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**Product Data Sheet**

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Product Name: Nicardipine-d3 hydrochloride

Cat. No.: GC64870

**Chemical Properties**

Cas. No. 1432061-50-1

Formula C<sub>26</sub>H<sub>27</sub>D<sub>3</sub>CIN<sub>3</sub>O<sub>6</sub>

M.Wt 519

Solubility H<sub>2</sub>O : 0.1 mg/mL (0.19 mM; Need ultrasonic and warming)

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**

Nicardipine D3 hydrochloride (YC-93 D3) is the deuterium labeled Nicardipine hydrochloride. Nicardipine hydrochloride is a calcium channel blocker with an IC<sub>50</sub> of 1 μM for blocking cardiac calcium channels. Nicardipine hydrochloride acts as an agent for chronic stable angina and for controlling blood pressure[1].

[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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