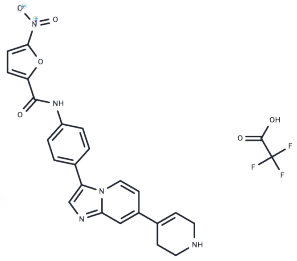
Data Sheet (Cat.No.T80847)

TargetMol

W1131 TFA

Chemical Properties



CAS No. :

Formula: C25H20F3N5O6

Molecular Weight: 543.45

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	W1131 TFA is a STAT3 inhibitor and ferroptosis inducer that regulates the IL6-JAK-STAT3 and ferroptosis pathways to influence cell cycle, DNA damage response, and oxidative phosphorylation, thereby inhibiting the development of gastric cancer.
Targets(IC50)	Ferroptosis,STAT

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8401 mL	9.2005 mL	18.401 mL
5 mM	0.368 mL	1.8401 mL	3.6802 mL
10 mM	0.184 mL	0.920 mL	1.8401 mL
50 mM	0.0368 mL	0.184 mL	0.368 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.

Reference

Ouyang S, et al. Inhibition of STAT3-ferroptosis negative regulatory axis suppresses tumor growth and alleviates chemoresistance in gastric cancer. Redox Biol. 2022 Jun;52:102317.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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