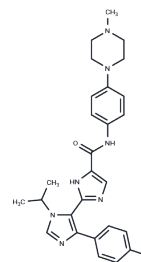


INS018 055

## Chemical Properties

CAS No. : 2828567-39-9  
 Formula: C<sub>27</sub>H<sub>30</sub>FN<sub>7</sub>O  
 Molecular Weight: 487.57  
 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	INS018 055 (TNIK&MAP4K4-IN-2) is a highly efficient TNIK and MAP4K4 inhibitor with antifibrotic activity. It can be used in research on idiopathic pulmonary fibrosis.
Targets(IC50)	MAPK, Interleukin, TGF-beta/Smad, Wnt/beta-catenin, Cadherin
In vitro	INS018 055 (Compound 112) is a compound capable of inhibiting TNIK and MAP4K4 with IC50 values between 12-120 nM, respectively. [1]

## Solubility Information

Solubility	DMSO: 100 mg/mL (205.1 mM), Sonication is recommended. ( < 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.051 mL	10.2549 mL	20.5099 mL
5 mM	0.4102 mL	2.051 mL	4.102 mL
10 mM	0.2051 mL	1.0255 mL	2.051 mL
50 mM	0.041 mL	0.2051 mL	0.4102 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

Aleksandrs Zavoronkovs, et al. Analogs for the treatment of disease. WO2022179528A1.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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

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