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Product Name: BSJ-04-132 **Catalog No.:** 6937 **Batch No.:** 1
CAS Number: 2349356-39-2
IUPAC Name: 7-Cyclopentyl-2-[[5-[4-[4-[2-[[2-(2,6-dioxopiperidin-3-yl)-1,3-dioxoisindolin-4-yl]oxy]acetamido]butyl]piperazin-1-yl]pyridin-2-yl]amino]-*N,N*-dimethyl-7*H*-pyrrolo[2,3*d*]pyrimidine-6-carboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₄₂H₄₉N₁₁O₇·2½H₂O
Batch Molecular Weight: 864.96
Physical Appearance: Yellow solid
Solubility: DMSO to 100 mM
Storage: Store at -20°C

2. ANALYTICAL DATA

TLC: R_f = 0.35 (Dichloromethane:Methanol [17:3])
HPLC: Shows 97.5% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon Hydrogen Nitrogen		
Theoretical	58.32	6.29	17.81
Found	58.09	6	17.54

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

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Description:

BSJ-04-132 is a selective Cdk4 Degradator (PROTAC®). Degrades Cdk4 in Molt-4 cells, with no effect on Cdk6 levels. Displays cereblon-dependent degradation. PROTAC® is a registered trademark of Arvinas Operations, Inc., and is used under license.

Physical and Chemical Properties:

Batch Molecular Formula: C₄₂H₄₉N₁₁O₇·2½H₂O
 Batch Molecular Weight: 864.96
 Physical Appearance: Yellow solid

Minimum Purity: ≥98%

Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 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:

Jiang et al (2019) Development of dual and selective degraders of cyclin-dependent kinases 4 and 6. *Angew.Chem.Int.Ed.Engl.* **58** 6321. PMID: 30802347.

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