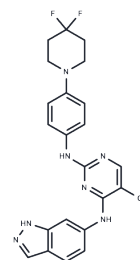


Cyy-272

Chemical Properties

CAS No. : 2644673-01-6
 Formula: C₂₃H₂₃F₂N₇
 Molecular Weight: 435.47
 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	Cyy-272 is an orally active JNK inhibitor with IC ₅₀ values of 1.25, 1.07, and 1.24 μM against JNK1, JNK2, and JNK3, respectively. It exerts anti-inflammatory effects by inhibiting the phosphorylation of JNK, thereby alleviating acute lung injury (ALI) induced by lipopolysaccharide (LPS). Moreover, Cyy-272 significantly reduces inflammation in cardiomyocytes and cardiac tissues caused by high lipid concentrations, further mitigating resultant cardiac hypertrophy, fibrosis, and apoptosis. Cyy-272 is utilized in the study of obesity-related myocarditis.
Targets(IC ₅₀)	Apoptosis,JNK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2964 mL	11.4818 mL	22.9637 mL
5 mM	0.4593 mL	2.2964 mL	4.5927 mL
10 mM	0.2296 mL	1.1482 mL	2.2964 mL
50 mM	0.0459 mL	0.2296 mL	0.4593 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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