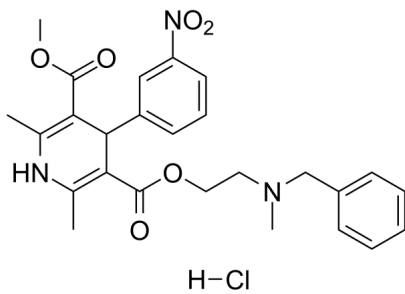


## Certificate of Analysis

|                |                           |
|----------------|---------------------------|
| 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 <sub>26</sub> H <sub>30</sub> ClN <sub>3</sub> O <sub>6</sub>                                  |
| Molecular Weight                         | 515.99   |
| Solubility                               | Ethanol: <1 mg/mL<br>DMSO: 93 mg/mL (180.2 mM)   |
| Storage                                  | Powder: -20°C for 2 years<br>In solvent: -80°C for 1 year  |
| Chemical Structure<br>OR<br>Tested Image |  <p>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 $\mu$ 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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