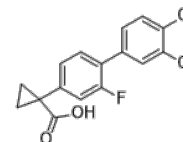


Product Name : CHF5074
Cat. No. : PC-23877
CAS No. : 749269-83-8
Molecular Formula : C₁₆H₁₁Cl₂FO₂
Molecular Weight : 325.16
Target : γ -secretase
Solubility : 10 mM in DMSO



Biological Activity

Itanaprazed (CHF5074) is a selective, orally active gamma-secretase (γ -secretase) modulator, reduces Abeta42 and Abeta40 secretion with IC₅₀ of 3.6 and 18.4 μ M in human neuroglioma cell line expressing Swedish mutated form of amyloid precursor protein (H4swe).

Itanaprazed (CHF5074) shows no effects were observed on Notch intracellular cleavage in human embryonic kidney 293swe cells.

Itanaprazed (CHF5074) shows reduced total brain Abeta40 and Abeta42 in treated animals.

Itanaprazed (CHF5074) attenuates brain beta-amyloid pathology and learning deficit in a mouse model of Alzheimer's disease.

References

Imbimbo BP, et al. Pharmacol Res. 2007 Apr;55(4):318-28.

Imbimbo BP, et al. J Pharmacol Exp Ther. 2007 Dec;323(3):822-30.

Imbimbo BP, et al. Br J Pharmacol. 2009 Mar;156(6):982-93.

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

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