

MK-0752

Catalog No: tcsc0253



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

471905-41-6

Formula:

$C_{21}H_{21}ClF_2O_4S$

Pathway:

Stem Cell/Wnt;Neuronal Signaling

Target:

γ -secretase; γ -secretase

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

442.9

Product Description

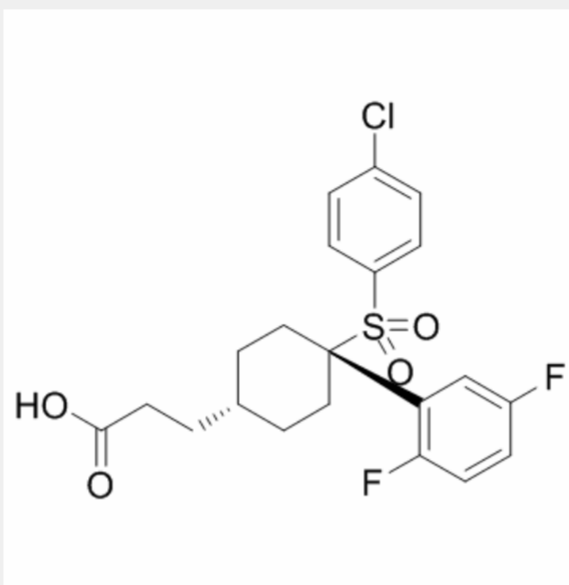
MK-0752 is a moderately potent γ -secretase inhibitor, which reduces A β 40 production with IC50 of 5 nM.

IC50 value: 5 nM (reduces A β 40 production) [1]

Target: γ -secretase

in vitro: MK-0752 is identified as a moderately potent γ -secretase inhibitor, which reduces A β 40 in a dose-dependent manner with an IC50 of 5 nM in human SH-SY5Y cells [1]. In vitro, MK-0752 blocks Notch-intracellular domain (ICD) cleavage and its subsequent nuclear translocation [2].

in vivo: MK-0752 (240 mg/kg) reduces the generation of newly produced A β with 90% decrease of AUV in the brain of rhesus monkeys. In addition, MK-0752 treatment increases levels of A β 1-14, A β 1-15, and A β 1-16, while decreases levels of A β 1-17 [1]. In guinea-pigs, oral administration of MK-0752 (10 mg/kg -30 mg/kg) results in the dose-dependent reduction of A β 40 in plasma, brain and cerebrospinal fluid (CSF) with IC50 of 440 nM in brain [2].



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