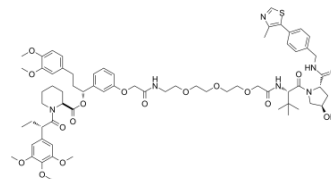


PROTAC FKBP Degradar-3

Cat. No.:	HY-135345
CAS No.:	2079056-43-0
Molecular Formula:	C ₆₈ H ₉₀ N ₆ O ₁₇ S
Molecular Weight:	1295.54
Target:	PROTAC; FKBP
Pathway:	PROTAC; Apoptosis; Autophagy; Immunology/Inflammation
Storage:	-20°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 25 mg/mL (19.30 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions	1 mM	1 mg	5 mg	10 mg
		5 mM	0.7719 mL	3.8594 mL	7.7188 mL
		10 mM	0.1544 mL	0.7719 mL	1.5438 mL
	10 mM	0.0772 mL	0.3859 mL	0.7719 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 >> 90% (20% SBE-β-CD in saline) Solubility: 5 mg/mL (3.86 mM); Suspended solution; Need ultrasonic Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (1.93 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (1.93 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	PROTAC FKBP Degradar-3 is a PROTAC that comprises a FKBP ligand binding group, a linker and an VHL binding group. PROTAC FKBP Degradar-3 is a potent FKBP degrader ^[1] .	
IC₅₀ & Target	VHL	FKBP
In Vitro	PROTAC treatment time courses demonstrated a notable increase in polyubiquitination of EGFP-FKBP in response to treatment with 250 nM of PROTAC FKBP Degradar-3 (compound 10) for VHL within the first hour. Upon recruiting endogenous VHL via PROTAC FKBP Degradar-3 (compound 10), only one EGFP background lysine (Lys158) is found to be ubiquitylated ^[1] .	

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Ottis P, et al. Assessing Different E3 Ligases for Small Molecule Induced Protein Ubiquitination and Degradation. ACS Chem Biol. 2017 Oct 20;12(10):2570-2578.

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

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