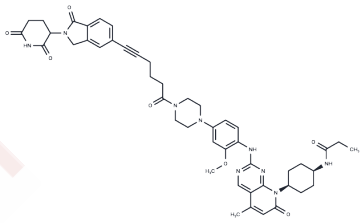
Data Sheet (Cat.No.T81375)

TargetMol

PROTAC TTK degrader-1

Chemical Properties



CAS No. : 2953426-43-0

Formula: C47H53N9O7

Molecular Weight: 855.98

Storage: Keep away from direct sunlight
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	PROTAC TTK degrader-1, a potent threonine tyrosine kinase (TTK) PROTAC degrader, demonstrates DC50 values of 1.7 nM in COLO-205 cells and 5.8 nM in HCT-116 cells, indicating effective target degradation. Furthermore, it shows anticancer efficacy in a xenograft mouse model with COLO-205 human colorectal cancer cells [1].
Targets(IC50)	PROTACs
In vitro	Compound 8e, a PROTAC TTK degrader-1, demonstrates antiproliferative activity against cancer cells at concentrations ranging from 0 to 10 μM over a 96-hour period [1].
In vivo	PROTAC TTK degrader-1 administered intraperitoneally (IP) at a single dose of 10 mg/kg exhibits satisfactory pharmacokinetic profiles [1]. When administered IP at doses of 10 or 20 mg/kg once daily over a 16-day period, PROTAC TTK degrader-1 substantially decreases TTK protein levels and demonstrates significant tumor growth inhibition [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1683 mL	5.8413 mL	11.6825 mL
5 mM	0.2337 mL	1.1683 mL	2.3365 mL
10 mM	0.1168 mL	0.5841 mL	1.1683 mL
50 mM	0.0234 mL	0.1168 mL	0.2337 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.

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