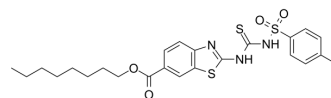


AChE-IN-60

Cat. No.:	HY-157981
Molecular Formula:	C ₂₄ H ₂₉ N ₃ O ₄ S ₃
Molecular Weight:	519.7
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-IN-60 (compound 6k) is a potent acetylcholinesterase (AChE) and butyrylcholinesterase (BChE) inhibitor with IC ₅₀ s of 27 nM and 43 nM, respectively. AChE-IN-60 also inhibits monoamine oxidase (MAO)-A and MAO-B with IC ₅₀ s of 353 nM and 716 nM, respectively ^[1] .			
IC ₅₀ & Target	AChE 27 nM (IC ₅₀)	BChE 43 nM (IC ₅₀)	MAO-A 353 nM (IC ₅₀)	MAO-B 716 nM (IC ₅₀)

REFERENCES

[1]. Nguyen Dinh Thanh, et al. Sulfonyl thioureas with a benzo[d]thiazole ring as dual acetylcholinesterase/butyrylcholinesterase and human monoamine oxidase A and B inhibitors: An in vitro and in silico study. Arch Pharm (Weinheim). 2024 Feb 6:e2300557.

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

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