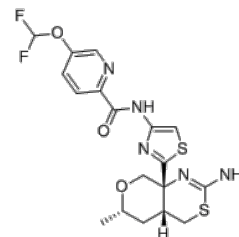


Product Name : PF-06751979
Cat. No. : PC-63290
CAS No. : 1818339-66-0
Molecular Formula : C₁₈H₁₉F₂N₅O₃S₂
Molecular Weight : 455.499
Target : Beta-secretase (BACE)
Solubility : 10 mM in DMSO



Biological Activity

PF-06751979 is a potent, selective, brain penetrant **BACE1** inhibitor with binding IC₅₀ of 7.3, 27-fold selectivity over BACE2. PF-06751979 shows BACE1 inhibition and sAPPβ production in whole-cell assay with IC₅₀ of 5.1 and 5 nM. PF-06751979 displays excellent brain penetration, potent in vivo efficacy, and broad selectivity over related aspartyl proteases including BACE2; demonstrates potent and dose-dependent Aβ lowering in human CSF with lacking hypopigmentation compared with AZD3239.

References

O'Neill BT, et al. *J Med Chem.* 2018 Apr 3. doi: 10.1021/acs.jmedchem.8b00246.

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

E-mail: tech@probechem.com