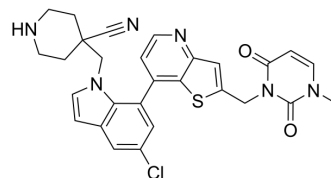


USP7-IN-11

Cat. No.:	HY-148482
CAS No.:	2763872-32-6
Molecular Formula:	C ₂₉ H ₂₇ ClN ₆ O ₂ S
Molecular Weight:	559.08
Target:	Deubiquitinase
Pathway:	Cell Cycle/DNA Damage
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 130 mg/mL (232.52 mM; Need ultrasonic)																					
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent</th> <th rowspan="2">Mass</th> <th colspan="3">Concentration</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Preparing Stock Solutions</td> <td>1 mM</td> <td>1.7887 mL</td> <td>8.9433 mL</td> <td>17.8865 mL</td> </tr> <tr> <td>5 mM</td> <td>0.3577 mL</td> <td>1.7887 mL</td> <td>3.5773 mL</td> </tr> <tr> <td>10 mM</td> <td>0.1789 mL</td> <td>0.8943 mL</td> <td>1.7887 mL</td> </tr> </tbody> </table>	Solvent	Mass	Concentration			1 mg	5 mg	10 mg	Preparing Stock Solutions	1 mM	1.7887 mL	8.9433 mL	17.8865 mL	5 mM	0.3577 mL	1.7887 mL	3.5773 mL	10 mM	0.1789 mL	0.8943 mL	1.7887 mL
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	Please refer to the solubility information to select the appropriate solvent.																					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 3.25 mg/mL (5.81 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 3.25 mg/mL (5.81 mM); Clear solution 																					

BIOLOGICAL ACTIVITY

Description	USP7-IN-11 is a potent ubiquitin-specific protease 7 (USP7) (Deubiquitinase) inhibitor with an IC ₅₀ of 0.37 nM. USP7-IN-11 has anticancer effects (WO2022048498A1; Example 187) ^[1] .
In Vitro	USP7-IN-11 (Example 187 ; for 72 hours) inhibits the proliferation of RS4;11 cells with an IC ₅₀ of 1.23 nM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Deng Hou, et al. Usp7 inhibitor. WO2022048498A1.

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

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