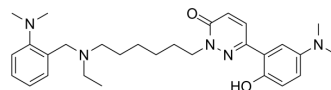


AChE-IN-6

Cat. No.:	HY-144324
CAS No.:	2758788-95-1
Molecular Formula:	C ₂₉ H ₄₁ N ₅ O ₂
Molecular Weight:	491.67
Target:	AChE
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

AChE-IN-6 (Compound 12a) is an optimal multifunctional ligand with significant inhibition of AChE (EeAChE, IC₅₀ = 0.20 μM; HuAChE, IC₅₀ = 37.02 nM) and anti-Aβ activity (IC₅₀ = 1.92 μM for self-induced Aβ1-42 aggregation; IC₅₀ = 1.80 μM for disaggregation of Aβ1-42 fibrils; IC₅₀ = 2.18 μM for Cu²⁺-induced Aβ1-42 aggregation; IC₅₀ = 1.17 μM for disaggregation of Cu²⁺-induced Aβ1-42 fibrils). AChE-IN-6 has the potential for the research of Alzheimer's disease^[1].

REFERENCES

[1]. Shi Y, et al. Development of novel 2-aminoalkyl-6-(2-hydroxyphenyl)pyridazin-3(2H)-one derivatives as balanced multifunctional agents against Alzheimer's disease. *Eur J Med Chem.* 2022;230:114098.

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

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