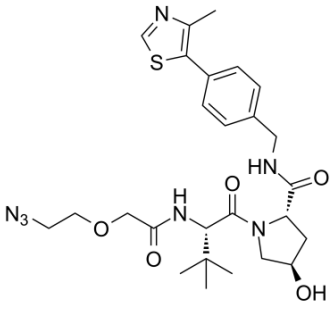
(S,R,S)-AHPC-PEG1-N3

Cat. No.:	HY-103600
CAS No.:	2101200-09-1
Molecular Formula:	$C_{26}H_{35}N_7O_5S$
Molecular Weight:	557.67
Target:	E3 Ligase Ligand-Linker Conjugate
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 : ≥ 100 mg/mL (179.32 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	1.7932 mL	8.9659 mL	17.9318 mL
5 mM	0.3586 mL	1.7932 mL	3.5864 mL
10 mM	0.1793 mL	0.8966 mL	1.7932 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 (4.48 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (4.48 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (4.48 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(S,R,S)-AHPC-PEG1-N3 is a synthesized E3 ligase ligand-linker conjugate that incorporates the (S,R,S)-AHPC based VHL ligand and 1-unit PEG linker used in PROTAC technology.

IC_{50} & Target

VHL

REFERENCES

[1]. Zhang, Huibin., Et al. Bifunctional molecule based on VHL ligand induced BET degradation as well as preparation and application thereof. CN106749513A.

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