

Product Name: SJ 3149

Catalog No.: 8141

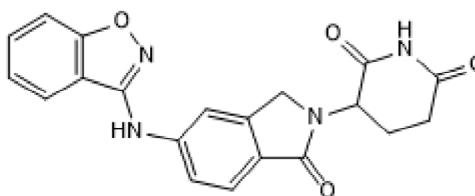
Batch No.: 1

CAS Number: 3026986-17-1

IUPAC Name: 3-(5-(Benzo[d]isoxazol-3-ylamino)-1-oxoisindolin-2-yl)piperidine-2,6-dione

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₀H₁₆N₄O₄.
Batch Molecular Weight: 376.37
Physical Appearance: Off White solid
Solubility: DMSO to 100 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.5% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	63.83	4.29	14.89
Found	63.76	3.9	14.82

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

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Description:

SJ 3149 is a potent and selective CK1 α molecular glue Degradator (DC₅₀ = 3.7 nM; Dmax 95% in MOLM-13 cells). SJ 3149 induced near-complete degradation of the CK1 α protein (DC₅₀ = 6 nM at 4 hours). Potently inhibits the viability of MOLM-13 cells (IC₅₀ = 13 nM). SJ 3149 displays a broad antiproliferative activity profile on a panel of acute leukemia and solid tumor cell lines. In vivo, SJ 3149 degrades CK1 α protein levels in NSG mice transplanted with MOLM-13 cells. SJ 3149 shows 76% orally bioavailability.

Physical and Chemical Properties:

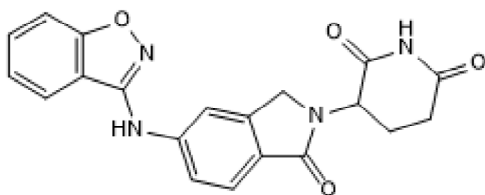
Batch Molecular Formula: C₂₀H₁₆N₄O₄.

Batch Molecular Weight: 376.37

Physical Appearance: Off White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



References:

Nishiguchi *et al* (2024) Selective CK1 α degraders exert antiproliferative activity against a broad range of human cancer cell lines. Nat. Commun. **15** 482. PMID: 38228616.

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 St. Jude Children's Research Hospital.

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