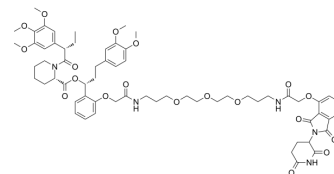


FKBP12 PROTAC dTAG-7

Cat. No.:	HY-123941
CAS No.:	2064175-32-0
Molecular Formula:	C ₆₃ H ₇₉ N ₅ O ₁₉
Molecular Weight:	1210.32
Target:	PROTACs; FKBP; Epigenetic Reader Domain
Pathway:	PROTAC; Apoptosis; Autophagy; Immunology/Inflammation; Epigenetics
Storage:	-20°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 : 150 mg/mL (123.93 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	0.8262 mL	4.1311 mL	8.2623 mL
				5 mM	0.1652 mL	0.8262 mL	1.6525 mL
				10 mM	0.0826 mL	0.4131 mL	0.8262 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: 3.75 mg/mL (3.10 mM); Clear solution; Need ultrasonic						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 3.75 mg/mL (3.10 mM); Suspended solution; Need ultrasonic						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 3.75 mg/mL (3.10 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	FKBP12 PROTAC dTAG-7 (dTAG-7) is a heterobifunctional degrader. FKBP12 PROTAC dTAG-7 (dTAG-7) is a degrader of FKBP12 ^{F36V} with expression of FKBP12 ^{F36V} in-frame with a protein of interest. FKBP12 PROTAC dTAG-7 (dTAG-7) also is a selective degrader of BET bromodomain transcriptional co-activator BRD4 by bridging BET bromodomains to an E3 ubiquitin ligase CRBN ^[1] .		
IC ₅₀ & Target	FKBP12(F36V)	BRD4	Cereblon

REFERENCES

[1]. Nabet B, et al. The dTAG system for immediate and target-specific protein degradation. Nat Chem Biol. 2018 May;14(5):431-441.

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

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