

Product Name: JH-XI-10-02

Catalog No.: 7304

Batch No.: 1

CAS Number: 2209085-22-1

IUPAC Name: 15-[[2-(2,6-Dioxo-3-piperidinyl)-2,3-dihydro-1,3-dioxo-1*H*-isoindol-4-yl]amino]-*N*-[(3β,5α,17β)-17-(7-isoquinolinyl)androstan-3-yl]-*N*-methyl-4,7,10,13-tetraoxapentadecanamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₅₃H₆₉N₅O₉ · 1¾H₂O

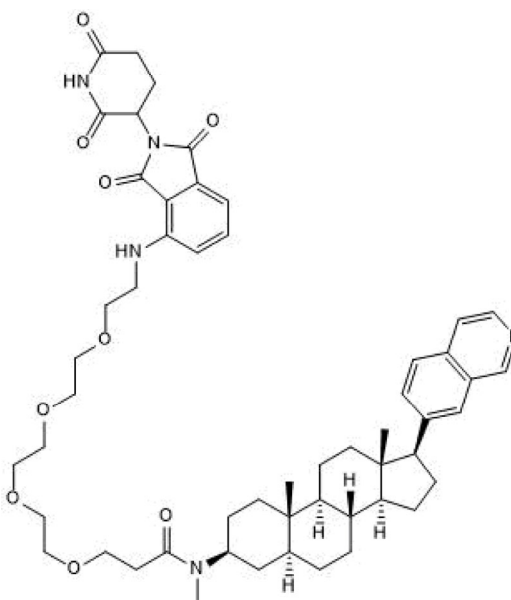
Batch Molecular Weight: 951.68

Physical Appearance: Yellow solid

Solubility: DMSO to 50 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 100.0% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	66.89	7.68	7.36
Found	66.75	7.32	7.25

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

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Description:

JH-XI-10-02 is a CDK8 Degradator (PROTAC®) comprising the cereblon binding ligand Pomalidomide (Cat. No. 6302) joined by a linker to a CDK8 inhibitor. JH-XI-10-02 (1 μM) induces significant proteasome-dependent degradation of CDK8 in Jurkat cells after 24 h, with no significant effect on CDK19 levels. CDK8 antibody validated for Western Blot also available: Catalog # NBP2-92972.

Physical and Chemical Properties:

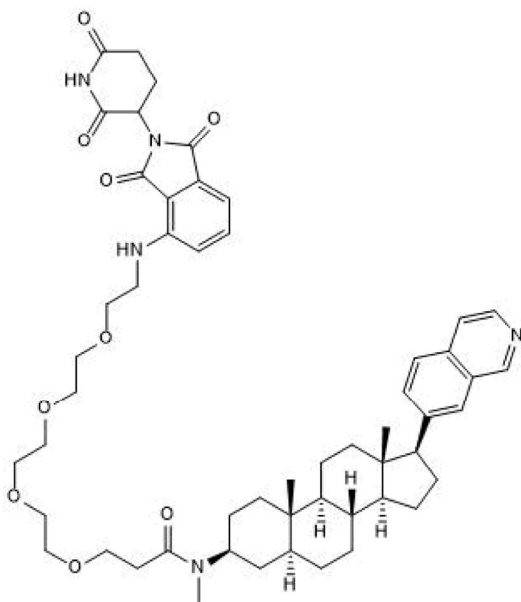
Batch Molecular Formula: C₅₃H₆₉N₅O₉·1¼H₂O

Batch Molecular Weight: 951.68

Physical Appearance: Yellow solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 50 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:

Hatcher *et al* (2018) Development of highly potent and selective steroidal inhibitors and degraders of CDK8. ACS Med.Chem.Lett. 9 540. PMID: 29937979.

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