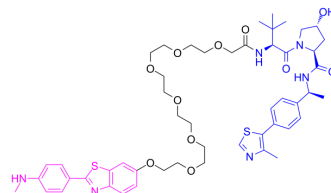


PROTAC α -synuclein degrader 3

Cat. No.:	HY-136001
CAS No.:	2412273-77-7
Molecular Formula:	C ₅₁ H ₆₈ N ₆ O ₁₁ S ₂
Molecular Weight:	1005.25
Target:	PROTACs; α -synuclein
Pathway:	PROTAC; Neuronal Signaling
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 : 100 mg/mL (99.48 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		0.9948 mL	4.9739 mL	9.9478 mL
		5 mM		0.1990 mL	0.9948 mL	1.9896 mL
		10 mM		0.0995 mL	0.4974 mL	0.9948 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: \geq 2.75 mg/mL (2.74 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: \geq 2.5 mg/mL (2.49 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% (20% SBE- β -CD in saline) Solubility: \geq 2.5 mg/mL (2.49 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	PROTAC α -synuclein degrader 3 (compound 5) is a potent and selective PROTAC α -synuclein degrader. PROTAC α -synuclein degrader 3 can be used in research of Parkinson's disease ^[1] .
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REFERENCES

[1]. Andrew PC, et, al. Proteolysis targeting chimeric (protac) compound with e3 ubiquitin ligase binding activity and targeting alpha-synuclein protein for treating neurodegenerative diseases. WO2020041331A1.

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

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