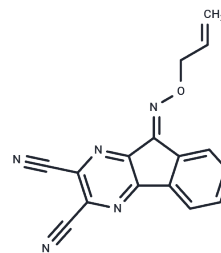


DUB-IN-3

## Chemical Properties

CAS No. : 924296-17-3  
 Formula: C<sub>16</sub>H<sub>9</sub>N<sub>5</sub>O  
 Molecular Weight: 287.28  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	DUB-IN-3 is a potent deubiquitinase (USP) enzyme inhibitor with an IC <sub>50</sub> of 0.56 μM for USP8.
Targets(IC <sub>50</sub> )	DUB

## Solubility Information

Solubility	DMSO: 3.33 mg/mL (11.59 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0696 mL	0.3481 mL	0.6962 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

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.

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