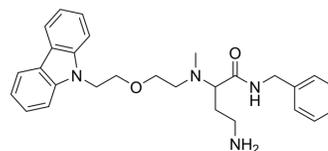


BuChE-IN-9

Cat. No.:	HY-155305
Molecular Formula:	C ₂₈ H ₃₄ N ₄ O ₂
Molecular Weight:	458.6
Target:	Cholinesterase (ChE); Beta-secretase; GABA Receptor
Pathway:	Neuronal Signaling; Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

BuChE-IN-9 (compound 22a) is a potent equine serum-derived BuChE (eqBuChE) inhibitor with an IC₅₀ of 173 nM. BuChE-IN-9 also inhibits human BACE1, Aβ aggregation, mouse GABA transporter 1 (mGAT1) and mGAT4. BuChE-IN-9 has significant anti-amnesic properties^[1].

REFERENCES

[1]. Paula Zaręba, et al. Discovery of novel multifunctional ligands targeting GABA transporters, butyrylcholinesterase, β-secretase, and amyloid β aggregation as potential treatment of Alzheimer's disease. *Eur J Med Chem.* 2023 Oct 7;261:115832.

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

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