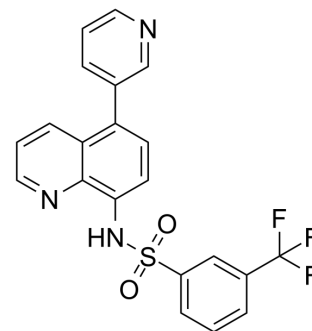


Ubiquitination-IN-1

Cat. No.:	HY-135199		
CAS No.:	1819330-15-8		
Molecular Formula:	C ₂₁ H ₁₄ F ₃ N ₃ O ₂ S		
Molecular Weight:	429.41		
Target:	E1/E2/E3 Enzyme		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 83.33 mg/mL (194.06 mM; ultrasonic and warming and heat to 60°C)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.3288 mL	11.6439 mL	23.2878 mL
		5 mM	0.4658 mL	2.3288 mL	4.6576 mL
10 mM		0.2329 mL	1.1644 mL	2.3288 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 (4.84 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.08 mg/mL (4.84 mM); Suspended solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	Ubiquitination-IN-1 (compound 24) is a ubiquitination and Cks1-Skp2 protein-protein interaction (IC ₅₀ =0.17 μM) inhibitor. Ubiquitination-IN-1 increases levels of p27. Ubiquitination-IN-1 has the potential for treatment disease by blocking the degradation of tumor suppressors ^[1] .
In Vitro	Ubiquitination-IN-1 inhibits A549 and HT1080 cells with IC ₅₀ s of 0.91 and 0.4 μM, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

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