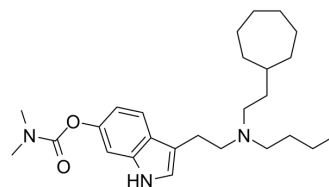


BChE-IN-3

Cat. No.:	HY-144689
Molecular Formula:	C ₂₆ H ₄₁ N ₃ O ₂
Molecular Weight:	427.62
Target:	AChE
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	BChE-IN-3 (compound 45a) is a potent, selective, time-dependent and pseudoirreversible BChE inhibitor, with an IC ₅₀ of 56.9 nM. BChE-IN-3 also shows marginal and reversible (not time-dependent) inhibition of AChE ^[1] .
IC ₅₀ & Target	IC ₅₀ : 56.9 ± 3.7 nM (hBChE) ^[1]

REFERENCES

[1]. Meden A, et al. From tryptophan-based amides to tertiary amines: Optimization of a butyrylcholinesterase inhibitor series. Eur J Med Chem. 2022 Apr 15;234:114248.

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

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