

β 2AR/M-receptor agonist-2

Chemical Properties

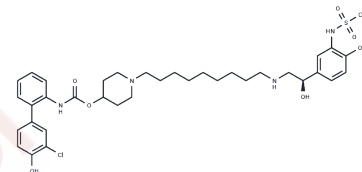
CAS No. : 1017857-38-3

Formula: C₃₆H₄₉ClN₄O₇S

Molecular Weight: 717.31

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/M-receptor agonist-2 is a dual-function compound acting as a muscarinic antagonist and β 2 adrenoceptor agonist (MABA). It demonstrates significant activity towards the β 2 adrenoceptor with an EC ₅₀ of 3.7 nM and exhibits affinity for the human cloned M3 receptor with a K _i of 0.73 nM. This potent bronchodilator holds potential for research in chronic obstructive pulmonary disease (COPD) treatment.
Targets(IC50)	Others,Adrenergic Receptor,AChR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3941 mL	6.9705 mL	13.941 mL
5 mM	0.2788 mL	1.3941 mL	2.7882 mL
10 mM	0.1394 mL	0.697 mL	1.3941 mL
50 mM	0.0279 mL	0.1394 mL	0.2788 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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