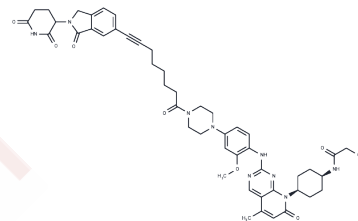


## PROTAC TTK degrader-2

## Chemical Properties

CAS No. :	2953426-48-5
Formula:	C <sub>49</sub> H <sub>57</sub> N <sub>9</sub> O <sub>7</sub>
Molecular Weight:	884.03
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	PROTAC TTK Degrader-2 is a potent threonine tyrosine kinase (TTK) PROTAC degrader, achieving DC50 values of 3.1 nM in COLO-205 cells and 12.4 nM in HCT-116 cells. It demonstrates effective target degradation and anticancer activity in a COLO-205 human colorectal cancer cell xenograft mouse model [1].
Targets(IC50)	PROTACs
In vitro	PROTAC TTK degrader-2 (compound 8j), at concentrations from 0 to 10 µM over 96 hours, inhibits cancer cell proliferation [1].
In vivo	PROTAC TTK degrader-2 (8j) administered intraperitoneally at 10 mg/kg exhibits satisfactory pharmacokinetic profiles [1]. Daily intraperitoneal dosing of 10 or 20 mg/kg for 16 days significantly reduces TTK protein levels and suppresses tumor growth [1]. Pharmacokinetic parameters for PROTAC TTK degrader-2 were established in male SD rats [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1312 mL	5.6559 mL	11.3118 mL
5 mM	0.2262 mL	1.1312 mL	2.2624 mL
10 mM	0.1131 mL	0.5656 mL	1.1312 mL
50 mM	0.0226 mL	0.1131 mL	0.2262 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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