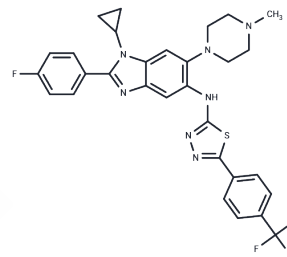


STAT3-IN-20

Chemical Properties

CAS No. :	2768427-54-7
Formula:	C30H27F4N7S
Molecular Weight:	593.64
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-20 (Compound 40), with an IC50 of 0.65 μ M, is a selective inhibitor targeting the SH2 domain of STAT3, thereby impeding its phosphorylation, nuclear translocation, and subsequent gene transcription. The compound demonstrates antiproliferative effects on DU145 and MDA-MB-231 cancer cell lines, which have overactivated STAT3, with IC50 values of 2.97 μ M and 3.26 μ M, respectively. Moreover, STAT3-IN-20 induces cell cycle arrest and apoptosis [1].
Targets(IC50)	STAT

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6845 mL	8.4226 mL	16.8452 mL
5 mM	0.3369 mL	1.6845 mL	3.369 mL
10 mM	0.1685 mL	0.8423 mL	1.6845 mL
50 mM	0.0337 mL	0.1685 mL	0.3369 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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