

**Product Name:** BSJ-03-204

**Catalog No.:** 6938

**Batch No.:** 1

CAS Number: 2349356-09-6

IUPAC Name: *N*-[4-[4-[6-[(6-Acetyl-8-cyclopentyl-7,8-dihydro-5-methyl-7-oxopyrido[2,3-*d*]pyrimidin-2-yl)amino]-3-pyridinyl]-1-piperazinyl]butyl]-2-[[2-(2,6-dioxo-3-piperidinyl)-2,3-dihydro-1,3-dioxo-1*H*-isoindol-4-yl]oxy]acetamide

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>43</sub>H<sub>48</sub>N<sub>10</sub>O<sub>8</sub>.1¼H<sub>2</sub>O

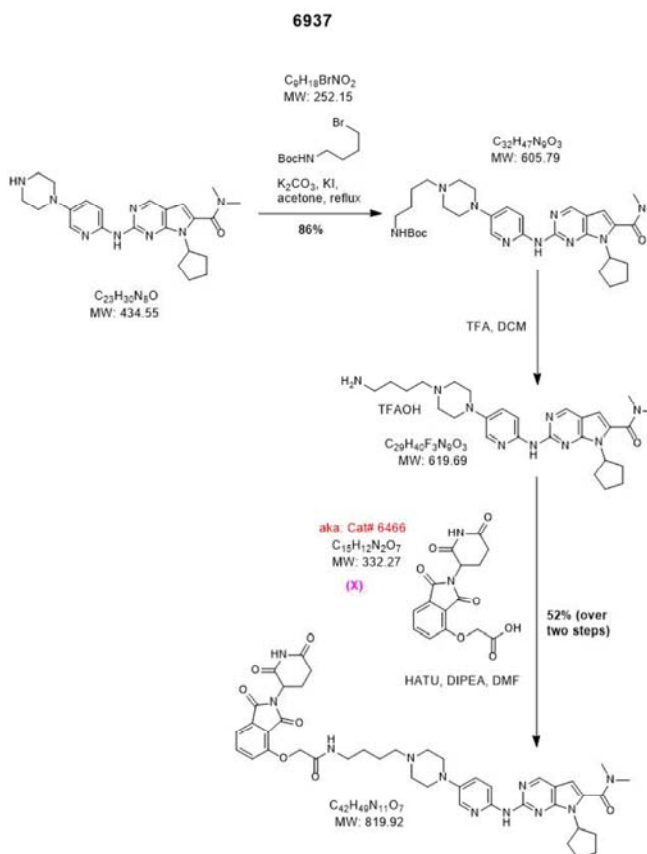
**Batch Molecular Weight:** 855.44

**Physical Appearance:** Yellow solid

**Solubility:** DMSO to 20 mM

**Storage:** Store at -20°C

**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.35 (Dichloromethane:Methanol [9:1])

**HPLC:** Shows 97.7% purity

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

**Mass Spectrum:** Consistent with structure

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

**Microanalysis:**

Carbon Hydrogen Nitrogen

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**China**

**Europe Middle East Africa**

**Rest of World**

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Theoretical: 60.38 5.95 16.37  
Found: 59.96 5.85 16.04

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**Description:**

Selective Cdk4/6 degrader. Displays cereblon-dependent degradation with no effect on IKZF1/3 in Molt4 cells. Induces degradation of Cdk4/6 and G<sub>1</sub> cell cycle arrest, and inhibits cell proliferation in a mantle cell lymphoma (MCL) cell line.

**Physical and Chemical Properties:**

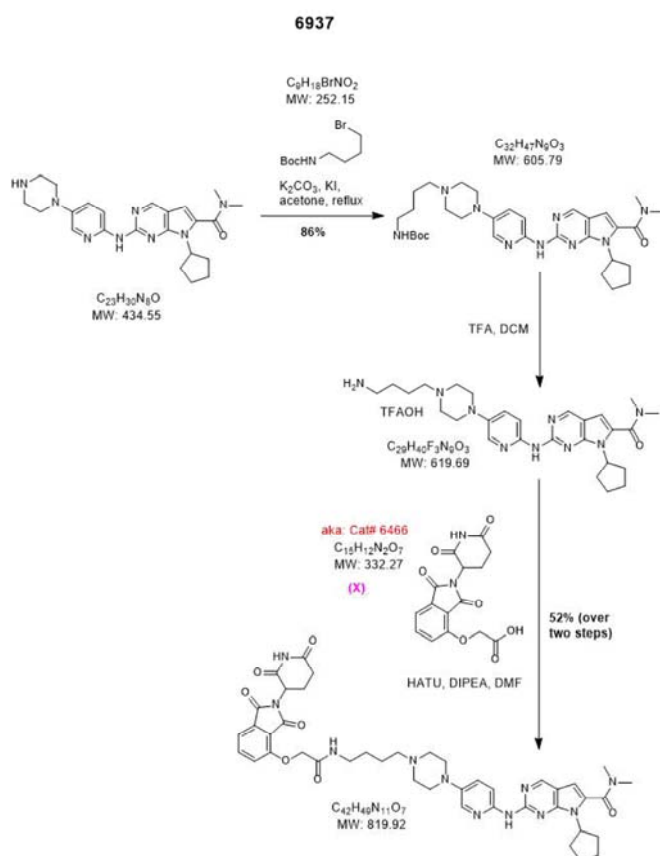
Batch Molecular Formula: C<sub>43</sub>H<sub>48</sub>N<sub>10</sub>O<sub>8</sub>.1¼H<sub>2</sub>O

Batch Molecular Weight: 855.44

Physical Appearance: Yellow solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

DMSO to 20 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

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