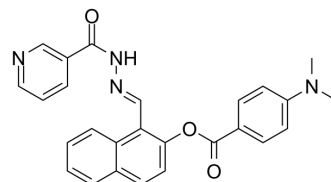


AChE/BChE-IN-19

Cat. No.:	HY-161508
Molecular Formula:	C ₂₆ H ₂₂ N ₄ O ₃
Molecular Weight:	438.48
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-19 (Compound 12) is a nicotinic hydrazone derivative. AChE/BChE-IN-19 is an inhibitor of AChE (IC ₅₀ = 21.45 nM) and BChE (IC ₅₀ = 18.42 nM). AChE/BChE-IN-19 can be used in Alzheimer's disease research ^[1] .	
IC ₅₀ & Target	AChE 21.45 nM (IC ₅₀)	BChE 18.42 nM (IC ₅₀)

REFERENCES

[1]. Resit Çakmak, et al. Synthesis of Novel Hydrazone-Hydrazone Compounds and In Vitro and In Silico Investigation of Their Biological Activities against AChE, BChE, and hCA I and II. ACS Omega. 2024, 9, 18, 20030–20041

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

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