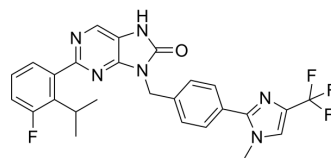


## USP1-IN-2

Cat. No.:	HY-148099		
CAS No.:	2098212-05-4		
Molecular Formula:	C <sub>26</sub> H <sub>22</sub> F <sub>4</sub> N <sub>6</sub> O		
Molecular Weight:	510.49		
Target:	Deubiquitinase		
Pathway:	Cell Cycle/DNA Damage		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 62.5 mg/mL (122.43 mM; ultrasonic and warming and heat to 60°C)				
	Preparing Stock Solutions	Solvent \ Mass \ Concentration	1 mg	5 mg	10 mg
		1 mM	1.9589 mL	9.7945 mL	19.5890 mL
		5 mM	0.3918 mL	1.9589 mL	3.9178 mL
		10 mM	0.1959 mL	0.9795 mL	1.9589 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: ≥ 2.08 mg/mL (4.07 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	USP1-IN-2 (Compound I-193) is a potent ubiquitin-specific protease 1 (USP1) inhibitor with an IC <sub>50</sub> of less than about 50 nM [1].
IC <sub>50</sub> & Target	IC <sub>50</sub> : < 50 nM (USP1) <sup>[1]</sup>

### REFERENCES

[1]. Alexandre Joseph Buckmelter, et al. Purinones as ubiquitin-specific protease 1 inhibitors. Patent US20170145012A1.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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