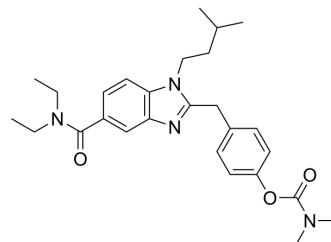


hBChE-IN-2

Cat. No.:	HY-149993
CAS No.:	2923366-36-1
Molecular Formula:	C ₂₇ H ₃₆ N ₄ O ₃
Molecular Weight:	464.6
Target:	Cholinesterase (ChE); Cannabinoid Receptor
Pathway:	Neuronal Signaling; GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	hBChE-IN-2 (compound 15d) is a butyrylcholinesterase (BChE) inhibitor (IC ₅₀ of 0.62 μM) and a cannabinoid receptor 2 (CB2R) agonist. hBChE-IN-2 has neuroprotection activities ^[1] .	
IC₅₀ & Target	hBChE 0.67 μM (IC ₅₀)	hCB2-R 0.78 μM (IC ₅₀)

REFERENCES

[1]. Philipp Spatz, et al. Dual-Acting Small Molecules: Subtype-Selective Cannabinoid Receptor 2 Agonist/Butyrylcholinesterase Inhibitor Hybrids Show Neuroprotection in an Alzheimer's Disease Mouse Model. *J Med Chem.* 2023 May 11;66(9):6414-6435.

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

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