

## Product Datasheet

### M1/M4 muscarinic agonist 3 (orb2565840)

<b>Catalog Number</b>	orb2565840
<b>Category</b>	Small Molecules
<b>Description</b>	Compound 44 is a potent and selective small molecule agonist of the M1 and M4 muscarinic acetylcholine receptors, demonstrating EC50 values of 31 nM and 9.3 nM, respectively. It is a valuable research tool for investigating cholinergic signaling in neurological disorders, applicable in both in vitro binding assays and in vivo models of cognitive function.
<b>Target</b>	AChR
<b>MW</b>	402.5
<b>CAS Number</b>	2640109-30-2
<b>Formula</b>	C <sub>23</sub> H <sub>31</sub> FN <sub>2</sub> O <sub>3</sub>
<b>SMILES</b>	<chem>C(=O)(N1CC2(C[C@@H](CC2)N3CCC(CC3)C4=C(OC)C=C(F)C=C4)C1)C5COC5</chem>
<b>Storage</b>	-20°C
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

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