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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Nitrendipine

L-type Ca channel blocker
Catalog No. SIH-320



Discovery through partnership | Excellence through quality

Overview

Product Name

Nitrendipine

Description

L-type Ca channel blocker

Purity

>98%

CAS No.

39562-70-4

Molecular Formula

C₁₈H₁₈N₂O₆

Molecular Weight

360.37

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble to 25 mM in ethanol and to 50 mM in DMSO

Source

Synthetic

Appearance

Yellow Crystalline Solid

SMILES

CCOC(=O)C1=C(NC(=C(C1C2=CC(=CC=C2)[N+](=O)[O-])C(=O)OC)C

InChI

InChI=1S/C18H20N2O6/c1-5-26-18(22)15-11(3)19-10(2)14(17(21)25-4)16(15)12-7-6-8-13(9-12)20(23)24/h6-9,16,19H,5H2,1-4H3

InChIKey

PVHUJELLJLJGLN-UHFFFAOYSA-N

Safety Phrases

Classification: Caution: Substance not fully tested yet.

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:

R62 - Possible risk of impaired fertility

Hazard Phrases:

H312-H332

Precautionary Phrases:

P280

Cite This Product

Nitrendipine (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-320)

Biological Description

Alternative Names

Ethyl methyl 2,6-dimethyl-4-(3-nitrophenyl)-1,4-dihydro-3,5-pyridinedicarboxylate

Research Areas

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

PubChem ID

11931106

Scientific Background

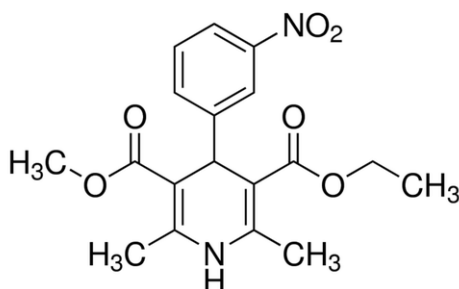
Nitrendipine is a dihydropyridine calcium channel blocker. It does so by binding effectively with the L-type calcium channels in smooth muscles thereby inactivating it and reducing the influx of calcium.

References

1. Peterson B.Z., Tanada T.N., Catterall W.A. (1996) J Biol Chem. 271: 5293-5296.

Product Images

Chemical structure of Nitrendipine (SIH-320), a L-type Ca channel blocker. CAS #: 39562-70-4. Molecular Formula: C₁₈H₂₀N₂O₆. Molecular Weight: 360.37 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.