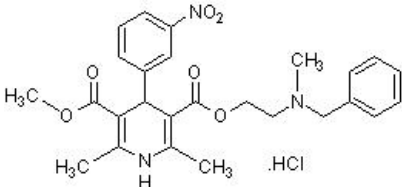


# Nicardipine hydrochloride, L-type Ca<sup>2+</sup> channel antagonist ab120531

画像数 2

### 製品の概要

製品名	Nicardipine hydrochloride, L-type Ca <sup>2+</sup> channel antagonist
製品の詳細	L-type Ca <sup>2+</sup> channel antagonist
生理活性の詳細	Selective, L-type Ca <sup>2+</sup> channel blocker (IC <sub>50</sub> = 24.1 μM). Dihydropyridine derivative. Potent coronary and cerebral vasodilator.
精製度	> 97%
CAS 番号	54527-84-3
構造式	

### 製品の特性

体系名	1,4-Dihydro-2,6-dimethyl-4-(3-nitrophenyl)methyl-2-[methyl(phenylmethyl)amino]-3,5-pyridinedicarboxylic acid ethyl ester hydrochloride
分子量	515.99
分子式	C <sub>26</sub> H <sub>29</sub> N <sub>3</sub> O <sub>6</sub> ·HCl
保存方法	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解性	Soluble in DMSO to 100 mM
使用に関する注意	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Toxic, refer to SDS for further information.</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>

由来

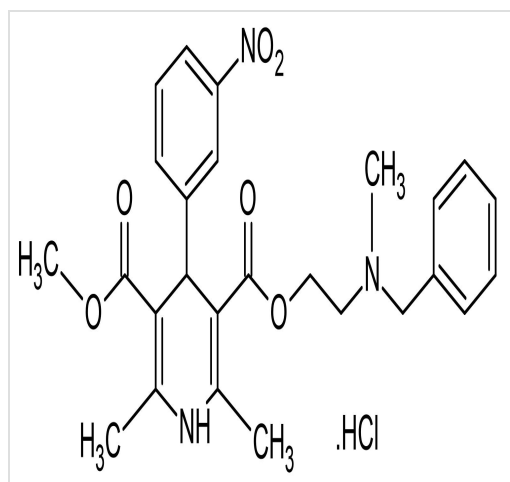
Synthetic

## アプリケーション

**The Abpromise guarantee** Abpromise保証は、次のテスト済みアプリケーションにおけるab120531の使用に適用されます  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

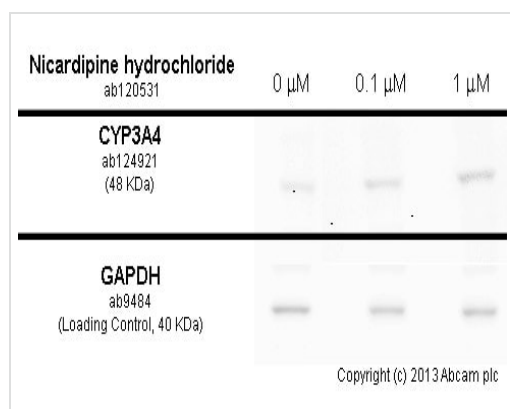
アプリケーション	Abreviews	特記事項
Functional Studies		Use at an assay dependent concentration.

## 画像



Chemical Structure - Nicardipine hydrochloride, L-type Ca<sup>2+</sup> channel antagonist (ab120531)

2D chemical structure image of ab120531, Nicardipine hydrochloride, L-type Ca<sup>2+</sup> channel antagonist



Western blot - Nicardipine hydrochloride, L-type Ca<sup>2+</sup> channel antagonist (ab120531)

HepG2 cells were incubated at 37°C for 48h with vehicle control (0 μM) and different concentrations of nicardipine hydrochloride (ab120531) in DMSO. Increased expression of cytochrome P450 3A4 (**ab124921**) correlates with an increase in nicardipine hydrochloride concentration, as described in literature.

Whole cell lysates were prepared with RIPA buffer (containing protease inhibitors and sodium orthovanadate), 10 μg of each were loaded on the gel and the WB was run under reducing conditions. After transfer the membrane was blocked for an hour using 5% BSA before being incubated with **ab124921** at 1/10000 dilution and **ab9484** at 1 μg/ml overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP (**ab97051**) at 1/10000 dilution and visualised using ECL development solution.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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