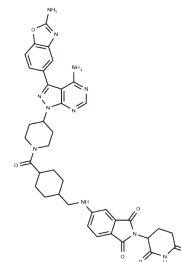


YB-3-17

Chemical Properties

CAS No. :	2940242-88-4
Formula:	C ₃₈ H ₃₉ N ₁₁ O ₆
Molecular Weight:	745.786
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	YB-3-17 is a bifunctional molecule that can inhibit mTOR with an IC ₅₀ of 0.22 nM or degrade the G1 to S phase transition 1 gene (GSPT1) through the PROTAC mechanism, with a DC ₅₀ of 5 nM. It exhibits antiproliferative activity at nanomolar concentrations in various glioblastoma cell lines. Additionally, YB-3-17 shows antitumor activity in mouse models. (Pink: ligand for target protein; Black: linker; Blue: ligand for E3 ligase Cereblon)
Targets(IC ₅₀)	mTOR,PROTACs

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3409 mL	6.7043 mL	13.4086 mL
5 mM	0.2682 mL	1.3409 mL	2.6817 mL
10 mM	0.1341 mL	0.6704 mL	1.3409 mL
50 mM	0.0268 mL	0.1341 mL	0.2682 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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