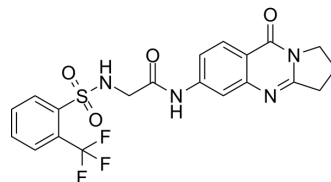


AChE-IN-47

Cat. No.:	HY-157296
CAS No.:	3033056-55-9
Molecular Formula:	C ₂₀ H ₁₇ F ₃ N ₄ O ₄ S
Molecular Weight:	466.43
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-47 (compound g17) is a AChE inhibitor with the IC ₅₀ of 0.24 μM. AChE-IN-47 inhibits amyloid β peptides self-aggregation. AChE-IN-47 displays neuroprotective effects and effectively suppresses the intracellular accumulation of reactive oxygen species ^[1] .
IC ₅₀ & Target	AChE

REFERENCES

[1]. Dong S, et al. Discovery of novel deoxyvasicinone derivatives with benzenesulfonamide substituents as multifunctional agents against Alzheimer's disease. Eur J Med Chem. 2024;264:116013.

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

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