Print Date: May 17th 2021

Certificate of Analysis

www.tocris.com

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: $C_{42}H_{45}N_{11}O_6.2¾H_2O$

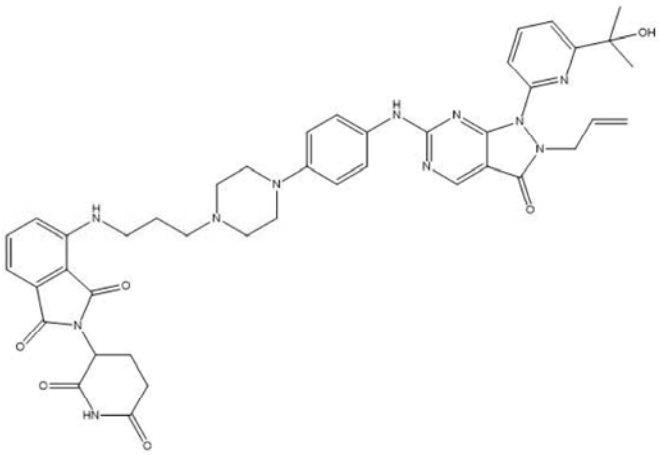
Batch Molecular Weight: 849.43

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

^{1}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

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Product Information

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Description:

ZNL 02-096 is a potent and selective Wee1 Degrader (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_2/M phase and apoptosis. The compound shows antiproliferative effects in a panel of 300 cancer cell lines. PROTAC® is a registered trademark of Arvinas Operations, Inc., and is used under license. Please see product datasheet on www.tocris.com for full description.

Physical and Chemical Properties:

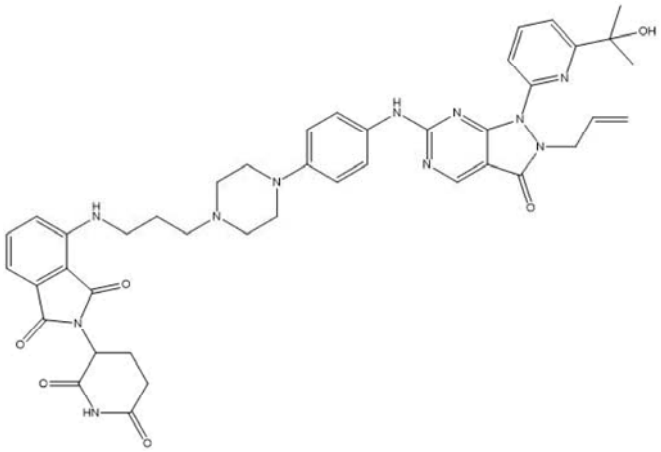
Batch Molecular Formula: $C_{42}H_{45}N_{11}O_6.2¾H_2O$

Batch Molecular Weight: 849.43

Physical Appearance: Yellow solid

Minimum Purity: ≥98%

Batch Molecular Structure:



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. Our standard recommendations are:

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.

References:

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

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