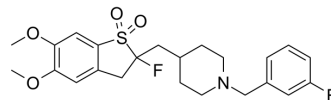


ACHe-IN-10

Cat. No.:	HY-144775
CAS No.:	2770832-90-9
Molecular Formula:	C ₂₃ H ₂₇ F ₂ NO ₄ S
Molecular Weight:	451.53
Target:	Cholinesterase (ChE)
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	ACHe-IN-10 (Compound 24r) is a potent inhibitor of AChE (IC ₅₀ = 2.4 nM). AChE-IN-10 potently inhibits AChE, reduces tau phosphorylation at S396 residue, provides neuroprotection by rescuing neuronal morphology and increasing cell viability. AChE-IN-10 is also found to reduce amyloid aggregation in the presence of AChE ^[1] .
IC ₅₀ & Target	AChE

REFERENCES

[1]. Liu Y, et al. Novel inhibitors of AChE and A β aggregation with neuroprotective properties as lead compounds for the treatment of Alzheimer's disease. *Eur J Med Chem.* 2022 May 5;235:114305.

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

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