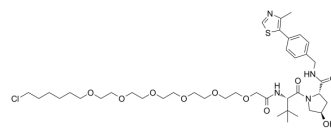


(S,R,S)-AHPC-PEG6-C4-Cl

Cat. No.:	HY-103606		
CAS No.:	1835705-59-3		
Molecular Formula:	C ₄₀ H ₆₃ ClN ₄ O ₁₀ S		
Molecular Weight:	827.47		
Target:	E3 Ligase Ligand-Linker Conjugates		
Pathway:	PROTAC		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

Ethanol : 100 mg/mL (120.85 mM; Need ultrasonic)
 DMSO : ≥ 100 mg/mL (120.85 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	1 mM		1.2085 mL	6.0425 mL	12.0850 mL
	5 mM		0.2417 mL	1.2085 mL	2.4170 mL
	10 mM		0.1209 mL	0.6043 mL	1.2085 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (3.02 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (3.02 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (3.02 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(S,R,S)-AHPC-PEG6-C4-Cl is a conjugate of ligands for E3 and 25-atom-length linker. The connector of linker is Halogen group. (S,R,S)-AHPC-PEG6-C4-Cl incorporates the (S,R,S)-AHPC based VHL ligand and 6-unit PEG linker. (S,R,S)-AHPC-PEG6-C4-Cl is capable of inducing the degradation of GFP-HaloTag7 in cell-based assays^[1].

IC₅₀ & Target

VHL

In Vitro

HaloPROTACs are designed to induce ubiquitylation and degradation of HaloTag7 fusion proteins^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Tovell H, et al. Rapid and Reversible Knockdown of Endogenously Tagged Endosomal Proteins via an Optimized HaloPROTAC Degradator. ACS Chem Biol. 2019 May 17;14(5):882-892.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA