Overview

Product name: Nilvadipine
Description: Potent L-type calcium channel blocker
Biological description: Potent L-type calcium channel blocker \((IC_{50} = 0.03 \text{ nM})\). Antiantherogenic \textit{in vitro} and antihypertensive \textit{in vivo}.
Purity: > 99%

Properties

Chemical name: 2-Cyano-1,4-dihydro-6-methyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylic acid 3-methyl 5-(1-methylethyl) ester
Molecular weight: 385.38
Chemical structure:

![Chemical structure of Nilvadipine](image)

Molecular formula: \(C_{19}H_{19}N_3O_6\)
CAS Number: 75530-68-6
PubChem identifier: 4494

Storage instructions: Store at Room Temperature. The product can be stored for up to 12 months.
Solubility overview: Soluble in DMSO to 100 mM and in ethanol to 100 mM

Handling:
Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

SMILES: CC=1NC(C#N)=C(C(C=1C(=O)OC(C(C)c2ccccc(c2)[N+]([O-])[O]O)=O)OC)

Source: Synthetic

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"
Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
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