

XYD049

## Chemical Properties

CAS No. : 3006788-11-7

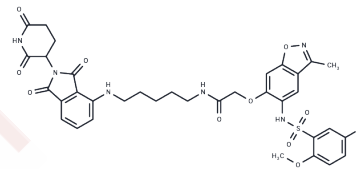
Formula: C35H35BrN6O10S

Molecular Weight: 811.656

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	XYD049 (compound 7d) is a CRBN-type molecular glue targeting GSPT1, with a DC50 of 19 nM, used for researching MYC-driven castration-resistant prostate cancer (CRPC). It effectively inhibits the growth of 22Rv1 cells (IC50 = 7 nM) and exhibits antitumor efficacy in vivo. XYD049 downregulates CRPC-associated oncogenes in 22Rv1 cells, including AR, AR-v7, PSA, and c-Myc. XYD049 comprises a molecular glue linker (black part) NH <sub>2</sub> -C <sub>5</sub> -NH-Boc, a CRBN-type E3 ligase ligand (blue part) Thalidomide 4-fluoride, and a target protein ligand (red part) GSPT1 ligand-1, with the E3 ligase ligand + linker forming the conjugate E3 Ligase Ligand-linker Conjugate 158.
Targets(IC50)	Molecular Glues

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.232 mL	6.1602 mL	12.3204 mL
5 mM	0.2464 mL	1.232 mL	2.4641 mL
10 mM	0.1232 mL	0.616 mL	1.232 mL
50 mM	0.0246 mL	0.1232 mL	0.2464 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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