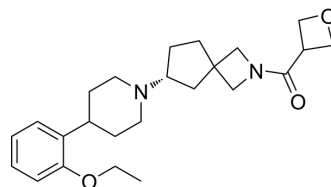


M1/M2/M4 muscarinic agonist 1

Cat. No.:	HY-149704
CAS No.:	2640109-42-6
Molecular Formula:	C ₂₄ H ₃₄ N ₂ O ₃
Molecular Weight:	398.54
Target:	mAChR
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	M1/M2/M4 muscarinic agonist 1 (Compound 42) is a muscarinic M4/M1/M2 agonist with EC ₅₀ values of 6.5, 26 and 210 nM for M4/M1/M2, respectively. M1/M2/M4 muscarinic agonist 1 can be used for research on mental diseases, such as schizophrenia, delusion, etc ^[1] .		
IC ₅₀ & Target	mAChR1 26 nM (EC50)	mAChR2 210 nM (EC50)	mAChR4 6.5 nM (EC50)

REFERENCES

[1]. Christopher G Thomson, et al. Transaminases Provide Key Chiral Building Blocks for the Synthesis of Selective M1/M4 Agonists. ACS Med. Chem. Lett. 2023. Nov 6.

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

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