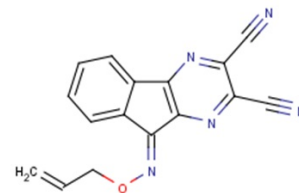


DUB-IN-3

Chemical Properties

CAS No.:	924296-17-3
Formula:	C ₁₆ H ₉ N ₅ O
Molecular Weight:	287.28
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	DUB-IN-3 is IC ₅₀ of 0.56 μ M for USP8, is a potent deubiquitinase (USP) enzyme inhibitor extracted from reference compound 22c.
Targets(IC ₅₀)	USP8: 0.56 μ M

Solubility Information

Solubility	DMSO: 25 mg/mL (87.02 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.481 mL	17.405 mL	34.809 mL
5 mM	0.696 mL	3.481 mL	6.962 mL
10 mM	0.348 mL	1.74 mL	3.481 mL
50 mM	0.07 mL	0.348 mL	0.696 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

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.

Inhibitors · Natural Compounds · Compound Libraries

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