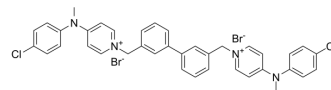


ACG548B

Cat. No.:	HY-122140
CAS No.:	795316-16-4
Molecular Formula:	C ₃₈ H ₃₄ Br ₂ Cl ₂ N ₄
Molecular Weight:	777.42
Target:	AChE
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	ACG548B (compound 24) is a potent inhibitor of acetyl- and butyrylcholinesterase (AChE and BChE) with IC ₅₀ s of 1.78 and 0.496 μM, respectively. ACG548B has higher AChE affinity and selectivity over BChE and ChoK (choline kinase) ^[1] .
IC ₅₀ & Target	BChE; ChoK ^[1]

REFERENCES

[1]. Conejo-García A, et al. Homodimeric bis-quaternary heterocyclic ammonium salts as potent acetyl- and butyrylcholinesterase inhibitors: a systematic investigation of the influence of linker and cationic heads over affinity and selectivity. *J Med Chem.* 2011;54(8):2627-2645.

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

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