(S,R,S)-AHPC-phenol-C4-NH2 dihydrochloride

Cat. No.: HY-136184

CAS No.: 2376990-26-8

Molecular Formula: $C_{28}H_{43}Cl_2N_5O_5S$

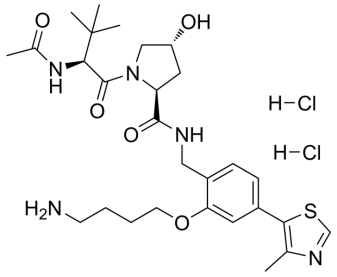
Molecular Weight: 632.64

Target: E3 Ligase Ligand-Linker Conjugates

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 (158.07 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	1.5807 mL	7.9034 mL	15.8068 mL
	5 mM	0.3161 mL	1.5807 mL	3.1614 mL
	10 mM	0.1581 mL	0.7903 mL	1.5807 mL

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

BIOLOGICAL ACTIVITY

Description

(S,R,S)-AHPC-phenol-C4-NH2 (VH032-phenol-C4-NH2) dihydrochloride is a synthesized E3 ligase ligand-linker conjugate that incorporates the (S,R,S)-AHPC based VHL ligand and a linker used in PROTAC technology[1].

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[2].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Scheepstra M, et al. Bivalent Ligands for Protein Degradation in Drug Discovery. Comput Struct Biotechnol J. 2019;17:160-176. Published 2019 Jan 25.

[2]. [3].Nalawansha DA, et al. PROTACs: An Emerging Therapeutic Modality in Precision Medicine. Cell Chem Biol. 2020;27(8):998-985.

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

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