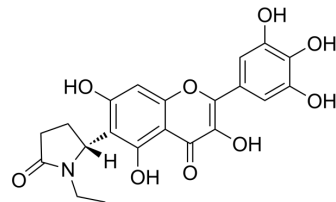


AChE-IN-58

Cat. No.:	HY-N12622
Molecular Formula:	C ₂₁ H ₁₉ NO ₉
Molecular Weight:	429
Target:	Cholinesterase (ChE)
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

ACHe-IN-58 (Compound 3) is an acetylcholinesterase (AChE) inhibitor. AChE-IN-58 can extend the mean lifespan, delay the Aβ₁₋₄₂-induced paralysis, enhance the locomotion, and alleviate glutamic acid (Glu)-induced neurotoxicity of CL4176 worms^[1].

REFERENCES

[1]. Chen CH, et al. Novel Flavonol Alkaloids in Green Tea: Synthesis, Detection, and Anti-Alzheimer's Disease Effect in a Transgenic *Caenorhabditis elegans* CL4176 Model. *J Agric Food Chem.* 2024 Feb 21;72(7):3695-3706.

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

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