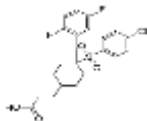


**PRODUCT: MK-0752****ALTERNATE NAMES:** 3-[4-(4-chlorophenyl)sulfonyl-4-(2,5-difluorophenyl)cyclohexyl]propanoic acid**CATALOG NUMBER:** B1980-1,5**AMOUNT:** 1 mg, 5 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>21</sub>H<sub>21</sub>ClF<sub>2</sub>O<sub>4</sub>S**MOLECULAR WEIGHT:** 442.9**CAS NUMBER:** 471905-41-6**APPEARANCE:** Crystalline solid**SOLUBILITY:** DMSO (>20 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20 °C. Protect from air and light**DESCRIPTION:** MK-0752 is a potent and reversible inhibitor of  $\gamma$ -secretase, reducing the cleavage of APP to A $\beta$ 40 in human neuroblastoma SH-SY5Y cells (IC<sub>50</sub> = 5 nM). Through its effects on the Notch pathway, MK-0752 reduces the number of breast cancer stem cells in tumorgrafts, enhancing the efficacy of the chemotherapy drug docetaxel (Cat. No. 2232) in mice with breast cancer tumors.**REFERENCES:** Cook, J.J., *et al.* (2010). *J. Neurosci.* **30**, 6743-6750.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**APP Antibody (Cat. No. 6001-100)  
Beta-Secretase, human recombinant (Cat. No. 7604-20, 100, 1000)  
Beta-Secretase Activity Assay Kit (Cat. No. K360-100)  
Beta Secretase Inhibitor I (Cat. No. 7501-1)  
Beta Secretase Inhibitor II (Cat. No. 7502-1)  
Compound E (Cat. No. 1949-250, 1000)  
Compound 34 (Cat. No. 1898-200, 1000)  
DAPT (Cat. No. 1855-5)  
EZSolution™ DAPT (Cat. No. 2663)  
MK-0752 (Cat. No. B1980-1,5)  
L-685, 258 (Cat. No. 1713-250)  
RO4929097 (Cat. No. 2011-1, 5)**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**