



Product Information

Calcium channel inhibitor Nisoldipine, Purity $\geq 98\%$

Cat. No.: X24-07-ZQ296

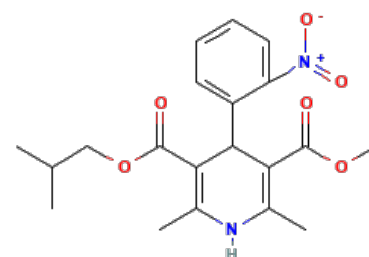
Size: 500 mg; 1 g; 2 g; 5 g

MDL: MFCD00478055

CAS Number: 63675-72-9

Compound CID: 4499

Synonym: 63675-72-9; Calcium channel inhibitor; BAY-k 5552; BAY-k5552; BAY-k-5552



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	Nisoldipine, soluble in DMSO and warmed ethanol and insoluble in water, blocks the entry of calcium into cells, particularly in the heart and blood vessels.
Molecular Weight	388.41
Molecular Formula	C ₂₀ H ₂₄ N ₂ O ₆
IUPAC Name	3-O-methyl 5-O-(2-methylpropyl) 2,6-dimethyl-4-(2-nitrophenyl)-1,4-dihydropyridine-3,5-dicarboxylate
InChI	InChI=1S/C20H24N2O6/c1-11(2)10-28-20(24)17-13(4)21-12(3)16(19(23)27-5)18(17)14-8-6-7-9-15(14)22(25)26/h6-9,11,18,21H,10H2,1-5H3
InChI Key	VKQFCGNPDRICFG-UHFFFAOYSA-N
Canonical SMILES	<chem>CC1=C(C(C(=C(N1)C)C(=O)OCC(C)C)C2=CC=CC=C2[N+](=O)[O-])C(=O)OC</chem>
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 72 mg/mL (185.37 mM); Water: Insoluble; Warmed ethanol: 56 mg/mL (144.17 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	Nisoldipine acts as a calcium channel inhibitor, with research focusing on its antihypertensive and cardioprotective properties.
Storage	Store at -20°C, and keep desiccated.



CD BioGlyco

SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA

Tel: 1-631-637-6119 | Email: info@bioglyco.com
