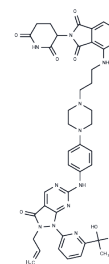


ZNL 02-096

## Chemical Properties

CAS No. : 2414418-49-6  
 Formula: C42H45N11O6  
 Molecular Weight: 799.88  
 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	ZNL 02-096 (Pomalidomide-C3-adavosertib) is a rapid and selective degrader of Wee1 (IC50=3.58 nM). ZNL 02-096 selectively degrades Wee1 at submolar concentrations without damaging PLK1, a secondary target of AZD 1775. ZNL 02-096 induces degradation of Wee1 and accumulation of DNA damage in MOLT-4 cells in vitro. In vitro in MOLT-4 cells, ZNL 02-096 induced Wee1 degradation, accumulation of DNA damage, cell cycle arrest in G2/M phase and apoptosis. ZNL 02-096 showed anti-proliferative effects in 300 cancer cell lines.
Targets(IC50)	Apoptosis, PROTACs, Wee1
In vitro	ZNL 02-096 (1 nM-10 µM; 24, 48, and 72 h; OVCAR8, COV362, and Kuramochi cells) induces CRBN-dependent anti-proliferative effects and synergizes with Olaparib. ZNL 02-096 (6 h) degrades Wee1 in OVCAR8 cells, with maximal degradation observed at a 100 nM treatment.[1] ZNL 02-096 (100 nM; 24 h) induces DNA damage, apoptosis, and deregulation of the G2/M checkpoint.[1]

## Solubility Information

Solubility	DMSO: 150 mg/mL (187.53 mM), Sonication is recommended. ( < 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (1.25 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

---

	1mg	5mg	10mg
1 mM	1.2502 mL	6.2509 mL	12.5019 mL
5 mM	0.250 mL	1.2502 mL	2.5004 mL
10 mM	0.125 mL	0.6251 mL	1.2502 mL
50 mM	0.025 mL	0.125 mL	0.250 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.

### Reference

Nathanael S G, et al. Degradors of wee1 kinase. WO2020069105A1.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481