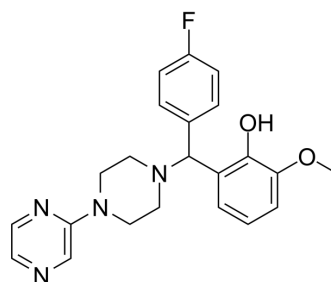


hAChE-IN-2

Cat. No.:	HY-149237
Molecular Formula:	C ₂₂ H ₂₃ FN ₄ O ₂
Molecular Weight:	394.44
Target:	Cholinesterase (ChE); Tau Protein
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	hAChE-IN-2 is a potent hAChE inhibitor, with an IC ₅₀ of 0.71 μM. hAChE-IN-2 can also inhibit tau-oligomerization, with an EC ₅₀ of 2.21 μM. hAChE-IN-2 exhibits neuroprotective activity ^[1] .
IC₅₀ & Target	hAChE 0.71 μM (IC ₅₀)
In Vitro	hAChE-IN-2 (compound 21) (1-10 μM) shows neuroprotective activity in SH-SY5Y cells transfected with WT tau ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Madhav H, et, al. Multicomponent Petasis reaction for the identification of pyrazine based multi-target directed anti-Alzheimer's agents: In-silico design, synthesis, and characterization. Eur J Med Chem. 2023 Jun 5;254:115354.

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

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