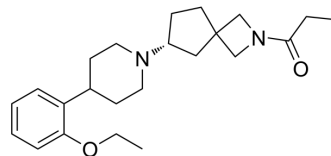


M1/M4 muscarinic agonist 1

Cat. No.:	HY-149702
Molecular Formula:	C ₂₃ H ₃₄ N ₂ O ₂
Molecular Weight:	370.53
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/M4 muscarinic agonist 1 (compound 41) is a selective muscarinic M4/M1 agonist with EC ₅₀ values of 14 and 55 nM for M4 and M1, respectively. M1/M4 muscarinic agonist 1 can be used for research on mental diseases, such as schizophrenia, delusional disorder, etc ^[1] .	
IC ₅₀ & Target	mAChR1 55 nM (EC50)	mAChR4 14 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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