

**Product Name:** BSJ-04-132

**Catalog No.:** 6937

**Batch No.:** 1

**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:** C<sub>42</sub>H<sub>49</sub>N<sub>11</sub>O<sub>7</sub>·2½H<sub>2</sub>O  
**Batch Molecular Weight:** 864.96  
**Physical Appearance:** Yellow solid  
**Solubility:** DMSO to 100 mM  
**Storage:** Store at -20°C

**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.35 (Dichloromethane:Methanol [17:3])  
**HPLC:** Shows 97.5% purity  
**<sup>1</sup>H 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

**bio-techne.com**  
 info@bio-techne.com  
 techsupport@bio-techne.com

**North America**  
 Tel: (800) 343 7475

**China**  
 info.cn@bio-techne.com  
 Tel: +86 (21) 52380373

**Europe Middle East Africa**  
 Tel: +44 (0)1235 529449

**Rest of World**  
 www.tocris.com/distributors  
 Tel:+1 612 379 2956

**Product Name:** BSJ-04-132

**Catalog No.:** 6937

**Batch No.:** 1

**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

**Description:**

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: C<sub>42</sub>H<sub>49</sub>N<sub>11</sub>O<sub>7</sub>·2½H<sub>2</sub>O

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.

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

**bio-techne.com**

info@bio-techne.com

techsupport@bio-techne.com

**North America**

Tel: (800) 343 7475

**China**

info.cn@bio-techne.com

Tel: +86 (21) 52380373

**Europe Middle East Africa**

Tel: +44 (0)1235 529449

**Rest of World**

www.tocris.com/distributors

Tel:+1 612 379 2956