

Product datasheet

Diltiazem, L-type Ca²⁺ channel antagonist ab120260

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

Overview

Product name Diltiazem, L-type Ca²⁺ channel antagonist

Description L-type Ca²⁺ channel antagonist

Biological description L-type Ca²⁺ channel antagonist. Coronary vasodilator.

Also available in simple stock solutions ([ab146694](#)) - add 1 ml of water to get an exact, ready-to-use concentration.

CAS Number 33286-22-5

Chemical structure



Properties

Chemical name (2S,3S)-(+)-*cis*-3-Acetoxy-5-(2-dimethylaminoethyl)-2,3-dihydro-2-(4-methoxyphenyl)-1,5-benzothiazepin-4(5*H*)-one hydrochloride

Molecular weight 450.98

Molecular formula C₂₂H₂₆N₂O₄S.HCl

PubChem identifier 62920

Storage instructions Store at Room Temperature. The product can be stored for up to 12 months.

Solubility overview Soluble in water to 100 mM

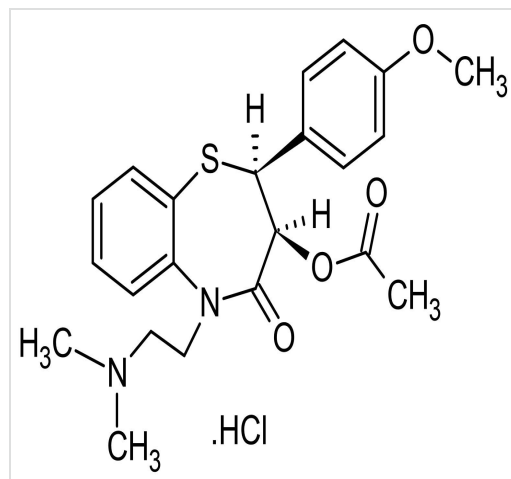
Handling Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Toxic, refer to SDS for further information

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

SMILESCl.CN(C)CCN2c3ccccc3S[C@@H](c1ccc(OC)cc1)[C@@H](OC(C)=O)C2=O**Source**

Synthetic

Images

Chemical Structure - Diltiazem, L-type Ca²⁺ channel antagonist (ab120260)

2D chemical structure image of ab120260, Diltiazem, L-type Ca²⁺ channel antagonist

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