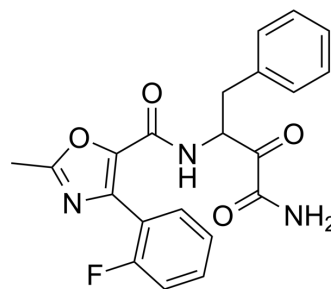


Dazcapistat

Cat. No.:	HY-132850		
CAS No.:	2221010-42-8		
Molecular Formula:	C ₂₁ H ₁₈ FN ₃ O ₄		
Molecular Weight:	395.38		
Target:	Proteasome		
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 : 100 mg/mL (252.92 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	2.5292 mL	12.6461 mL	25.2921 mL
	5 mM	0.5058 mL	2.5292 mL	5.0584 mL
	10 mM	0.2529 mL	1.2646 mL	2.5292 mL
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: ≥ 2.5 mg/mL (6.32 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.32 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.32 mM); Clear solution 			

BIOLOGICAL ACTIVITY

Description	Dazcapistat is a potent calpain inhibitor, with IC ₅₀ s of <3 μM for calpain 1, calpain 2 and calpain 9, respectively (patent WO2018064119A1, compound 405) ^[1] .
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REFERENCES

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

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