

NNC 55-0396

Catalog No: tcsc1240



Available Sizes

Size: 1mg

Size: 5mg



Specifications

CAS No:

357400-13-6

Formula:

$C_{30}H_{40}Cl_2FN_3O_2$

Pathway:

Membrane Transporter/Ion Channel

Target:

Calcium Channel

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

NNC 55-0396 dihydrochloride

Observed Molecular Weight:

564.56

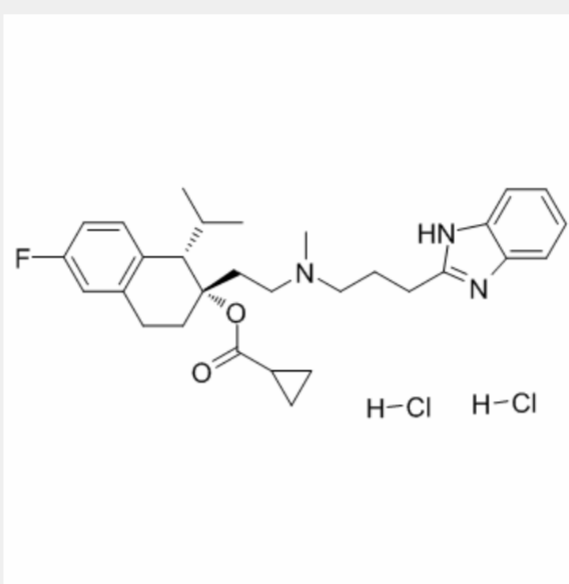
Product Description

NNC 55-0396, Mibefradil derivative, is a highly selective T-type calcium channel blocker; displays IC50 values of 6.8 and > 100 μ M for inhibition of Cav3.1 T-type channels and HVA currents respectively in INS-1 cells.

IC50 value: 6.8 nM

Target: Cav3.1 T-type channel

NNC 55-0396 can be an essential tool in preventing human ovarian cancer cell proliferation as a result of its ability to inhibit the function of T-type Ca²⁺ channels. It is believed that NNC 55-0396 may functions by dissolving in or passing through the plasma membrane of cells.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!