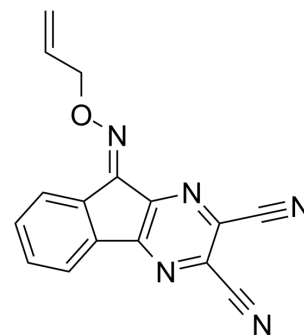


## DUB-IN-3

<b>Cat. No.:</b>	HY-50737		
<b>CAS No.:</b>	924296-17-3		
<b>Molecular Formula:</b>	C <sub>16</sub> H <sub>9</sub> N <sub>5</sub> O		
<b>Molecular Weight:</b>	287.28		
<b>Target:</b>	Deubiquitinase		
<b>Pathway:</b>	Cell Cycle/DNA Damage		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 25 mg/mL (87.02 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.4809 mL	17.4046 mL	34.8092 mL
5 mM	0.6962 mL	3.4809 mL	6.9618 mL
10 mM	0.3481 mL	1.7405 mL	3.4809 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

DUB-IN-3 is a potent deubiquitinase (USP) enzyme inhibitor extracted from reference compound 22c with an IC<sub>50</sub> of 0.56 μM for USP8<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

IC<sub>50</sub>: 0.56 μM (USP8)<sup>[1]</sup>

### CUSTOMER VALIDATION

- J Invest Dermatol. 2020 Jun;140(6):1154-1165.e5.
- Cell Death Dis. 2022 Mar 31;13(3):286.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

---

## REFERENCES

---

[1]. Colombo M, et al. Synthesis and biological evaluation of 9-oxo-9H-indeno[1,2-b]pyrazine-2,3-dicarbonitrile analogues as potential inhibitors of deubiquitinating enzymes. ChemMedChem. 2010 Apr 6;5(4):552-8.

---

**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](mailto:tech@MedChemExpress.com)

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