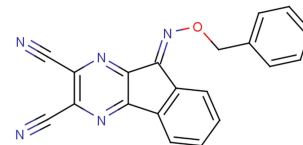


DUB-IN-1

Chemical Properties

CAS No.: 924296-18-4
Formula: C₂₀H₁₁N₅O
Molecular Weight: 337.33
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-1, with an IC ₅₀ value of 0.24 for USP8, is an active inhibitor of ubiquitin-specific protease (USPs).
Targets(IC ₅₀)	USP8: 0.24 μM

Solubility Information

Solubility	DMSO: 100 mg/mL (296.45 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.964 mL	14.822 mL	29.645 mL
5 mM	0.593 mL	2.964 mL	5.929 mL
10 mM	0.296 mL	1.482 mL	2.964 mL
50 mM	0.059 mL	0.296 mL	0.593 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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