

Product datasheet

NNC 55-0396 dihydrochloride, Highly selective T-type Ca^{2+} channel blocker ab120265

4 References

Overview

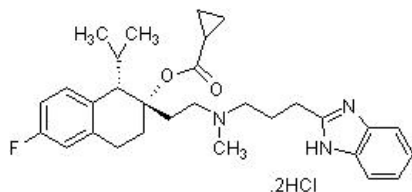
Product name	NNC 55-0396 dihydrochloride, Highly selective T-type Ca^{2+} channel blocker
Description	Highly selective T-type Ca^{2+} channel blocker
Biological description	Highly selective T-type Ca^{2+} channel blocker. IC_{50} values are 6.8 and $>100 \mu\text{M}$ for $\text{Ca}_v3.1$ T-type channels 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 $\text{C}_{30}\text{H}_{38}\text{FN}_3\text{O}_2 \cdot 2\text{HCl}$

CAS Number 357400-13-6

Storage instructions Store at $+4^\circ\text{C}$. 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.

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