



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

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Felodipine

L-type Ca channel blocker
Catalog No. SIH-323



Discovery through partnership | Excellence through quality

Overview

Product Name

Felodipine

Description

L-type Ca channel blocker

Purity

>98% (TLC); NMR (Conforms)

CAS No.

72509-76-3

Molecular Formula

C₁₈H₁₉Cl₂N₂O₄

Molecular Weight

384.25

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble to 100 mM in ethanol and to 100 mM in DMSO

Source

Synthetic

Appearance

Light Yellow Solid

SMILES

CCOC(=O)C1=C(NC(=C(C1C2=C(C(=CC=C2)Cl)Cl)C(=O)OC)C

InChI

InChI=1S/C18H19Cl2NO4/c1-5-25-18(23)14-10(3)21-9(2)13(17(22)24-4)15(14)11-7-6-8-12(19)16(11)20/h6-8,15,21H,5H2,1-4H3

InChIKey

RZTAMFZIAATZDJ-UHFFFAOYSA-N

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

Risk Phrases:

R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed

R62 - Possible risk of impaired fertility

Hazard Phrases:

H302

Cite This Product

Felodipine (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-323)

Biological Description

Alternative Names

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

Research Areas

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

PubChem ID

3333

Scientific Background

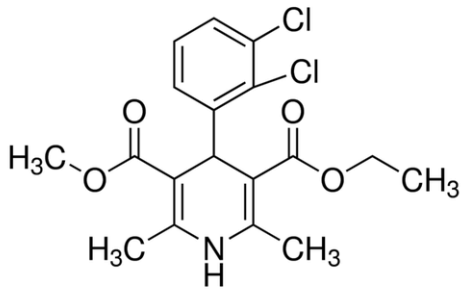
Felodipine is an L-type Ca²⁺ channel blocker (1). In isolated rat ventricular myocytes, using a whole-cell patch-clamp technique, it displays a K_i of 11 nM (2). It is a clinically useful antihypertensive agent (3) which attenuates the hypertrophic effect of cyclosporine on transplanted hearts (4).

References

1. Furakawa T., et al. (2005) J Cardiovasc. Pharmacol. 45(3): 241-246.
 2. Zahradnikova Z., Minarovic I., Zahradnik I. (2007) J Pharmacol Exp. Ther. 322(2): 638-645.
 3. Manzo B.A., Matalka M.S., Ravnán S.L. (2003) Pharmacotherapy. 23(11): 1508-1512.
 4. Schwitter J., et al. (1999) J Heart Lung Transplant. 18(10): 1003-1013.
-

Product Images

Chemical structure of Felodipine (SIH-323), a L-type Ca channel blocker. CAS #: 72509-76-3. Molecular Formula: C₁₈H₁₉Cl₂NO₄. Molecular Weight: 384.25 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.