

**Product Name:** UNC 6852

**Catalog No.:** 7816

**Batch No.:** 1

CAS Number: 2688842-08-0

IUPAC Name: (2*S*,4*R*)-1-((*S*)-2-(4-(4-(5-((Furan-2-ylmethyl)amino)-[1,2,4]triazolo[4,3-*c*]pyrimidin-8-yl)benzamido)butanamido)-3,3-dimethylbutanoyl)-4-hydroxy-*N*-(4-(4-methylthiazol-5-yl)benzyl)pyrrolidine-2-carboxamide

## 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>43</sub>H<sub>48</sub>N<sub>10</sub>O<sub>6</sub>S·2H<sub>2</sub>O

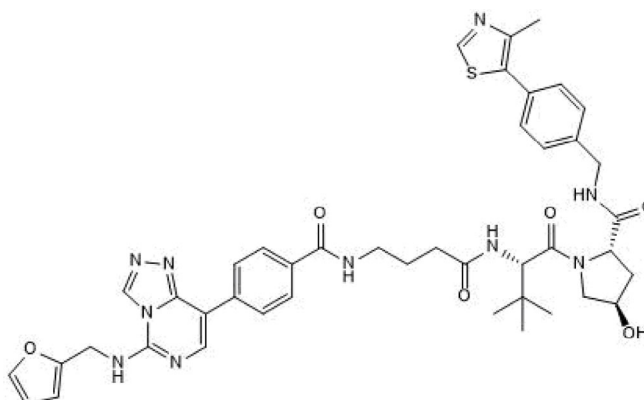
**Batch Molecular Weight:** 869.01

**Physical Appearance:** White solid

**Solubility:** DMSO to 100 mM

**Storage:** Store at -20°C

**Batch Molecular Structure:**



## 2. ANALYTICAL DATA

**HPLC:** Shows 100.0% purity

**<sup>1</sup>H NMR:** Consistent with structure

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	59.43	6.03	16.12
Found	58.51	5.61	15.79

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

**bio-techne.com**

info@bio-techne.com

techsupport@bio-techne.com

**North America**

Tel: (800) 343 7475

**China**

info.cn@bio-techne.com

Tel: +86 (21) 52380373

**Europe Middle East Africa**

Tel: +44 (0)1235 529449

**Rest of World**

www.tocris.com/distributors

Tel: +1 612 379 2956

<b>Product Name:</b>	<b>UNC 6852</b>	<b>Catalog No.:</b>	<b>7816</b>	<b>1</b>
CAS Number:	2688842-08-0			
IUPAC Name:	(2 <i>S</i> ,4 <i>R</i> )-1-(( <i>S</i> )-2-(4-(4-(5-((Furan-2-ylmethyl)amino)-[1,2,4]triazolo[4,3- <i>c</i> ]pyrimidin-8-yl)benzamido)butanamido)-3,3-dimethylbutanoyl)-4-hydroxy- <i>N</i> -(4-(4-methylthiazol-5-yl)benzyl)pyrrolidine-2-carboxamide			

**Description:**

UNC 6852 is a polycomb repressive complex 2 (PRC2) Degradator (PROTAC<sup>®</sup>; DC<sub>50</sub> = 0.79 μM). It comprises an EED (embryonic ectoderm development) based ligand, joined by a linker to a von Hippel-Lindau ligand. In B lymphoblast cell lines, UNC 6852 selectively degrades PRC2 components EED (DC<sub>50</sub> = 0.31 μM, D<sub>max</sub> = 94%), enhancer of zeste homolog 2 (EZH2, DC<sub>50</sub> = 0.67 μM, D<sub>max</sub> = 96%), and suppressor of zeste homolog 12 (SUZ12, DC<sub>50</sub> = 0.59 μM, D<sub>max</sub> = 82%). In zebrafish, UNC 6852 treatment increases transcription of *tfpia* and prolongs time to occlusion (TTO) in the caudal vein following laser injury. PROTAC<sup>®</sup> is a registered t... Please see product specific page on www.tocris.com for full description.

**Physical and Chemical Properties:**

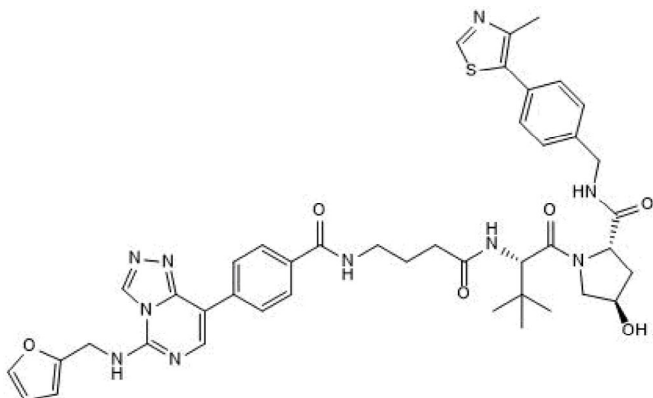
Batch Molecular Formula: C<sub>43</sub>H<sub>48</sub>N<sub>10</sub>O<sub>6</sub>S.2H<sub>2</sub>O

Batch Molecular Weight: 869.01

Physical Appearance: White solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**References:**

**Raman et al (2021)** Knockdown screening of chromatin binding and regulatory proteins in zebrafish identified Suz12b as a regulator of *tfpia* and an antithrombotic drug target. *Sci.Rep.* **11** 15238. PMID: 34315984.

**Potjewyd et al (2020)** Degradation of polycomb repressive complex 2 with an EED-targeted bivalent chemical degrader. *Cell Chem.Biol.* **27** 47. PMID: 31831267.

**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.

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

**bio-techne.com**

info@bio-techne.com

techsupport@bio-techne.com

**North America**

Tel: (800) 343 7475

**China**

info.cn@bio-techne.com

Tel: +86 (21) 52380373

**Europe Middle East Africa**

Tel: +44 (0)1235 529449

**Rest of World**

www.tocris.com/distributors

Tel:+1 612 379 2956