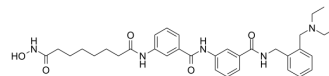


BChE/HDAC6-IN-1

Cat. No.:	HY-149417
CAS No.:	2925457-27-6
Molecular Formula:	C ₃₄ H ₄₃ N ₅ O ₅
Molecular Weight:	601.74
Target:	HDAC; Cholinesterase (ChE)
Pathway:	Cell Cycle/DNA Damage; Epigenetics; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

BChE/HDAC6-IN-1 is a potent and selective dual BChE/HDAC6 inhibitor with IC₅₀ values of 4 and 8.9 nM, respectively. BChE/HDAC6-IN-1 ameliorates the cognitive impairment in an Aβ₁₋₄₂-induced mouse model and has the potential for AD research^[1].

REFERENCES

[1]. Lei Wang, ET AL. Design, Synthesis, and Proof of Concept of Balanced Dual Inhibitors of Butyrylcholinesterase (BChE) and Histone Deacetylase 6 (HDAC6) for the Treatment of Alzheimer's Disease. ACS Chem Neurosci. 2023 Sep 6;14(17):3226-3248.

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

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