



# 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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# Nicardipine HCl

L-type Ca channel blocker  
Catalog No. SIH-313



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

Nicardipine HCl

### Description

L-type Ca channel blocker

### Purity

>98%

### CAS No.

54527-84-3

### Molecular Formula

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

### Molecular Weight

515.99

## Properties

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### Storage Temperature

-20°C

### Shipping Temperature

Shipped Ambient

### Product Type

Inhibitor

### Solubility

Soluble in DMSO (1 mg/ml), ethanol:water 25:75-70:30, propylene glycol, or methanol; slightly soluble in acetone, 100% ethanol, chloroform and water.

### Source

Synthetic

### Appearance

Yellow solid

### SMILES

CC1=C(C(C(=C(N1)C)C(=O)OCCN(C)CC2=CC=CC=C2)C3=CC(=CC=C3)[N+](=O)[O-])C(=O)OC.Cl

### InChI

InChI=1S/C26H29N3O6.ClH/c1-17-22(25(30)34-4)24(20-11-8-12-21(15-20)29(32)33)23(18(2)27-17)26(31)35-14-13-28(3)16-19-9-6-5-7-10-19;/h5-12,15,24,27H,13-14,16H2,1-4H3;1H

### InChIKey

AIKVCUNQWYTVTO-UHFFFAOYSA-N

### 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 label where possible)

Risk Phrases:

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

Hazard Phrases:

H301-H311-H331

Precautionary Phrases:

P261-P280-P301 + P310-P311

### Cite This Product

Nicardipine HCl (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-313)

## Biological Description

### Alternative Names

2-[Benzyl(methyl)amino]ethyl methyl 2,6-dimethyl-4-(3-nitrophenyl)-1,4-dihydro-3,5-pyridinedicarboxylate hydrochloride (1:1)

### Research Areas

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

### PubChem ID

41114

### Scientific Background

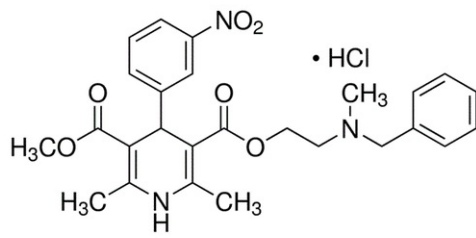
Nicardipine is a dihydropyridine calcium-channel blocking agent used for the treatment of vascular disorders such as chronic stable angina, hypertension and Raynauds phenomenon. Its mechanism of action is to inhibit the transmembrane influx of calcium ions into the cardiac muscle and smooth muscle without changing the serum calcium concentrations.

### References

1. Huang R.I., et al. (2006) Catheter Cardiovasc Interv. 68(5): 671-676.

## Product Images

Chemical structure of Nicardipine HCl (SIH-313), a L-type Ca channel blocker. CAS #: 54527-84-3. Molecular Formula: C<sub>26</sub>H<sub>29</sub>N<sub>3</sub>O<sub>6</sub> · HCl. Molecular Weight: 515.99 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.