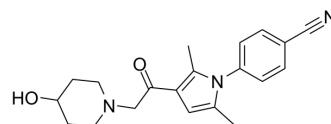


## IU1-248

Cat. No.:	HY-122885
CAS No.:	2307472-03-1
Molecular Formula:	C <sub>20</sub> H <sub>23</sub> N <sub>3</sub> O <sub>2</sub>
Molecular Weight:	337.42
Target:	Deubiquitinase
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	IU1-248, a derivative of IU1, is a potent and selective USP14 inhibitor with an IC <sub>50</sub> of 0.83 μM.
In Vitro	IU1-248 exhibits an IC <sub>50</sub> value of 0.83 μM toward USP14, which is comparable to that of IU1-47 (IC <sub>50</sub> =0.68 μM) and 10-fold more potent than that of IU1 (IC <sub>50</sub> =12.25 μM) <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Yiwei Wang, et al. Small molecule inhibitors reveal allosteric regulation of USP14 via steric blockade. Cell Res. 2018 Dec;28(12):1186-1194.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA