

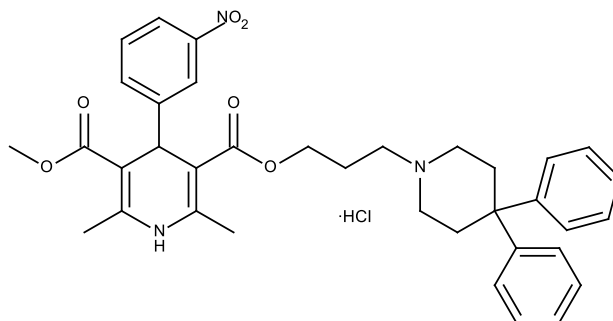


Catalog # 10-1215

(±)-Niguldipine HCl

CAS# 113317-61-6

Lot# L102015



L-type calcium channel blocker (IC_{50} = 75 nM), which can also inhibit T-type calcium channels at higher concentrations (IC_{50} = 244 nM). Novel inhibitor of drug transport by p-glycoprotein.

- 1) Stengel *et al.* (1998), *Different potencies of dihydropyridine derivatives in blocking T-type but not L-type Ca^{2+} channels in neuroblastoma-glioma hybrid cells*; Eur. J. Pharmacol., **342** 339
- 2) Holtt *et al.* (1992), *Stereoisomers of calcium antagonists which differ markedly in their potencies as calcium blockers are equally effective in modulating drug transport by P-glycoprotein*; Biochem. Pharmacol., **43** 2601

PHYSICAL DATA

Molecular Weight:	646.17
Molecular Formula:	$C_{36}H_{39}N_3O_6 \cdot HCl$
Purity:	98%
	NMR: (Conforms)
Solubility:	DMSO (up to 25 mg/mg), methanol (up to 25 mg/ml)
Physical Description:	Yellow solid
Storage and Stability:	Store as supplied at room temperature for up to 1 year from the date of purchase. Solutions in DMSO or methanol may be stored at -20°C for up to 3 months.

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