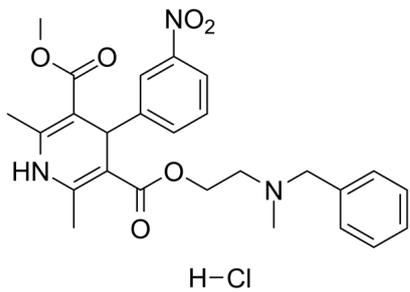


Certificate of Analysis

Catalog Number	BP12733
Product Name	Nicardipine hydrochloride

Physical and Chemical Properties

Synonyms	YC-93 Hydrochloride, Nicardipine HCl, RS-69216
CAS No.	54527-84-3
Chemical Formula	C ₂₆ H ₃₀ ClN ₃ O ₆
Molecular Weight	515.99
Solubility	Ethanol: <1 mg/mL DMSO: 93 mg/mL (180.2 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	 <p style="text-align: center;">H-Cl</p>

Product Information

Description	Nicardipine Hydrochloride is the hydrochloride salt form of nicardipine, a synthetic derivative of nitrophenyl-pyridine and potent calcium channel blocker, Nicardipine (Nifedipine Family) blocks calcium ions from certain cell walls and inhibits contraction of coronary and peripheral arteries, resulting in lowered oxygen requirements for heart muscle and decreased arterial contraction and spasm. It is used clinically as a cerebral and coronary vasodilator.
Targets&IC50	cardiac calcium channels:1 μ M (IC50)

Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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