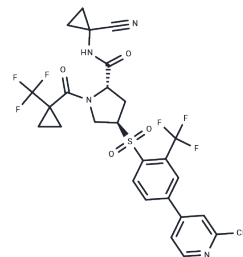


RO5461111

Chemical Properties

CAS No. : 1252637-46-9
 Formula: C₂₇H₂₄F₆N₄O₄S
 Molecular Weight: 614.56
 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	RO5461111, a highly specific and orally active Cathepsin S antagonist, exhibits potent inhibitory effects with IC ₅₀ values of 0.4 nM (human Cathepsin S) and 0.5 nM (murine Cathepsin S), respectively. It effectively suppresses the activation of antigen-specific T cells and B cells, and can ameliorate pulmonary inflammation and lupus nephritis.
Targets(IC ₅₀)	Others, Cysteine Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6272 mL	8.1359 mL	16.2718 mL
5 mM	0.3254 mL	1.6272 mL	3.2544 mL
10 mM	0.1627 mL	0.8136 mL	1.6272 mL
50 mM	0.0325 mL	0.1627 mL	0.3254 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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