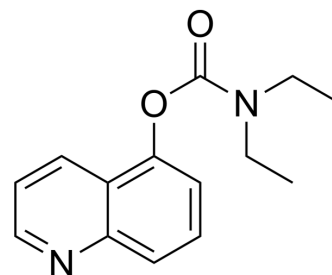


eeAChE/eqBuChE-IN-1

Cat. No.:	HY-157394
CAS No.:	2921654-26-2
Molecular Formula:	C ₁₄ H ₁₆ N ₂ O ₂
Molecular Weight:	244.29
Target:	Cholinesterase (ChE)
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	eeAChE/eqBuChE-IN-1 (compound 3F) is a reversible dual eeAChE/eqBuChE inhibitor with IC ₅₀ s of 1.3?μM and 0.81?μM, respectively. eeAChE/eqBuChE-IN-1 exhibits anti-inflammatory activity. eeAChE/eqBuChE-IN-1 also shows neuroprotective effect on Aβ ₂₅₋₃₅ -induced PC12 cell injury ^[1] .
IC₅₀ & Target	IC ₅₀ : 1.3?μM (eeAChE) and 0.81?μM (eqBuChE) ^[1]

REFERENCES

[1]. Chen h, et, al. Design, synthesis and evaluation of quinoline- O-carbamate derivatives as multifunctional agents for the treatment of Alzheimer's disease. J Enzyme Inhib Med Chem. 2023 Dec;38(1):2169682.

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

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