

## USP7-IN-1

## Chemical Properties

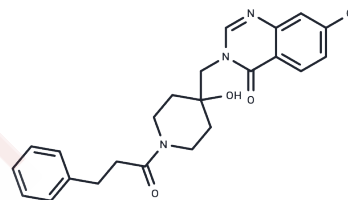
CAS No. : 1381291-36-6

Formula: C<sub>23</sub>H<sub>24</sub>ClN<sub>3</sub>O<sub>3</sub>

Molecular Weight: 425.91

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	USP7-IN-1 is a selective and reversible inhibitor of ubiquitin-specific protease 7 (USP7) with an IC <sub>50</sub> of 77 μM.
Targets(IC <sub>50</sub> )	DUB
In vitro	USP7-IN-1 is a selective and reversible USP7 inhibitor(IC <sub>50</sub> of 77 μM). USP7-IN-1 inhibits the proliferation of HCT116 cells(GI <sub>50</sub> of 67 μM).

## Solubility Information

Solubility	DMSO: 55 mg/mL (129.14 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.7 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	2.3479 mL	11.7396 mL	23.4791 mL
5 mM	0.4696 mL	2.3479 mL	4.6958 mL
10 mM	0.2348 mL	1.174 mL	2.3479 mL
50 mM	0.047 mL	0.2348 mL	0.4696 mL

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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

SELECTIVE AND REVERSIBLE INHIBITORS OF UBIQUITIN SPECIFIC PROTEASE 7. WO 2013030218 A1

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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