

## Product datasheet

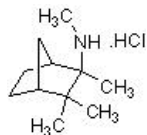
# Mecamylamine hydrochloride, non-competitive antagonist of nicotinic receptors ab120459

[3 References](#) [1 Image](#)

### Overview

<b>Product name</b>	Mecamylamine hydrochloride, non-competitive antagonist of nicotinic receptors
<b>Description</b>	Non-competitive antagonist of nicotinic receptors
<b>Biological description</b>	Non-competitive, non-selective antagonist of nicotinic acetylcholine receptors (nAChRs). Blood-brain barrier permeable. Blocks various different nAChR types, (IC <sub>50</sub> values are 640 nM, 2.5 μM, 3.6 μM and 6.9 μM at α3β4, α4β2, α3β2 and α7 receptors, respectively). Blocks most physiological, behavioural and reinforcing effects of nicotine. Displays antidepressant-like effects in mice.
<b>CAS Number</b>	826-39-1

### Chemical structure



### Properties

<b>Chemical name</b>	<i>N</i> ,2,3,3-Tetramethylbicyclo[2.2.1]heptan-2-amine hydrochloride
<b>Molecular weight</b>	203.75
<b>Molecular formula</b>	C <sub>11</sub> H <sub>21</sub> N.HCl
<b>PubChem identifier</b>	13221
<b>Storage instructions</b>	Store at Room Temperature. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in water to 100 mM and in DMSO to 75 mM
<b>Handling</b>	<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</a></p>

[questions \(FAQ\) page](#) for more details.

**SMILES**

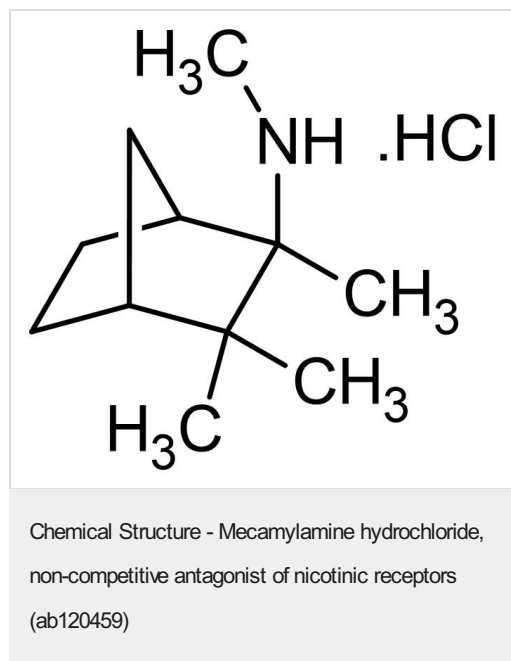
Cl.CNC2(C)C1CCC(C1)C2(C)C

**Source**

Synthetic

## Images

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2D chemical structure image of ab120459, Mecamylamine hydrochloride, non-competitive antagonist of nicotinic receptors

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

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