Hello Bio, Inc.
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500
F. 609-228-4994

customercare-usa@hellobio.com

DATASHEET

Felodipine

Product overview

Name	Felodipine
Cat No	HB1222
Biological action	Blocker
Purity	>98%
Description	Selective L-type VOCC blocker

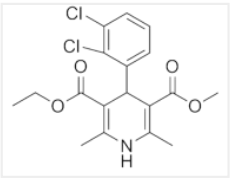
Biological Data

Biological description	Selective L-type voltage-operated calcium channel (VOCC) blocker (pIC_{50} = 8.30 mM). Exhibits selectivity for L-type channels over L-, N-, P/Q-, and R-type channels. Displays vascular relaxant, vascular protective, antihypertensive and antianginal properties.

Solubility & Handling

Storage instructions	+4°C
Solubility overview	Soluble in DMSO (100mM) or ethanol (100mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	4-(2,3-Dichlorophenyl)-1,4-dihydro-2,6-dimethyl-3,5-pyridinedicarboxylic acid ethyl methyl ester
Molecular Weight	384.25
Chemical structure	
Molecular Formula	$C_{18}H_{19}Cl_2NO_4$
CAS Number	72509-76-3
PubChem identifier	3333
SMILES	ClC1=C(Cl)C(C2C(C(OC)=O)=C(C)NC(C)=C2C(OCC)=O)=CC=C1
InChiKey	RZTAMFZIAATZDJ-UHFFFAOYSA-N

References

Quantitative analysis of vascular to cardiac selectivity of L- and T-type voltage-operated calcium channel antagonists in human tissues.

Angus JA *et al* (2000) Clin Exp Pharmacol Physiol 27(12)
PubMedID 11117223

Felodipine inhibits free-radical production by cytokines and glucose in human smooth muscle cells.

Hishikawa K *et al* (1998) Hypertension 32(6)
PubMedID 9856965

Selectivities of dihydropyridine derivatives in blocking Ca(2+) channel subtypes expressed in Xenopus oocytes.

Furukawa T *et al* (1999) J Pharmacol Exp Ther 291(2)
PubMedID 10525060

Human vascular to cardiac tissue selectivity of L- and T-type calcium channel antagonists.

Sarsero D *et al* (1998) Br J Pharmacol 125(1)
PubMedID 9776350