

Product Name: JQ dS-4

Catalog No.: 8152

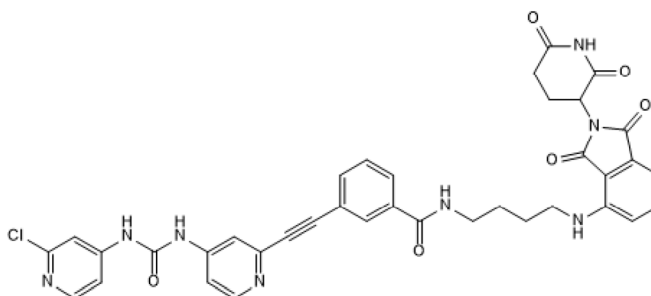
Batch No.: 1

CAS Number: 2688882-69-9

IUPAC Name: 3-((4-(3-(2-Chloropyridin-4-yl)ureido)pyridin-2-yl)ethynyl)-N-(4-((2-(2,6-dioxopiperidin-3-yl)-1,3-dioxoisindolin-4-yl)amino)butyl)benzamide

1. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-----------------------------------|---|
| Batch Molecular Formula: | C ₃₇ H ₃₁ ClN ₈ O ₆ |
| Batch Molecular Weight: | 719.16 |
| Physical Appearance: | Yellow solid |
| Solubility: | DMSO to 100 mM |
| Storage: | Store at -20°C |
| Batch Molecular Structure: | |



2. ANALYTICAL DATA

| | |
|---------------------------|---------------------------|
| HPLC: | Shows 95.9% purity |
| ¹H NMR: | Consistent with structure |
| Mass Spectrum: | Consistent with structure |

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

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Description:

JQ dS-4 is a Brahma-related gene 1 (BRG1)/BRM/SMARCA4 Degradator (PROTAC®; IC₅₀ range = 9 - 390 nM in glioma models and cell lines). Comprises a BRG1 inhibitor joined by a linker to a cereblon (CRBN) E3 ligase ligand. Completely degrades BRG1 after 48 and 72 hours in HSJD-DIPG007 and SU-DIPGXIIIIP cells and reduces viability of a variety of cancer cell lines including H3K27M glioma, prostate, thyroid and salivary gland. PROTAC® is a registered trademark of Arvinas Operations, Inc., and is used under license.

Physical and Chemical Properties:

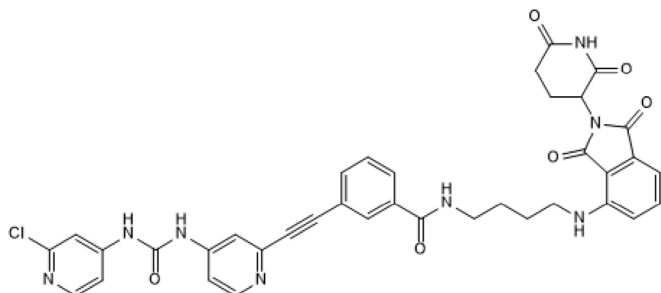
Batch Molecular Formula: C₃₇H₃₁ClN₈O₆

Batch Molecular Weight: 719.16

Physical Appearance: Yellow solid

Minimum Purity: ≥95%

Batch Molecular Structure:



References:

Panditharatna et al (2022) BAF complex maintains glioma stem cells in pediatric H3K27M glioma. *Cancer Discov.* **12** 2880. PMID: 36305736.

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

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