

KT-253

Chemical Properties

CAS No. : 2713618-08-5

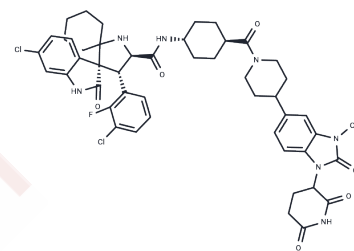
Formula: C48H52Cl2FN7O6

Molecular Weight: 912.874

Keep away from direct sunlight

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	KT-253 is a p53 stabilizer and a PROTAC degrader of MDM2 (DC50=0.4 nM). It inhibits the proliferation of cancer cells RS4;11 with an IC50 of 0.3 nM, induces cell cycle arrest in the G2/M phase, and triggers apoptosis. In mouse models, KT-253 demonstrates antitumor activity. (Pink: ligand for target protein MDM2 ligand 4; Black: linker; Blue: ligand for E3 ligase cereblon)
Targets(IC50)	Apoptosis,PROTACs,MDM-2/p53

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0954 mL	5.4772 mL	10.9545 mL
5 mM	0.2191 mL	1.0954 mL	2.1909 mL
10 mM	0.1095 mL	0.5477 mL	1.0954 mL
50 mM	0.0219 mL	0.1095 mL	0.2191 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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