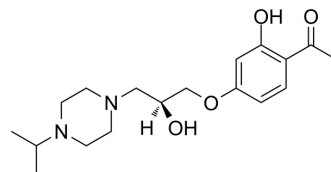


AChE-IN-11

Cat. No.:	HY-115973
Molecular Formula:	C ₁₈ H ₂₈ N ₂ O ₄
Molecular Weight:	336.43
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-11 (compound 5C) is a triple inhibitor targeting AChE/MAO-B/BACE1 (IC ₅₀ =7.9 μM, 9.9 μM, 8.3 μM, respectively) and a selective metal ion chelators. AChE-IN-11 exhibits mixed AChE inhibitory effects, binding to both CAS and PAS of AChE. AChE-IN-11 also exhibits good antioxidant activity (ORAC=2.5 eq) and potential neuroprotective effects in Alzheimer's disease ^[1] .
IC ₅₀ & Target	AChE

REFERENCES

[1]. Gaofeng Zhu, et al. Development of novel 2-acetylphenol-O-alkylhydroxyethylamine derivatives as multifunctional agents for Alzheimer's disease treatment.

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

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