

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-1H-isoindol-4-yl]oxy]acetamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₄₃H₄₈N₁₀O₈.1¼H₂O

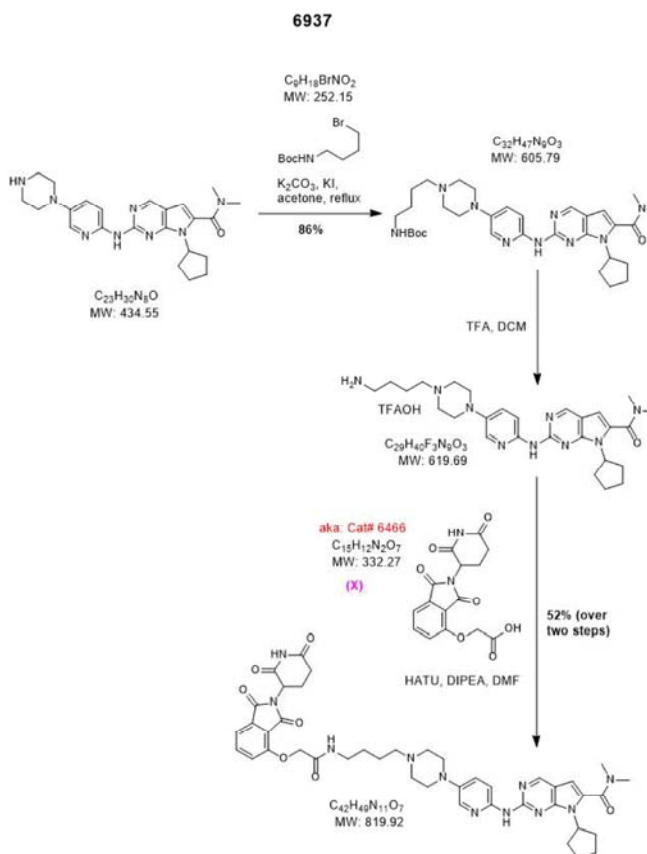
Batch Molecular Weight: 855.44

Physical Appearance: Yellow solid

Solubility: DMSO to 20 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.35 (Dichloromethane:Methanol [9:1])

HPLC: Shows 97.7% purity

¹H 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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North America

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 Degradator (PROTAC®). Displays cereblon-dependent degradation with no effect on IKZF1/3 in Molt4 cells. Induces degradation of Cdk4/6 and G₁ cell cycle arrest, and inhibits cell proliferation in a mantle cell lymphoma (MCL) cell line. PROTAC® is a registered trademark of Arvinas Operations, Inc., and is used under license.

Physical and Chemical Properties:

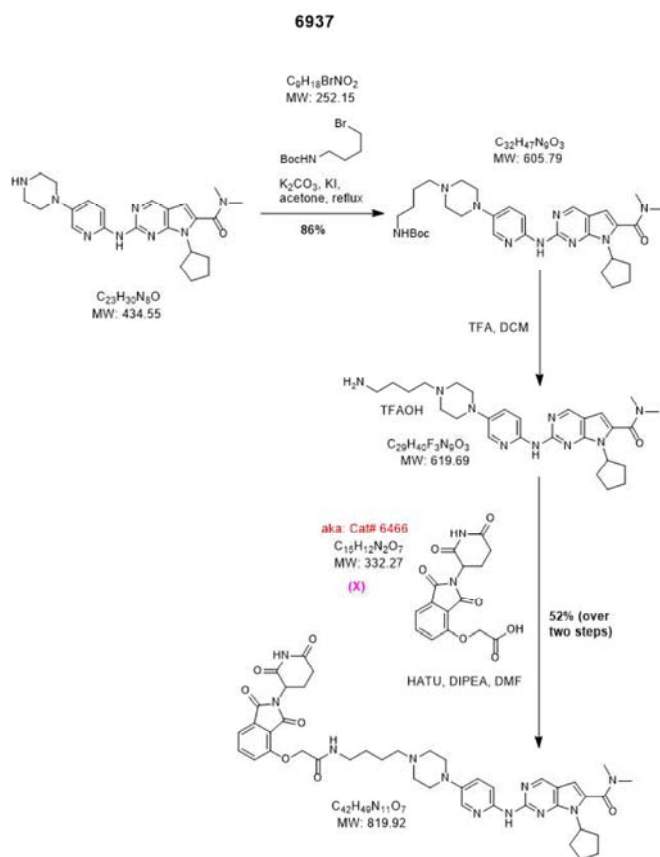
Batch Molecular Formula: C₄₃H₄₈N₁₀O₈·1¼H₂O

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.
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