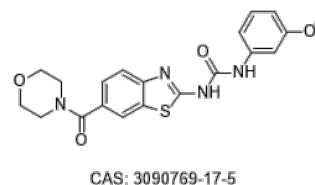


Product Name : APP degrader 0152
Cat. No. : PC-28069
CAS No. : 3090769-17-5
Molecular Formula : C₂₀H₂₀N₄O₄S
Molecular Weight : 412.46
Target : Amyloids
Solubility : 10 mM in DMSO



Biological Activity

APP degrader 0152 (Compound 0152) is a potent, CAPRIN1-dependent **molecule glue degrader** of **amyloid precursor protein (APP)**, effectively reduces intracellular APP and extracellular Aβ₄₂ without neuronal toxicity, effectively lowers Aβ₄₂ secretion with IC₅₀ of 0.9 μM in AG27606 neurons.

Compound 0152 stabilizes the CAPRIN1-APP interaction, consistent with a molecular glue mechanism.

Compound 0152 directs APP to lysosomes via CAPRIN1, induces lysosomal degradation of APP in AD iPSC-Ns.

Compound 0152 significantly reduces APP/Aβ₄₂ accumulation in AD iPSC-derived organoids.

Compound 0152 (100 mg/kg, IP) reduces amyloid burden in 5xFAD mice.

References

Jung S, et al. *Adv Sci (Weinh)*. 2026 Sep 1:e77575.

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

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