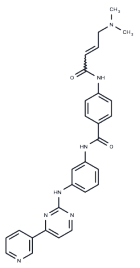
# Data Sheet (Cat.No.T26349)

TargetMol

## ZG-10

### Chemical Properties



CAS No. : 1408077-04-2

Formula: C28H27N7O2

Molecular Weight: 493.56

Storage: Store at low temperature
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 | ZG-10 (JNK-IN-2) is an inhibitor of JNK, blocking JNK1, JNK2, and JNK3, and is used in studies of SARS-CoV-2 virus infection. |
| Targets(IC50) | JNK,SARS-CoV |
| In vitro | ZG-10 is a JNK inhibitor with IC50 values of 809 nM, 1140 nM, and 709 nM for JNK1, JNK2, and JNK3, respectively. [1] |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 2.0261 mL | 10.1305 mL | 20.261 mL |
| 5 mM | 0.4052 mL | 2.0261 mL | 4.0522 mL |
| 10 mM | 0.2026 mL | 1.013 mL | 2.0261 mL |
| 50 mM | 0.0405 mL | 0.2026 mL | 0.4052 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.

Reference

Zhang T, et al. Discovery of potent and selective covalent inhibitors of JNK. Chem Biol. 2012 Jan 27;19(1):140-54.
Zhang R, et al. Inflammatory activation and immune cell infiltration are main biological characteristics of SARS-CoV-2 infected myocardium. Bioengineered. 2022 Feb;13(2):2486-2497.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481