NB-360

Cat. No.: HY-124322
CAS No.: 1262857-73-7
Molecular Formula: C₂₁H₁₉F₄N₅O₂
Molecular Weight: 449.4
Target: Beta-secretase
Pathway: Neuronal Signaling
Storage: Please store the product under the recommended conditions in the COA.

**BIOLOGICAL ACTIVITY**

**Description**
NB-360 is a potent, brain penetrable, and orally bioavailable dual BACE1/BACE2 inhibitor (IC₅₀: mouse and human BACE1=5 nM; BACE2=6 nM). NB-360 shows a superior pharmacological profile and robust reduction of amyloid-β and neuroinflammation in amyloid precursor protein (APP) transgenic mice. NB-360 can completely block the progression of Aβ deposition in the brains of APP transgenic mice. NB-360 shows excellent selectivity over the related aspartyl proteases pepsin, cathepsin D and cathepsin E[1][2].

**IC₅₀ & Target**
IC₅₀: 5 nM (Mouse and human BACE1), 6 nM (BACE2)[1]

**REFERENCES**


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Caution: Product has not been fully validated for medical applications. For research use only.
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