

Product Name: BSJ-03-123

Catalog No.: 6921

Batch No.: 1

CAS Number: 2361493-16-3

IUPAC Name: *N*-[2-[2-[2-[2-[4-[6-[(6-Acetyl-8-cyclopentyl-7,8-dihydro-5-methyl-7-oxopyrido[2,3-*d*]pyrimidin-2-yl)amino]-3-pyridinyl]-1-piperazinyl]ethoxy]ethoxy]ethoxy]ethyl]-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: C₄₇H₅₆N₁₀O₁₁.H₂O

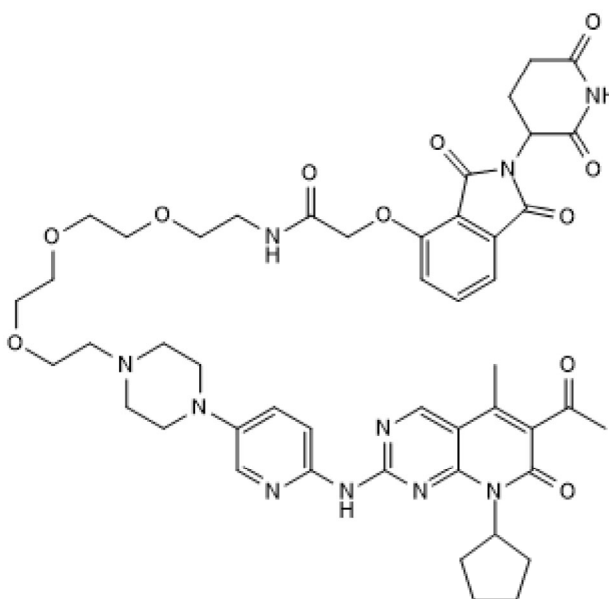
Batch Molecular Weight: 955.04

Physical Appearance: Yellow solid

Solubility: DMSO to 100 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.77 (Dichloromethane:Methanol [4:1])

HPLC: Shows 98.2% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	59.11	6.12	14.67
Found	58.81	5.96	14.46

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

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Description:

BSJ-03-123 is a selective Cdk6 Degradator (PROTAC[®]) (DC₅₀ in sub 10 μM range). Displays no degradation of closely related Cdk4. Negative control BSJ-Bump (Cat. No. 6922) and Cdk6 antibody validated for Western Blot also available: Catalog # NBP1-87262. PROTAC[®] is a registered trademark of Arvinas Operations, Inc., and is used under license.

Physical and Chemical Properties:

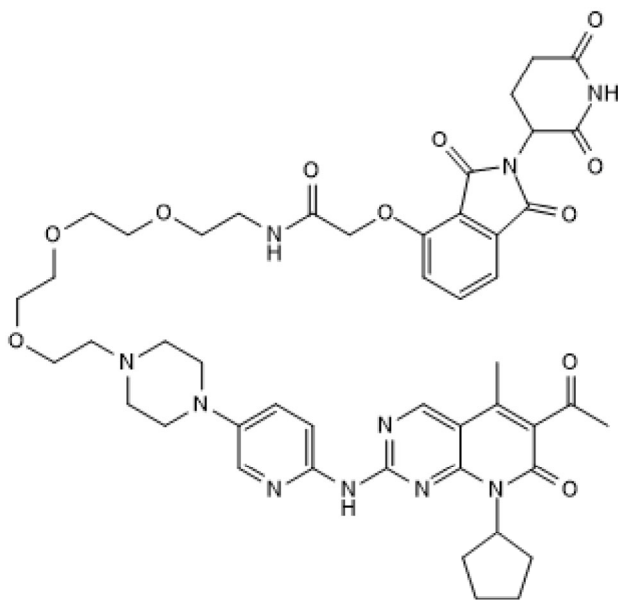
Batch Molecular Formula: C₄₇H₅₆N₁₀O₁₁.H₂O

Batch Molecular Weight: 955.04

Physical Appearance: Yellow solid

Minimum Purity: ≥98%

Batch Molecular Structure:



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. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

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:

Brand et al (2019) Homolog-selective degradation as a strategy to probe the function of CDK6 in AML. *Cell Chem.Biol.* **26** 300. PMID: 30595531.

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