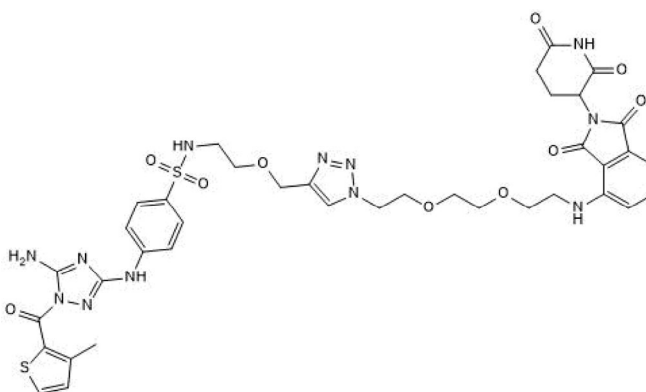


**Product Name:** CPS2 **Catalog No.:** 7800 **Batch No.:** 1  
**CAS Number:** 2756741-90-7  
**IUPAC Name:** 4-[[[5-Amino-1-[(3-methyl-2-thienyl)carbonyl]-1*H*-1,2,4-triazol-3-yl]amino]-*N*-[2-[[[1-[2-[2-[2-[[2-(2,6-dioxo-3-piperidinyl)-2,3-dihydro-1,3-dioxo-1*H*-isoindol-4-yl]amino]ethoxy]ethoxy]ethyl]-1*H*-1,2,3-triazol-4-yl]methoxy]ethyl]benzenesulfonamide

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>38</sub>H<sub>42</sub>N<sub>12</sub>O<sub>10</sub>S<sub>2</sub>·½H<sub>2</sub>O  
**Batch Molecular Weight:** 899.96  
**Physical Appearance:** Yellow solid  
**Solubility:** DMSO to 100 mM  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 99.0% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	50.71	4.82	18.68
Found	49.81	4.72	18.23

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**Catalog No.:** 7800

1

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**Description:**

CPS2 is a potent and selective CDK2 Degradator (PROTAC®) (IC<sub>50</sub> = 24 nM). It induces CDK2 degradation in several AML cell lines, including NB4, U937, OCI-AML2, OCI-AML3 and Kasumi-1 cells. It induces differentiation of AML cell lines, primary AML cells, and granulocytic differentiation of HSCs. PROTAC® is a registered trademark of Arvinas Operations, Inc., and is used under license.

**Physical and Chemical Properties:**

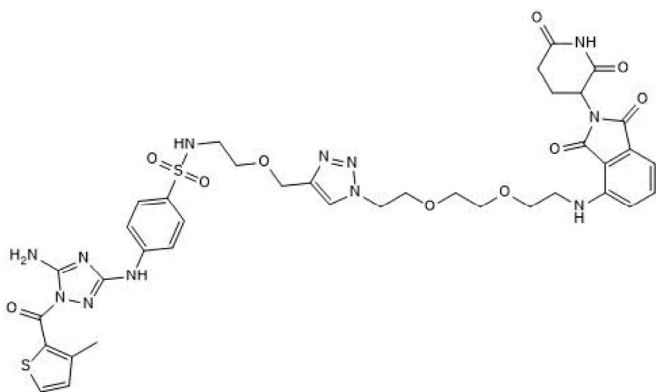
Batch Molecular Formula: C<sub>38</sub>H<sub>42</sub>N<sub>12</sub>O<sub>10</sub>S<sub>2</sub>·½H<sub>2</sub>O

Batch Molecular Weight: 899.96

Physical Appearance: Yellow solid

**Minimum Purity:** ≥98%

**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.

**References:**

**Wang et al** (2021) Discovery of a first-in-class CDK2 selective degrader for AML differentiation therapy. *Nat.Chem.Biol.* **17** 567. PMID: 33664520.

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