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

Overview

Product name: L-cis-Diltiazem, cyclic nucleotide-gated channel blocker

Description: Selective cyclic nucleotide-gated channel blocker

Biological description: 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 (ab120260). Protects against myocardial dysfunction in vitro.

Purity: > 97%

CAS Number: 42399-54-2

Chemical structure:

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

Molecular weight: 450.98

Molecular formula: C_{22}H_{26}N_{2}O_{4}S.HCl

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.

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

Source: 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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- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours

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