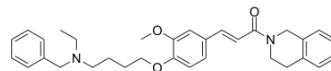


BuChE-IN-TM-10

Cat. No.:	HY-114320
CAS No.:	2313524-95-5
Molecular Formula:	C ₃₂ H ₃₈ N ₂ O ₃
Molecular Weight:	498.66
Target:	AChE
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	BuChE-IN-TM-10 (TM-10) is a potent butyrylcholinesterase (BuChE) inhibitor, with an IC ₅₀ of 8.9 nM. BuChE inhibitor 1 inhibits and disaggregates self-induced Aβ aggregation, exhibiting potent antioxidant activity and good blood-brain barrier (BBB) penetration. Has potential to treat Alzheimer's disease ^[1] .
IC ₅₀ & Target	IC ₅₀ : 8.9 nM (BuChE) ^[1] .

REFERENCES

[1]. Sang Z, et al. Design, Synthesis, and Evaluation of Novel Ferulic Acid Derivatives as Multi-Target-Directed Ligands for the Treatment of Alzheimer's Disease. ACS Chem Neurosci. 2019 Feb 20;10(2):1008-1024.

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

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