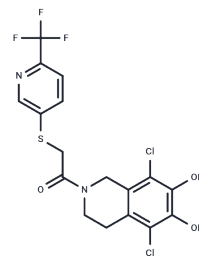


RCD405

## Chemical Properties

CAS No. : 2408134-22-3  
 Formula: C<sub>17</sub>H<sub>13</sub>Cl<sub>2</sub>F<sub>3</sub>N<sub>2</sub>O<sub>3</sub>S  
 Molecular Weight: 453.26  
 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	RCD405 is a bronchodilator that exerts a relaxing effect by directly acting on human airway smooth muscle (hASM), with an EC <sub>50</sub> value of 12 μM for histamine-induced contraction and 45.71 μM for carbachol-induced contraction. It inhibits cholinergic and histaminergic tension and reduces contractions induced by electrical field stimulation (EFS). RCD405 shows potential for research in asthma and chronic obstructive pulmonary disease (COPD).
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2062 mL	11.0312 mL	22.0624 mL
5 mM	0.4412 mL	2.2062 mL	4.4125 mL
10 mM	0.2206 mL	1.1031 mL	2.2062 mL
50 mM	0.0441 mL	0.2206 mL	0.4412 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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