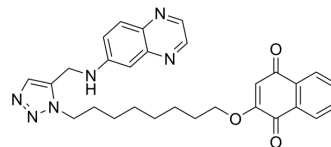


AChE/BChE-IN-15

Cat. No.:	HY-149484
Molecular Formula:	C ₂₉ H ₃₀ N ₆ O ₃
Molecular Weight:	510.59
Target:	Cholinesterase (ChE)
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	AChE/BChE-IN-15 (Compound 6d) is an AChE/BChE inhibitor, with IC ₅₀ s of 20 nM and 220 nM respectively. AChE/BChE-IN-15 binds to both catalytic anionic site (CAS) and peripheral anionic site (PAS) in the active sites of AChE and BChE. AChE/BChE-IN-15 can be used for research of Alzheimer's disease ^[1] .
IC₅₀ & Target	20 nM and 220 nM (AChE/BChE) ^[1]

REFERENCES

[1]. Paptawan Suwanhom, et al. Novel Lawsonone-Quinoxaline Hybrids as New Dual Binding Site Acetylcholinesterase Inhibitors. ACS Omega 2023.

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

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