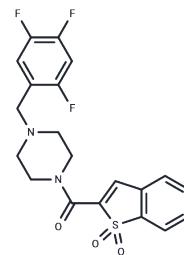


STAT3-IN-39

Chemical Properties

CAS No. :	3037596-35-0
Formula:	C ₂₀ H ₁₇ F ₃ N ₂ O ₃ 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-39 (compound 10K) is an orally active inhibitor of STAT3, demonstrating effective inhibition of STAT3 phosphorylation with an IC ₅₀ of 0.47 μM in NIH-3T3 cells. It hinders TGF-β1-induced fibrotic responses and prevents epithelial-mesenchymal transition in A549 cells. STAT3-IN-39 is applicable for research related to idiopathic pulmonary fibrosis.
Targets(IC50)	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

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