(S,R,S)-AHPC-PEG2-NH2 hydrochloride

Cat. No.: HY-103603

CAS No.: 2097973-72-1

Molecular Formula: $C_{28}H_{42}ClN_5O_6S$

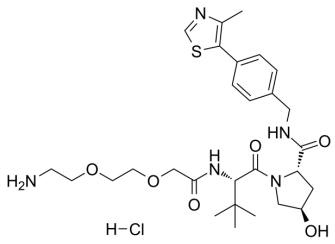
Molecular Weight: 612.18

Target: E3 Ligase Ligand-Linker Conjugates

Pathway: PROTAC

Storage: 4°C, sealed storage, away from moisture

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 150 mg/mL (245.03 mM; Need ultrasonic)

H_2O : 100 mg/mL (163.35 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	1.6335 mL	8.1675 mL	16.3351 mL
5 mM	0.3267 mL	1.6335 mL	3.2670 mL
10 mM	0.1634 mL	0.8168 mL	1.6335 mL

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

In Vivo

1. Add each solvent one by one: PBS
   Solubility: 50 mg/mL (81.68 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

(S,R,S)-AHPC-PEG2-NH2 hydrochloride (VH032-PEG2-NH2 hydrochloride) is a synthesized E3 ligase ligand-linker conjugate that incorporates the (S,R,S)-AHPC based VHL ligand and 2-unit PEG linker used in the synthesis of PROTACs[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]. Chan KH, et al. Impact of Target Warhead and Linkage Vector on Inducing Protein Degradation: Comparison of Bromodomain and Extra-Terminal (BET) Degraders Derived from Triazolodiazepine (JQ1) and Tetrahydroquinoline (I-BET726) BET Inhibitor Scaffolds. J Me

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