**Proteins** 

# **Product** Data Sheet

# USP7-IN-3

Cat. No.: HY-112128 CAS No.: 2202738-42-7 Molecular Formula:  $C_{29}H_{31}F_3N_6O_3$ Molecular Weight: 568.59

Target: Deubiquitinase

Pathway: Cell Cycle/DNA Damage

Storage: Powder -20°C In solvent

-80°C -20°C 1 month

3 years 6 months

## **SOLVENT & SOLUBILITY**

In Vitro

DMSO: 90 mg/mL (158.29 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg	10 mg
	1 mM	1.7587 mL	8.7937 mL	17.5874 mL
	5 mM	0.3517 mL	1.7587 mL	3.5175 mL
	10 mM	0.1759 mL	0.8794 mL	1.7587 mL

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

In Vivo

- 1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 4.5 mg/mL (7.91 mM); Clear solution
- 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE- $\beta$ -CD in saline) Solubility: ≥ 4.5 mg/mL (7.91 mM); Clear solution

### **BIOLOGICAL ACTIVITY**

Description	USP7-IN-3 (Compound 5) is a potent and selective allosteric ubiquitin-specific protease 7 (USP7) inhibitor <sup>[1]</sup> .
IC <sub>50</sub> & Target	USP7 <sup>[1]</sup>

#### **REFERENCES**

[1]. Gavory G, et al. Discovery and characterization of highly potent and selective allosteric USP7 inhibitors. Nat Chem Biol. 2018 Feb;14(2):118-125.

 $\label{lem:caution:Product} \textbf{Caution: Product has not been fully validated for medical applications. For research use only.}$ 

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