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**Product Data Sheet**

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Product Name: (R)-Nicardipine

Cat. No.: GC68475

**Chemical Properties**

Cas. No. 76093-35-1

Formula  $C_{26}H_{29}N_3O_6$  M.Wt 479.52

Solubility DMSO : 200 mg/mL (417.08 mM; ultrasonic and warming and heat to 60°C) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

(R)-Nicardipine ((R)-YC-93 free base) is the less active R enantiomer of Nicardipine. Nicardipine (YC-93) is a **Calcium Channel** blocker with an **IC<sub>50</sub>** of 1 μM for blocking cardiac calcium channels. Nicardipine acts as an agent for chronic stable angina and for controlling blood pressure<sup>[1]</sup>.

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

**Caution: Product has not been fully validated for medical applications. For research use only.**

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