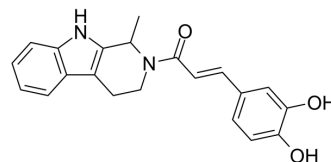


A β -IN-5

Cat. No.:	HY-147980
CAS No.:	2417977-65-0
Molecular Formula:	C ₂₁ H ₂₀ N ₂ O ₃
Molecular Weight:	348.4
Target:	Amyloid- β ; AChE
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	A β -IN-5 (Compound e12) is an orally active A β aggregation inhibitor. A β -IN-5 also inhibits AChE and BuChE with IC ₅₀ values of 21.29 μ M and 1.32 μ M, respectively. A β -IN-5 shows excellent neuroprotective effects and low neurotoxicity ^[1] .
IC₅₀ & Target	IC ₅₀ : 1.32 μ M (BuChE), 21.29 μ M (AChE) ^[1]
In Vitro	A β -IN-5 (Compound e12) (25 μ M) exhibits significant inhibition of A β aggregation with an inhibitory rate of 72% ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	A β -IN-5 (Compound e12) (15 mg/kg; p.o.) restores learning and memory function and exhibits no acute toxicity in vivo ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Liao Q, et al. Design, synthesis and biological evaluation of novel carboline-cinnamic acid hybrids as multifunctional agents for treatment of Alzheimer's disease. Bioorg Chem. 2020 Jun;99:103844.

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

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