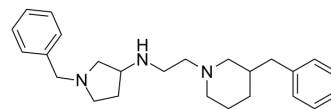


BuChE-IN-5

Cat. No.:	HY-150585
CAS No.:	2402753-39-1
Molecular Formula:	C ₂₅ H ₃₅ N ₃
Molecular Weight:	377.57
Target:	Amyloid- β ; Cholinesterase (ChE); Tau Protein
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	BuChE-IN-5 (compound 25b) is a potent BuChE inhibitor with an IC ₅₀ value of 1.94 μ M. BuChE-IN-5 efficiently inhibits aggregation A β and tau protein in Escherichia coli. BuChE-IN-5 also has free radical scavenging capacity and antioxidant activity. BuChE-IN-5 can be used for researching Alzheimer's disease ^[1] .
IC ₅₀ & Target	Butyrylcholinesterase 1.94 μ M (IC ₅₀)

REFERENCES

[1]. Wichur T, et al. 1-Benzylpyrrolidine-3-amine-based BuChE inhibitors with anti-aggregating, antioxidant and metal-chelating properties as multifunctional agents against Alzheimer's disease. Eur J Med Chem. 2020 Feb 1;187:111916.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA