

**Product Name:** H10

**Catalog No.:** 6228

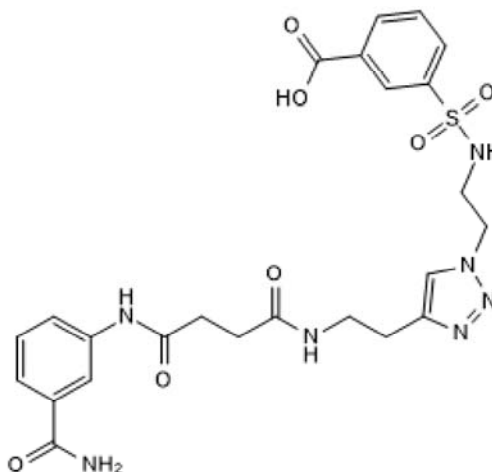
**Batch No.:** 1

CAS Number: 2084811-68-5

IUPAC Name: 3-(N-(2-(4-(2-(4-((3-Carbamoylphenyl)amino)-4-oxobutanamido)ethyl)-1H-1,2,3-triazol-1-yl)ethyl)sulfamoyl)benzoic acid

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>24</sub>H<sub>27</sub>N<sub>7</sub>O<sub>7</sub>S.½H<sub>2</sub>O  
**Batch Molecular Weight:** 566.59  
**Physical Appearance:** White solid  
**Solubility:** DMSO to 50 mM  
 1eq. NaOH to 20 mM  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.23 (Dichloromethane:Methanol [3:2])  
**HPLC:** Shows 99.6% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	50.88	4.98	17.3
Found	50.77	4.91	17.18

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**Description:**

PARP14 inhibitor (IC<sub>50</sub> = 490 nM). Exhibits ~ 24- and 18-fold selectivity for PARP14 over PARP1 and TNKS1, respectively. Binds both the nicotinamide and adenine sites on PARP14. Inhibits PARP14 and induces apoptosis in HepG2 and RPMI-8226 in cancer cells in vitro.

**Physical and Chemical Properties:**

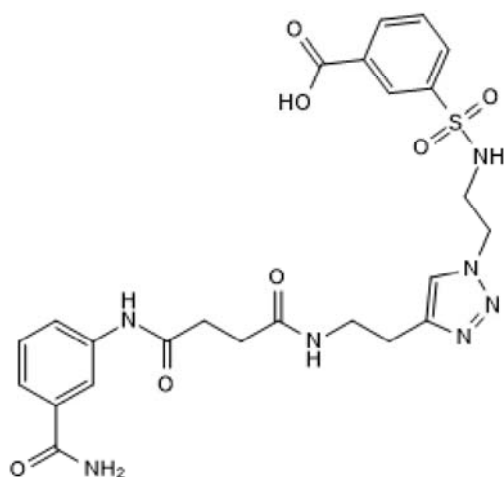
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Batch Molecular Weight: 566.59

Physical Appearance: White solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

DMSO to 50 mM

1eq. NaOH to 20 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.

**References:**

Peng *et al* (2017) Small molecule microarray based discovery of PARP14 inhibitors. *Angew.Chem.Int.Ed.Engl.* **56** 248. PMID: 27918638.

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