

# 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

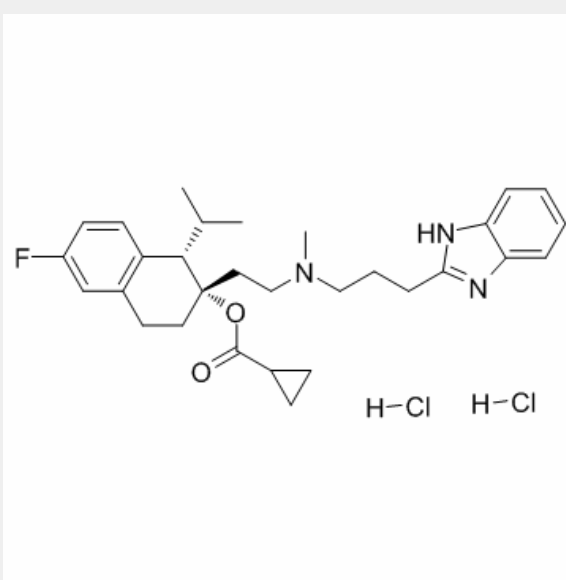
## Product Description

NNC 55-0396, Mibefradil derivative, is a highly selective T-type calcium channel blocker; displays IC50 values of 6.8 and > 100  $\mu$ 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 Ca<sup>2+</sup> 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!