Data Sheet (Cat.No.T22639)

TargetMol

CC-401

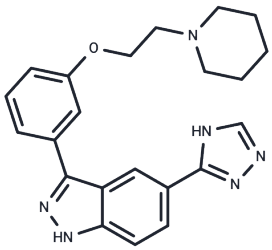
Chemical Properties

CAS No. : 395104-30-0

Formula: C22H24N6O

Molecular Weight: 388.47

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	CC-401 is a specific inhibitor of JNK (Ki: 25-50nM).
Targets(IC50)	Others,JNK
In vitro	CC-401 is a second-generation ATP-competitive inhibitor of all three forms of JNK. It is selective against JNK over other kinases such as p38, ERK, IKK2, and ZAP70. CC-401 potently inhibits JNK in cell-based assay with a concentration of 1 to 5μM. The activation of JNK signaling is identified in many immune-mediated kidney disease models. Thus, as the JNK inhibitor, CC-401 is found to be effective in these renal injury models. In the acute anti-GBM disease, CC-401 inhibits JNK activation and causes a 50%-70% reduction of proteinuria. In addition, CC-401 is also used in liver injury models [1][2][3].

Solubility Information

Solubility	DMSO: ≥19.4 mg/mL,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5742 mL	12.871 mL	25.742 mL
5 mM	0.5148 mL	2.5742 mL	5.1484 mL
10 mM	0.2574 mL	1.2871 mL	2.5742 mL
50 mM	0.0515 mL	0.2574 mL	0.5148 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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