

## Product datasheet

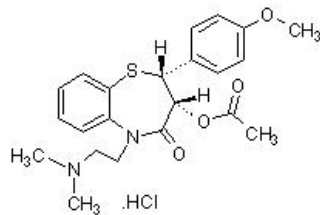
# L-cis-Diltiazem, cyclic nucleotide-gated channel blocker ab120532

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

### Overview

<b>Product name</b>	L-cis-Diltiazem, cyclic nucleotide-gated channel blocker
<b>Description</b>	Selective cyclic nucleotide-gated channel blocker
<b>Biological description</b>	Selective inhibitor of cyclic nucleotide-gated (CNG) channels. Blocks rod-type CNGA1, olfactory-type CNGA2 and cone-type CNGA3, at micromolar concentrations. Optical isomer of diltiazem ( <a href="#">ab120260</a> ). Protects against myocardial dysfunction <i>in vitro</i> .
<b>CAS Number</b>	42399-54-2

### Chemical structure



### Properties

<b>Chemical name</b>	(2R,3R)-(-)-cis-3-Acetoxy-5-(2-dimethylaminoethyl)-2,3-dihydro-2-(4-methoxyphenyl)-1,5-benzothiazepin-4(5H)-one hydrochloride
<b>Molecular weight</b>	450.98
<b>Molecular formula</b>	C <sub>22</sub> H <sub>26</sub> N <sub>2</sub> O <sub>4</sub> S.HCl
<b>PubChem identifier</b>	198106
<b>Storage instructions</b>	Store at Room Temperature. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in water to 100 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.  Refer to SDS for further information.  Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked</a>

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

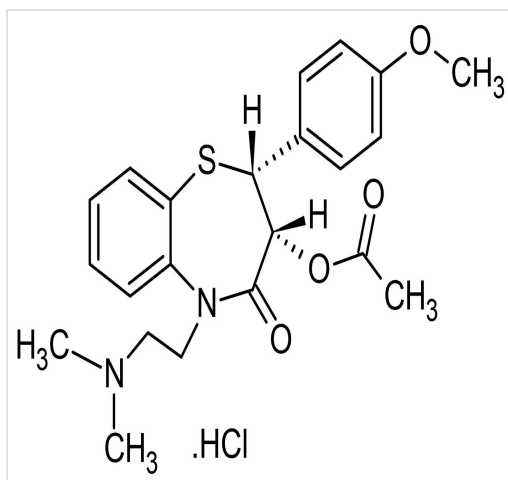
**SMILES**

CC(=O)O[C@H]1[C@H](SC2=CC=CC=C2N(C1=O)CCN(C)C)C3=CC=C(C=C3)OC.Cl

**Source**

Synthetic

## Images



Chemical Structure - L-cis-Diltiazem, cyclic nucleotide-gated channel blocker (ab120532)

2D chemical structure image of ab120532, L-cis-Diltiazem, cyclic nucleotide-gated channel blocker

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

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