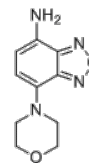


Product Name : δ -secretase inhibitor 11
Cat. No. : PC-61191
CAS No. : 842964-18-5
Molecular Formula : C₁₀H₁₂N₄O₂
Molecular Weight : 220.232
Target : Beta-secretase (BACE)
Solubility : 10 mM in DMSO



Biological Activity

δ -secretase inhibitor 11 is a selective, orally bioactive and brain permeable **δ -secretase** (AEP, delta-secretase) inhibitor with IC₅₀ of 700 nM.

δ -secretase inhibitor 11 displays 45-fold selectivity over caspases-3, and >100-fold over caspase-8, cathepsin-S and L. δ -secretase inhibitor 11 has IC₅₀ of 800 nM in Pala cells, reduces tau and APP cleavage, ameliorates synapse loss and augments long-term potentiation, resulting in protection of memory in mouse models of Alzheimer's disease.

References

Zhang Z, et al. *Nat Commun.* 2017 Mar 27;8:14740.

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

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