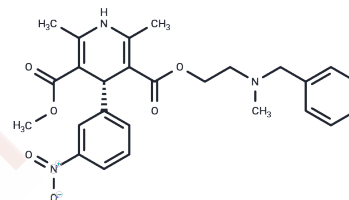


(R)-Nicardipine

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 76093-35-1 |
| Formula: | C ₂₆ H ₂₉ N ₃ O ₆ |
| Molecular Weight: | 479.53 |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA. |



Biological Description

| | |
|----------------------------|--|
| Description | (R)-Nicardipine is the less active R enantiomer of Nicardipine. Nicardipine is a blocker of calcium channel(IC ₅₀ of 1 μM for blocking cardiac calcium channels). |
| Targets(IC ₅₀) | Others, Calcium Channel |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.0854 mL | 10.4269 mL | 20.8538 mL |
| 5 mM | 0.4171 mL | 2.0854 mL | 4.1708 mL |
| 10 mM | 0.2085 mL | 1.0427 mL | 2.0854 mL |
| 50 mM | 0.0417 mL | 0.2085 mL | 0.4171 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Charnet P, et al. Electrophysiological analysis of the action of nifedipine and nicardipine on myocardial fibers. *Fundam Clin Pharmacol.* 1987;1(6):413-31.

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