



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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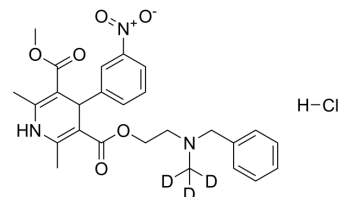
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## Nicardipine-d<sub>3</sub> hydrochloride

|                    |                                                                                                                              |
|--------------------|------------------------------------------------------------------------------------------------------------------------------|
| Cat. No.:          | HY-12515AS                                                                                                                   |
| CAS No.:           | 1432061-50-1                                                                                                                 |
| Molecular Formula: | C <sub>26</sub> H <sub>27</sub> D <sub>3</sub> ClN <sub>3</sub> O <sub>6</sub>                                               |
| Molecular Weight:  | 519                                                                                                                          |
| Target:            | Calcium Channel                                                                                                              |
| Pathway:           | Membrane Transporter/Ion Channel; Neuronal Signaling                                                                         |
| Storage:           | <div>Powder    -20°C    3 years</div> <div>In solvent   -80°C    6 months</div> <div>                 -20°C    1 month</div> |



### SOLVENT & SOLUBILITY

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

### BIOLOGICAL ACTIVITY

|             |                                                                                                                                                                                                                                                                                                                                                      |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | Nicardipine-d <sub>3</sub> (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]. |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### REFERENCES

[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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