4. Molecular Formula: C<sub>27</sub>H<sub>38</sub>N<sub>2</sub>O<sub>4</sub>.HCl. Molecular Weight: 491.07 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.