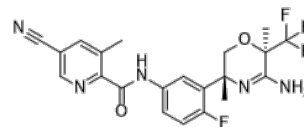


Product Name : NB-360
Cat. No. : PC-23360
CAS No. : 1262857-73-7
Molecular Formula : C₂₁H₁₉F₄N₅O₂
Molecular Weight : 449.41
Target : Beta-secretase (BACE)
Solubility : 10 mM in DMSO



CAS: 1262857-73-7

Biological Activity

NB-360 is a potent, selective and brain penetrable dual **BACE1/BACE2** inhibitor with IC₅₀ of 5 nM/6 nM respectively.

NB-360 does not inhibit pepsin or the endosomal/lysosomal cathepsins D and E (IC₅₀ > 250 μM).

NB-360 is a potent inhibitor of Aβ₄₀ release from human APP-overexpressing CHO cells, with an IC₅₀ of 3 nM in wtAPP CHO cells and 33 nM in SweAPP CHO cells.

NB-360 potently inhibits the release of Aβ₄₂ (IC₅₀: 3 nM) and sAPPβ (IC₅₀: 4 nM) in wild-type APP CHO cells.

NB-360 is sufficient to completely block amyloid-β deposition in an APP transgenic mouse model.

NB-360 displays dose-dependent appearance of irreversibly depigmented hair, induces hair depigmentation by inhibiting PMEL17 processing in mice.

References

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Neumann U, et al. *Br J Pharmacol.* 2019 Sep;176(18):3435-3446.

Neumann U, et al. *Mol Neurodegener.* 2015 Sep 3;10:44.

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

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