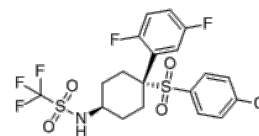


Product Name : MRK-560
Cat. No. : PC-62921
CAS No. : 677772-84-8
Molecular Formula : C₁₉H₁₇ClF₅NO₄S₂
Molecular Weight : 517.91
Target : γ-secretase
Solubility : 10 mM in DMSO



Biological Activity

MRK-560 is a potent, brain-penetrant and orally bioavailable **γ-secretase** inhibitor that inhibits proteolytic cleavage of APP over the Notch pathway.

MRK-560 inhibits Aβ₄₀ and Aβ₄₂ in SH-SY5Y neuroblastoma cells with IC₅₀ of 0.65 nM.

MRK-560 reduces levels of Aβ in the brain and cerebrospinal fluid (CSF) in rats with ED₅₀ of 6 and 10 mg/kg.

References

Best JD, et al. *J Pharmacol Exp Ther*. 2006 May;317(2):786-90.

Best JD, et al. *J Pharmacol Exp Ther*. 2007 Feb;320(2):552-8.

Wang FH, et al. *Eur J Neurosci*. 2012 Nov;36(9):3165-72.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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