

STAT3-IN-35

Chemical Properties

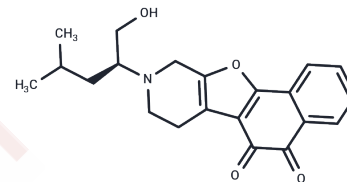
CAS No. : 2849535-96-0

Formula: C₂₁H₂₃NO₄

Molecular Weight: 353.41

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-35 is a STAT3 inhibitor that binds to the SH2 domain. This compound inhibits the phosphorylation of STAT3 and exhibits antiproliferative activity in triple-negative breast cancer (TNBC) cell lines. Additionally, STAT3-IN-35 has demonstrated toxicity and potent antitumor activity in TNBC xenograft models.
Targets(IC50)	STAT

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8296 mL	14.1479 mL	28.2957 mL
5 mM	0.5659 mL	2.8296 mL	5.6591 mL
10 mM	0.283 mL	1.4148 mL	2.8296 mL
50 mM	0.0566 mL	0.283 mL	0.5659 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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