

## PROTAC AR Degradar-8

## Chemical Properties

CAS No. : 3044108-04-2

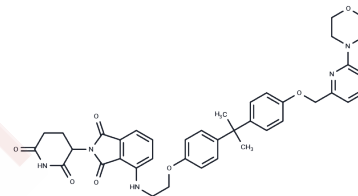
Formula: C<sub>40</sub>H<sub>41</sub>N<sub>5</sub>O<sub>7</sub>

Molecular Weight: 703.783

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	PROTAC AR Degradar-8 (Compound NP18) functions as a PROTAC degrader targeting the androgen receptor (AR) and effectively degrades AR-FL in both 22Rv1 and LNCaP cells with DC50 values of 0.018 $\mu$ M and 0.14 $\mu$ M, respectively. It also degrades AR-V7 in 22Rv1 cells with a DC50 of 0.026 $\mu$ M. Additionally, PROTAC AR Degradar-8 inhibits the proliferation of 22Rv1 and LNCaP cancer cells, exhibiting IC50 values of 0.038 $\mu$ M and 1.11 $\mu$ M. It induces cell cycle arrest at the G2/M phase and triggers apoptosis in 22Rv1 cells (apoptosis). Demonstrating anticancer efficacy, PROTAC AR Degradar-8 shows activity in both mouse and zebrafish models. [Pink: ligand for target protein AR ligand-33; Black: linker; Blue: ligand for E3 ligase Cereblon]
Targets(IC50)	Apoptosis,Androgen Receptor,PROTACs

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4209 mL	7.1045 mL	14.209 mL
5 mM	0.2842 mL	1.4209 mL	2.8418 mL
10 mM	0.1421 mL	0.7104 mL	1.4209 mL
50 mM	0.0284 mL	0.1421 mL	0.2842 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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