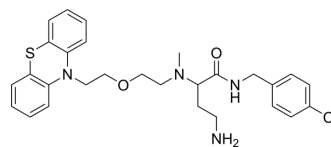


BuChE-IN-8

| | |
|--------------------|---|
| Cat. No.: | HY-155304 |
| Molecular Formula: | C ₂₈ H ₃₃ ClN ₄ O ₂ S |
| Molecular Weight: | 525.11 |
| 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-8 (compound 19c) is a butyrylcholinesterase (BuChE) inhibitor with an IC₅₀ of 559 nM. BuChE-IN-8 possesses human β -secretase (BACE1) and A β 40 aggregation inhibitory activities. BuChE-IN-8 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.

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