

Product Datasheet

β2AR/M-receptor agonist-2 (orb1745044)

Catalog Number	orb1745044
Category	Small Molecules
Description	This dual-action MABA compound functions as a potent β2 adrenoceptor agonist (EC50=3.7 nM) and a muscarinic M3 receptor antagonist (Ki=0.73 nM). It serves as a valuable research tool for investigating bronchodilation mechanisms and potential therapeutic strategies for obstructive lung diseases like COPD in both cellular and animal models.
Target	AChR,Others,Adrenergic Receptor
MW	717.31
CAS Number	1017857-38-3
Formula	C ₃₆ H ₄₉ ClN ₄ O ₇ S
SMILES	<chem>N(C(OC1CCN(CCCCCCCCNC[C@H](O)C2=CC(NS(C)(=O)=O)=C(O)C=C2)CC1)=O)C3=C(C=CC=C3)C4=CC(Cl)=C(O)C=C4</chem>
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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