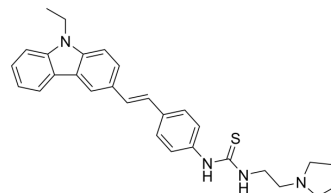


Aβ1-42 aggregation inhibitor 1

Cat. No.:	HY-150003
CAS No.:	2439107-75-0
Molecular Formula:	C ₂₉ H ₃₂ N ₄ S
Molecular Weight:	468.66
Target:	Cholinesterase (ChE); Amyloid-β
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Aβ1-42 aggregation inhibitor 1 inhibits AChE (acetylcholinesterase) and BuChE (butyrylcholinesterase) with the IC ₅₀ value of 2.64 μM and 1.29 μM, respectively. Aβ1-42 aggregation inhibitor 1 inhibits self-mediated Aβ1-42 aggregation by 51.29% at a concentration of 25 μM. Aβ1-42 aggregation inhibitor 1 has the potential for the research of anti-Alzheimer's disease ^[1] .
IC₅₀ & Target	IC ₅₀ : 2.64 μM (AChE), 1.29 μM (BuChE) ^[1] .
In Vitro	Aβ1-42 aggregation inhibitor 1 (compound 50) (25 μM, 30 min) can selectively form ligand-Cu ²⁺ complexes with Cu ²⁺ ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Dushyant V Patel, et al. Novel carbazole-stilbene hybrids as multifunctional anti-Alzheimer agents. *Bioorg Chem.* 2020 Aug;101:103977.

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

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