(S,R,S)-AHPC-PEG5-COOH

Cat. No.: HY-130271

CAS No.: 2172820-14-1

Molecular Formula: $C_{36}H_{54}N_4O_{11}S$

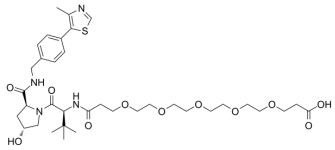
Molecular Weight: 750.9

Target: E3 Ligase Ligand-Linker Conjugates

Pathway: PROTAC

Storage: -20°C, stored under nitrogen

* In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 200 mg/mL (266.35 mM; Need ultrasonic)

H_2O : ≥ 100 mg/mL (133.17 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Concentration \ Solvent \ Mass	1 mg	5 mg	10 mg
1 mM	1.3317 mL	6.6587 mL	13.3174 mL
5 mM	0.2663 mL	1.3317 mL	2.6635 mL
10 mM	0.1332 mL	0.6659 mL	1.3317 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: ≥ 5 mg/mL (6.66 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(S,R,S)-AHPC-PEG5-COOH (VH032-PEG5-COOH) is a synthesized E3 ligase ligand-linker conjugate that incorporates the (S,R,S)-AHPC based VHL ligand and 5-unit PEG linker used in PROTAC technology[1].

IC_{50} & Target

VHL

REFERENCES

[1]. Chi JJ, et al. A novel strategy to block mitotic progression for targeted therapy. EBioMedicine. 2019 Oct 25. pii: S2352-3964(19)30677-2.

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

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