

MK-8998

Catalog No: tcsc6198



Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

953778-58-0

Formula:

$C_{20}H_{23}F_3N_2O_2$

Pathway:

Membrane Transporter/Ion Channel

Target:

Calcium Channel

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

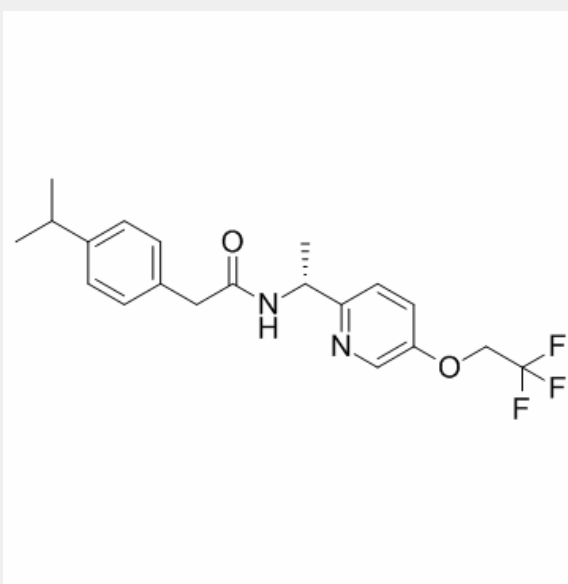
380.4

Product Description

MK-8998 is a potent and selective antagonist of the T-type **calcium channel**.

In Vitro: MK-8998 is a potent and selective antagonist of the T-type calcium channel that is being investigated as a potential new therapy for the treatment of schizophrenia. Because MK-8998 does not block D₂, 5HT_{2a}, muscarinic, or histaminic receptors, it has the potential for a substantially improved side effect profile compared with currently available atypical antipsychotics^[1].

In Vivo: MK-8998 is not effective in treating acutely psychotic inpatients with schizophrenia. There are no significant differences between either MK-8998 or olanzapine versus placebo at any time point. MK-8998 and olanzapine are generally well tolerated but are associated with a higher percentage of adverse events compared with placebo^[1].



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