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.
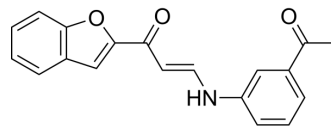
BIOLOGICAL ACTIVITY

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.