

## FGFRs-IN-1

## Chemical Properties

CAS No. :

Formula: C<sub>28</sub>H<sub>26</sub>Cl<sub>2</sub>N<sub>4</sub>O<sub>3</sub>

Molecular Weight: 537.44

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	FGFRs-IN-1 (Compound A16) is an orally active inhibitor targeting FGFR1/2/3/4, with IC <sub>50</sub> values of 2.3, 7, 11, and 163 nM respectively. It also inhibits VEGFR1/2/3, Abl, and Flt3, with IC <sub>50</sub> values of 61, 176, 112, 26, and 353 nM. The compound shows weak inhibition of CYP enzymes. FGFRs-IN-1 reduces the expression of $\alpha$ -SMA and collagen I, and it inhibits epithelial-mesenchymal transition (EMT) in A549 cells stimulated by TGF- $\beta$ 1. Additionally, FGFRs-IN-1 demonstrates anti-inflammatory activity in mouse models of lung fibrosis induced by Bleomycin and liver fibrosis induced by CCl <sub>4</sub> .
Targets(IC <sub>50</sub> )	FGFR,FLT,Bcr-Abl,Cytochromes P450,VEGFR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8607 mL	9.3034 mL	18.6067 mL
5 mM	0.3721 mL	1.8607 mL	3.7213 mL
10 mM	0.1861 mL	0.9303 mL	1.8607 mL
50 mM	0.0372 mL	0.1861 mL	0.3721 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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