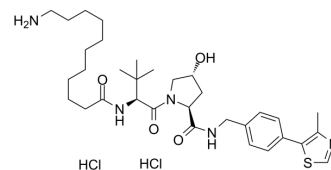


(S,R,S)-AHPC-C10-NH₂ dihydrochloride

Cat. No.:	HY-129941A
CAS No.:	2341796-75-4
Molecular Formula:	C ₃₃ H ₅₃ Cl ₂ N ₅ O ₄ S
Molecular Weight:	686.78
Target:	E3 Ligase Ligand-Linker Conjugates
Pathway:	PROTAC
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 250 mg/mL (364.02 mM; Need ultrasonic)				
	DMSO : 250 mg/mL (364.02 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
		1 mM	1.4561 mL	7.2804 mL	14.5607 mL
		5 mM	0.2912 mL	1.4561 mL	2.9121 mL
10 mM		0.1456 mL	0.7280 mL	1.4561 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: ≥ 2.08 mg/mL (3.03 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (3.03 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (3.03 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	(S,R,S)-AHPC-C10-NH ₂ dihydrochloride (VH032-C10-NH ₂ dihydrochloride) is a synthesized E3 ligase ligand-linker conjugate that incorporates the (S,R,S)-AHPC based VHL ligand and a linker used for BET-Targeted PROTAC ^[1] .
IC ₅₀ & Target	VHL
In Vitro	PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Pillow TH, et al. Antibody Conjugation of a Chimeric BET Degradar Enables in vivo Activity. ChemMedChem. 2019 Oct 31.

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

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