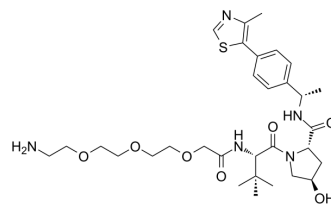


(S,R,S)-AHPC-Me-CO-CH₂-PEG₃-NH₂

Cat. No.:	HY-131387		
CAS No.:	2409538-69-6		
Molecular Formula:	C ₃₁ H ₄₇ N ₅ O ₇ S		
Molecular Weight:	633.8		
Target:	E3 Ligase Ligand-Linker Conjugates		
Pathway:	PROTAC		
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 : 25 mg/mL (39.44 mM); ultrasonic and warming and heat to 60°C				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	1.5778 mL	7.8889 mL	15.7778 mL
		5 mM	0.3156 mL	1.5778 mL	3.1556 mL
10 mM		0.1578 mL	0.7889 mL	1.5778 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: ≥ 2.5 mg/mL (3.94 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (3.94 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	(S,R,S)-AHPC-Me-CO-CH ₂ -PEG ₃ -NH ₂ is a synthesized E3 ligase ligand-linker conjugate that incorporates the a VHL ligand and a linker. (S,R,S)-AHPC-Me-CO-CH ₂ -PEG ₃ -NH ₂ can be used in PROTAC BRD4 Degrader-5 (HY-133737) and PROTAC BRD4 Degrader-5-CO-PEG ₃ -N ₃ (HY-133736) ^[1] .
IC₅₀ & Target	VHL
In Vitro	PROTAC BRD4 Degrader-5 is a PROTAC-based BRD4 degrader. PROTAC BRD4 Degrader-5 can potent degrade BRD4 in HER2 positive and negative breast cancer cell lines ^[1] . PROTAC BRD4 Degrader-5-CO-PEG ₃ -N ₃ is a PROTAC-linker Conjugate for PAC, comprises the BRD4 degrader GNE-987 and PEG-based linker ^[1] .

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

REFERENCES

[1]. Mari A Maneiro, et al. Antibody-PROTAC Conjugates Enable HER2-Dependent Targeted Protein Degradation of BRD4. ACS Chem Biol. 2020 Jun 19;15(6):1306-1312.

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

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