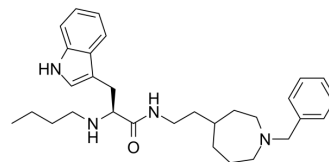


BChE-IN-5

Cat. No.:	HY-143465
Molecular Formula:	C ₃₀ H ₄₂ N ₄ O
Molecular Weight:	474.68
Target:	AChE
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	BChE-IN-5 is a potent and selective BChE inhibitor of hBChE over hAChE with an IC ₅₀ of 2.8 nM for BChE. BChE-IN-5 has the potential for the research of alzheimer's disease ^[1] .
IC ₅₀ & Target	BChE ^[1]
In Vitro	BChE-IN-5 (compound 18) shows inhibitory potencies for hBChE and hAChE with IC ₅₀ s of 2.8 nM, 16000 nM, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Meden A, et al. Structure-activity relationship study of tryptophan-based butyrylcholinesterase inhibitors. Eur J Med Chem. 2020 Dec 15;208:112766.

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

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