Inhibitors, Agonists, Screening Libraries

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Data Sheet

Product Name: MK-8998
Cat. No.: HY-101096
CAS No.: 953778-58-0
Molecular Formula: C20H23F3N2O2
Molecular Weight: 380.40
Target: Calcium Channel
Pathway: Membrane Transporter/Ion Channel
Solubility: 10 mM in DMSO

BIOLOGICAL ACTIVITY:

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, 5HT2a, 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].

References:


Caution: Product has not been fully validated for medical applications. For research use only.

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