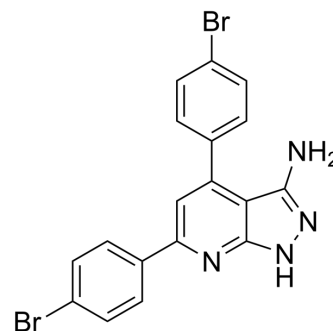


hAChE-IN-5

Cat. No.:	HY-155365
Molecular Formula:	C ₁₈ H ₁₂ Br ₂ N ₄
Molecular Weight:	444.12
Target:	Cholinesterase (ChE); GSK-3; Amyloid-β
Pathway:	Neuronal Signaling; PI3K/Akt/mTOR; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

hAChE-IN-5 (compound 49) is a potent hAChE and hBuChE inhibitor with IC₅₀ values of 0.17 μM and 0.17 μM, respectively. hAChE-IN-5 shows potent GSK3β inhibition with an IC₅₀ value of 0.21 μM. hAChE-IN-5 is used as tau protein aggregation and Aβ1-42 self-aggregation inhibitor. hAChE-IN-5 can bind virtually with the PAS affecting Aβ aggregation, thus preventing Aβ-dependent neurotoxicity. hAChE-IN-5 can penetrate BBB and has the potential for multi-targeted anti-Alzheimer's agents research^[1].

REFERENCES

[1]. Omnia M Waly, et al. Multi-targeted anti-Alzheimer's agents: Synthesis, biological evaluation, and molecular modeling study of some pyrazolopyridine hybrids. Eur J Med Chem. 2023 Oct 20:262:115880.

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