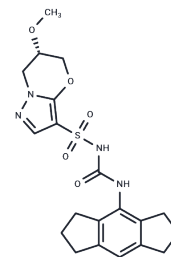


JT002

Chemical Properties

CAS No. : 2238820-43-2
 Formula: C₂₀H₂₄N₄O₅
 Molecular Weight: 432.49
 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	JT002 is an orally active NLRP3 inflammasome inhibitor that decreases the production of NLRP3-dependent proinflammatory cytokines (such as IL-1 β , IL-1 α , IL-18) and pyroptosis, as well as inhibits the formation of the NLRP3 inflammasome complex. Additionally, JT002 mitigates airway hyperresponsiveness and airway neutrophilia in mice [1].
Targets(IC50)	NOD-like Receptor (NLR)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3122 mL	11.561 mL	23.1219 mL
5 mM	0.4624 mL	2.3122 mL	4.6244 mL
10 mM	0.2312 mL	1.1561 mL	2.3122 mL
50 mM	0.0462 mL	0.2312 mL	0.4624 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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