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TOCRIS

Print Date: Jun 21st 2024

# Certificate of Analysis

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**Product Name:** **JPS016NC** **Catalog No.: 8084** **Batch No.: 1**

CAS Number: 3031358-94-5

IUPAC Name: (2*S*,4*S*)-1-((*S*)-2-(2-((9-(2-((4-((2-Aminophenyl)carbamoyl)phenyl)amino)-2-oxoethoxy)nonyl)oxy)acetamido)-3,3-dimethylbutanoyl)-4-hydroxy-*N*-(4-(4-methylthiazol-5-yl)benzyl)pyrrolidine-2-carboxamide

## 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** $C_{48}H_{63}N_7O_8S$.

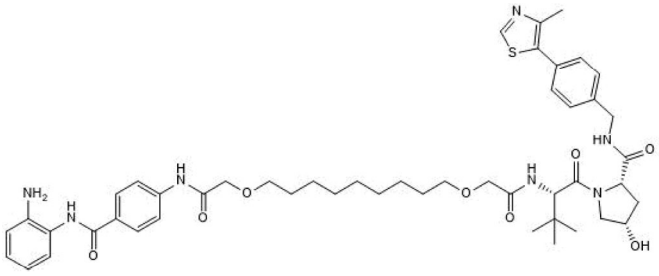
**Batch Molecular Weight:** 898.13

**Physical Appearance:** White solid

**Solubility:** DMSO to 100 mM

**Storage:** Store at -20°C

**Batch Molecular Structure:**



## 2. ANALYTICAL DATA

**HPLC:** Shows 97.2% purity

**$^1$H NMR:** Consistent with structure

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

| | Carbon | Hydrogen | Nitrogen |
|---|---|---|---|
| Theoretical | 64.19 | 7.07 | 10.92 |
| Found | 63.31 | 7.14 | 10.61 |

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

JPS016NC is the negative control for JPS036 (Cat. No. 8085).

**Physical and Chemical Properties:**

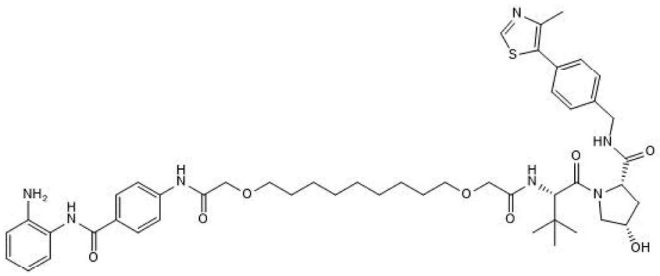
Batch Molecular Formula: $C_{48}H_{63}N_7O_8S$.

Batch Molecular Weight: 898.13

Physical Appearance: White solid

**Minimum Purity:** ≥97%

**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 the University of Leicester

**References:**

**Smalley** *et al* (2022) Optimization of class I histone deacetylase PROTACs reveals that HDAC1/2 degradation is critical to induce apoptosis and cell arrest in cancer cells. J.Med.Chem. ***65*** 5642. PMID: 35293758.