

Product Name: SJ 1008030

Catalog No.: 7675

Batch No.: 1

IUPAC Name: 4-((4-(1-(3-(Cyanomethyl)-1-(ethylsulfonyl)azetidin-3-yl)-1H-pyrazol-4-yl)-7H-pyrrolo[2,3-d]pyrimidin-2-yl)amino)-N-(2-(4-(2-(2,6-dioxopiperidin-3-yl)-1,3-dioxoisindolin-5-yl)piperazin-1-yl)ethyl)benzamide trifluoroacetate

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₄₂H₄₃N₁₃O₇S.CF₃CO₂H.3H₂O

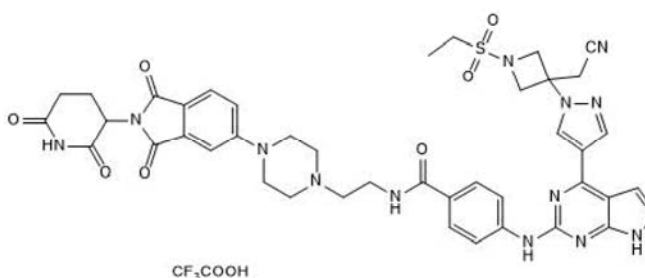
Batch Molecular Weight: 1042.02

Physical Appearance: Yellow solid

Solubility: DMSO to 50 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.6% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	50.72	4.84	17.47
Found	50.4	4.7	17.14

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

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Description:

SJ 1008030 is a potent and selective JAK2 Degrader (PROTAC®). This compound shows potent antileukemic efficacy in CRLF2r ALL (Acute Lymphoblastic Leukemia) cell lines (EC₅₀ = 5.4 nM). SJ 1008030 induces dose-dependent JAK2 degradation (IC₅₀ = 32.05 nM) in xenograft models of kinase-driven ALL, with no effect on GSPT1 levels. PROTAC® is a registered trademark of Arvinas Operations, Inc., and is used under license.

Physical and Chemical Properties:

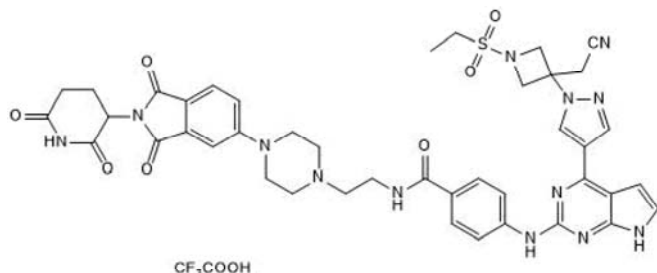
Batch Molecular Formula: C₄₂H₄₃N₁₃O₇S.CF₃CO₂H.3H₂O

Batch Molecular Weight: 1042.02

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. 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 St. Jude Children's Research Hospital

References:

Chang et al (2021) Degradation of Janus kinases in CRLF2-rearranged acute lymphoblastic leukemia. *Blood* **138** 2313. PMID: 34110416.

Constantinescu et al (2021) Degrading JAK2 in ALL by ruxolitinib-based PROTACs. *Blood* **138** 2301. PMID: 34882211.

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