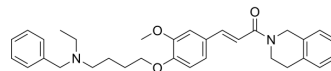


## BuChE-IN-TM-10

Cat. No.:	HY-114320
CAS No.:	2313524-95-5
Molecular Formula:	C <sub>32</sub> H <sub>38</sub> N <sub>2</sub> O <sub>3</sub>
Molecular Weight:	498.66
Target:	Cholinesterase (ChE)
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 <sub>50</sub> 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 <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 8.9 nM (BuChE) <sup>[1]</sup> .

### 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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