abcam

Product datasheet

NNC 55-0396 dihydrochloride ab120265

4 References

Overview

Product name NNC 55-0396 dihydrochloride

Description Highly selective T-type Ca²⁺ channel blocker

Biological description Highly selective T-type Ca^{2+} channel blocker. IC_{50} values are 6.8 and >100 μ M for $Ca_v3.1$ T-type

channels and HVA currents, respectively. Crosses the blood-brain barrier.

Purity > 99%

Properties

Chemical name (1S,2S)-2-[2-[[3-(1H-Benzimidazol-2-yl)propyl]methylamino]ethyl]-6-fluoro-1,2,3,4-tetrahydro-1-(1-

methylethyl)-2-naphthalenyl cyclopropanecarboxylate dihydrochloride

Molecular weight 564.57

Chemical structure

Molecular formula C₃₀H₃₈FN₃O₂.2HCl

CAS Number 357400-13-6

Storage instructions Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12

months.

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 AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"

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