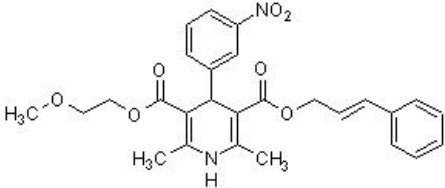


Product datasheet

# Cilnidipine, Dual L- and N-type Ca<sup>2+</sup> channel blocker ab141038

Overview

<b>Product name</b>	Cilnidipine, Dual L- and N-type Ca <sup>2+</sup> channel blocker
<b>Description</b>	Dual L- and N-type Ca <sup>2+</sup> channel blocker
<b>Biological description</b>	Dual L- and N-type Ca <sup>2+</sup> channel blocker (IC <sub>50</sub> values are 100 and 200 nM, respectively). Shows antihypertensive, antinociceptive and neuroprotective effects.
<b>Purity</b>	> 98%
<b>CAS Number</b>	132203-70-4
<b>Chemical structure</b>	

Properties

<b>Chemical name</b>	1,4-Dihydro-2,6-dimethyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylic acid 2-methoxyethyl (2E)-3-phenyl-2-propenyl ester
<b>Molecular weight</b>	492.53
<b>Molecular formula</b>	C <sub>27</sub> H <sub>28</sub> N <sub>2</sub> O <sub>7</sub>
<b>Storage instructions</b>	Store at -20°C. It is important to note that this product is reported to be light sensitive. Store in the Dark. Store under desiccating conditions.
<b>Solubility overview</b>	Soluble in DMSO to 100 mM and in ethanol to 20 mM
<b>Handling</b>	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.  Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.
<b>SMILES</b>	<chem>CC=1NC(C)=C(C(C=1C(=O)OCCOC)c2cccc(c2)[N+][O-])C(=O)OC/C=C/c3ccccc3</chem>
<b>Source</b>	Synthetic

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

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- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
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If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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