

**Product Name:** ZNL 02-096

**Catalog No.:** 7240

**Batch No.:** 1

CAS Number: 2414418-49-6

IUPAC Name: 4-((3-(4-(4-((2-Allyl-1-(6-(2-hydroxypropan-2-yl)pyridin-2-yl)-3-oxo-2,3-dihydro-1*H*-pyrazolo[3,4-*d*]pyrimidin-6-yl)amino)phenyl)piperazin-1-yl)propyl)amino)-2-(2,6-dioxopiperidin-3-yl)isoindoline-1,3-dione

## 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>42</sub>H<sub>45</sub>N<sub>11</sub>O<sub>6</sub>·2<sup>3</sup>/<sub>4</sub>H<sub>2</sub>O

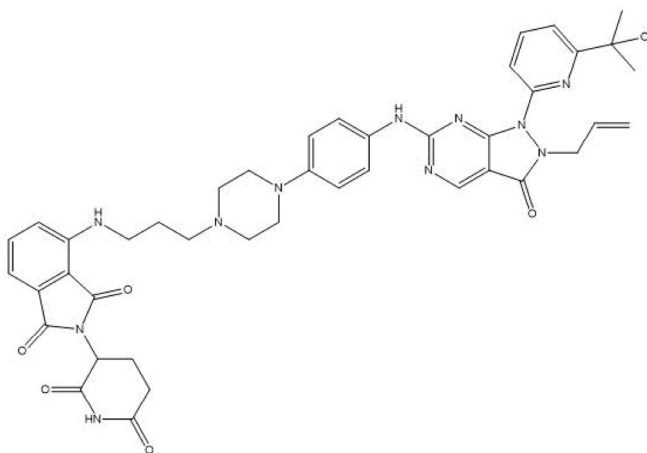
**Batch Molecular Weight:** 849.43

**Physical Appearance:** Yellow solid

**Solubility:** DMSO to 50 mM

**Storage:** Store at -20°C

**Batch Molecular Structure:**



## 2. ANALYTICAL DATA

**HPLC:** Shows 99.3% purity

**<sup>1</sup>H NMR:** Consistent with structure

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

|             | Carbon | Hydrogen | Nitrogen |
|-------------|--------|----------|----------|
| Theoretical | 59.39  | 5.99     | 18.14    |
| Found       | 59.17  | 5.56     | 18.06    |

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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**1**

CAS Number: 2414418-49-6

IUPAC Name: 4-((3-(4-(4-((2-Allyl-1-(6-(2-hydroxypropan-2-yl)pyridin-2-yl)-3-oxo-2,3-dihydro-1H-pyrazolo[3,4-d]pyrimidin-6-yl)amino)phenyl)piperazin-1-yl)propyl)amino)-2-(2,6-dioxopiperidin-3-yl)isoindoline-1,3-dione

**Description:**

ZNL 02-096 is a potent and selective Wee1 Degradator (PROTAC®) that comprises the Wee1 inhibitor AZD 1775 joined by a linker to the cereblon-binding ligand Pomalidomide (Cat. No. 6302). ZNL 02-096 selectively degrades Wee1 at submicromolar concentrations, while sparing PLK1, an AZD 1775 secondary target. In MOLT-4 cells in vitro, ZNL 02-096 induces degradation of Wee1, accumulation of DNA damage, arrest of the cell cycle in the G<sub>2</sub>/M phase and apoptosis. The compound shows antiproliferative effects in a panel of 300 cancer cell lines. Wee1 antibody validated for Western Blot also available: Catalog # NBP1-33506. PROTAC® is a registered... Please see product specific page on www.tocris.com for full description.

**Physical and Chemical Properties:**

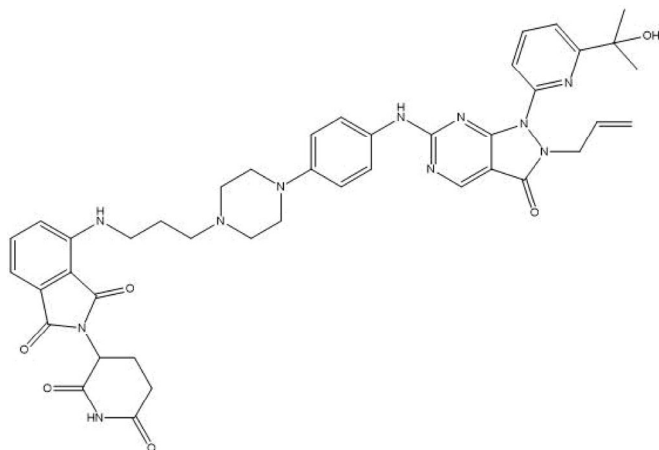
Batch Molecular Formula: C<sub>42</sub>H<sub>45</sub>N<sub>11</sub>O<sub>6</sub>·2¾H<sub>2</sub>O

Batch Molecular Weight: 849.43

Physical Appearance: Yellow solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**References:**

Li *et al* (2020) Development and characterization of a Wee1 kinase degrader. *Cell Chem.Biol.* **27** 57. PMID: 31735695.

**Storage:** Store at -20°C

**Solubility & Usage Info:**

DMSO to 50 mM

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. \*Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

**Licensing Information:**

Sold under license from Dana-Farber Cancer Institute.

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