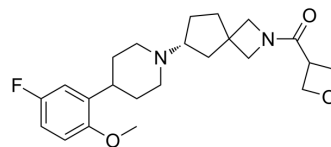


## M1/M2/M4 muscarinic agonist 3

Cat. No.:	HY-149733
CAS No.:	2640109-28-8
Molecular Formula:	C <sub>23</sub> H <sub>31</sub> FN <sub>2</sub> O <sub>3</sub>
Molecular Weight:	402.5
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 3 (compound 45) is a muscarinic mAChR M1/M2/M4 agonist with EC <sub>50</sub> s of 3.2 nM, 32 nM and 1.7 nM, respectively <sup>[1]</sup> .
IC <sub>50</sub> & Target	EC50: 3.2 nM (M1 muscarinic receptor), 32 nM (M2 muscarinic receptor), 1.7 nM (M4 muscarinic receptor) <sup>[1]</sup>

### REFERENCES

[1]. Thomson C G et al. Transaminases Provide Key Chiral Building Blocks for the Synthesis of Selective M1/M4 Agonists[J]. ACS Medicinal Chemistry Letters, 2023.

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

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