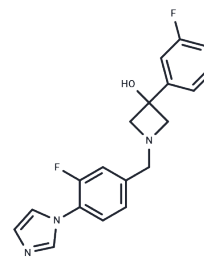


β 2AR agonist 5

Chemical Properties

CAS No. :	2759727-47-2
Formula:	C19H17F2N3O
Molecular Weight:	341.36
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	β 2AR agonist 5 is a selective agonist of β 2-adrenergic receptors (β 2AR) that increases intracellular cAMP levels by activating Gs-coupled signaling pathways, thereby regulating bronchoconstriction and metabolism-related processes. β 2AR agonist 5 can be used to study β 2AR-mediated signal transduction and its functional role in respiratory or metabolic regulation.
Targets(IC50)	Adrenergic Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9295 mL	14.6473 mL	29.2946 mL
5 mM	0.5859 mL	2.9295 mL	5.8589 mL
10 mM	0.2929 mL	1.4647 mL	2.9295 mL
50 mM	0.0586 mL	0.2929 mL	0.5859 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Zhang S, et al. Discovering Potent and Diverse Agonists for the β 2-Adrenergic Receptor via Machine Learning. ACS Pharmacology & Translational Science, 2025.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481