

## STAT3-IN-15

## Chemical Properties

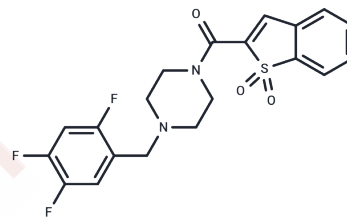
CAS No. :

Formula: C<sub>20</sub>H<sub>17</sub>F<sub>3</sub>N<sub>2</sub>O<sub>3</sub>S

Molecular Weight: 422.42

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	STAT3-IN-15, a potent and orally active inhibitor targeting STAT3, effectively combats idiopathic pulmonary fibrosis (IPF) by hindering STAT3 phosphorylation. Additionally, it impedes TGF- $\beta$ 1-induced migration and deformation of epithelial cells and prevents epithelial-mesenchymal transition (EMT), offering a multifaceted approach against IPF.
Targets(IC50)	Others,STAT

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3673 mL	11.8366 mL	23.6731 mL
5 mM	0.4735 mL	2.3673 mL	4.7346 mL
10 mM	0.2367 mL	1.1837 mL	2.3673 mL
50 mM	0.0473 mL	0.2367 mL	0.4735 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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