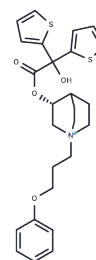


Acclidinium

Chemical Properties

CAS No. :	727649-81-2
Formula:	C ₂₆ H ₃₀ N ₂ O ₄ S ₂
Molecular Weight:	484.65
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	Acclidinium, a dual-action compound, serves as a long-acting muscarinic antagonist and a β 2-adrenoceptor (β 2-AR) agonist, exhibiting bronchodilator properties. It effectively reduces lung hyperinflation, enhances lung function, and prolongs exercise endurance time. This compound is commonly utilized in studies focusing on chronic obstructive pulmonary disease (COPD).
Targets(IC50)	Adrenergic Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0633 mL	10.3167 mL	20.6334 mL
5 mM	0.4127 mL	2.0633 mL	4.1267 mL
10 mM	0.2063 mL	1.0317 mL	2.0633 mL
50 mM	0.0413 mL	0.2063 mL	0.4127 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.

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