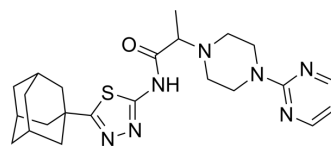


ACHe/MAO-B-IN-4

Cat. No.:	HY-157087
Molecular Formula:	C ₂₃ H ₃₁ N ₇ OS
Molecular Weight:	453.6
Target:	Cholinesterase (ChE); Monoamine Oxidase
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	ACHe/MAO-B-IN-4 (compound 4a) is a selective dual AChE and MAO-B inhibitor. AChE/MAO-B-IN-4 shows no significant inhibition activity against BChE and h-MAO-A. AChE/MAO-B-IN-4 can be used for the Alzheimer's disease (AD) research ^[1] .	
IC ₅₀ & Target	hMAO-B	AChE

REFERENCES

[1]. Amal A Al-Sharabi, et al. Synthesis, characterization, molecular docking and molecular dynamics simulations of novel 2,5-disubstituted-1,3,4-thiadiazole derivatives as potential cholinesterase/monoamine oxidase dual inhibitors for Alzheimer's disease. J Biomol Struct Dyn. 2023 Nov 1:1-19.

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

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