(±)-Niguldipine HCl

Catalog # 10-1215

CAS# 113317-61-6
Lot# L102015

L-type calcium channel blocker (IC50 = 75 nM), which can also inhibit T-type calcium channels at higher concentrations (IC50 = 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 Ca2+ channels in neuroblastoma-glioma hybrid cells*; Eur. J. Pharmacol., 342 339
2) Hollt 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: C36H39N3O6 · 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.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.

Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462  
www.focusbiomolecules.com