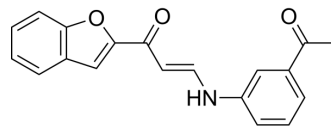


AChe-IN-39

Cat. No.:	HY-149473
Molecular Formula:	C ₁₉ H ₁₅ NO ₃
Molecular Weight:	305.33
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-39 (Compound 7c) is an AChE inhibitor (IC ₅₀ : 0.058 μM). AChE-IN-39 has DPPH scavenging activity. AChE-IN-39 improves the cognitive impairment in AlCl ₃ -induced amnesia animal model. AChE-IN-39 can be used for research of Alzheimer's disease ^[1] .
IC ₅₀ & Target	0.058 μM (AChE) ^[1]

REFERENCES

[1]. Somaia S. Abd El-Karim, et al. Discovery of novel benzofuran-based derivatives as acetylcholinesterase inhibitors for the treatment of Alzheimer's disease: Design, synthesis, biological evaluation, molecular docking and 3D-QSAR investigation. European Journal of Medicinal Chemistry. 2013, 115766.

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

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