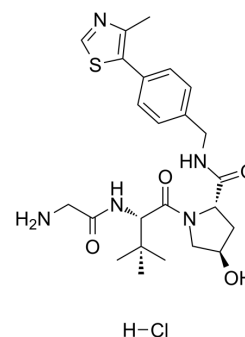


(S,R,S)-AHPC-C1-NH₂ hydrochloride

Cat. No.:	HY-138861A
CAS No.:	2361120-26-3
Molecular Formula:	C ₂₄ H ₃₄ ClN ₅ O ₄ S
Molecular Weight:	524.08
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 : 125 mg/mL (238.51 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.9081 mL	9.5405 mL	19.0811 mL
	5 mM	0.3816 mL	1.9081 mL	3.8162 mL
	10 mM	0.1908 mL	0.9541 mL	1.9081 mL

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

BIOLOGICAL ACTIVITY

Description

(S,R,S)-AHPC-C1-NH₂ hydrochloride 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].

IC₅₀ & 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^[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]. Nalawansa 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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