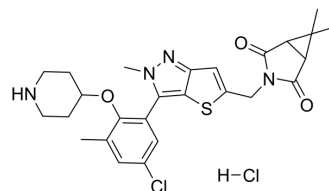


USP7-IN-10 hydrochloride

Cat. No.:	HY-148481A
Molecular Formula:	C ₂₆ H ₃₀ Cl ₂ N ₄ O ₃ S
Molecular Weight:	549.51
Target:	Deubiquitinase
Pathway:	Cell Cycle/DNA Damage
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 190 mg/mL (345.76 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>1.8198 mL</td> <td>9.0990 mL</td> <td>18.1980 mL</td> </tr> <tr> <td>5 mM</td> <td>0.3640 mL</td> <td>1.8198 mL</td> <td>3.6396 mL</td> </tr> <tr> <td>10 mM</td> <td>0.1820 mL</td> <td>0.9099 mL</td> <td>1.8198 mL</td> </tr> </tbody> </table>	Solvent	Mass	Concentration			1 mg	5 mg	10 mg	Preparing Stock Solutions	1 mM	1.8198 mL	9.0990 mL	18.1980 mL	5 mM	0.3640 mL	1.8198 mL	3.6396 mL	10 mM	0.1820 mL	0.9099 mL	1.8198 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: ≥ 4.75 mg/mL (8.64 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 4.75 mg/mL (8.64 mM); Clear solution 																					

BIOLOGICAL ACTIVITY

Description	USP7-IN-10 hydrochloride (compound 1) is a potent ubiquitin-specific protease 7 (USP7) inhibitor, with an IC ₅₀ of 13.39 nM ^[1]
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REFERENCES

[1]. Chen Shoujun, et al. Thienopyrazole compounds, pharmaceutical composition containing same and application thereof. CN113801135A.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA