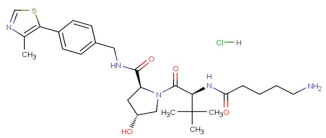
Data Sheet (Cat.No.T18640)

TargetMol
A DRUG SCREENING EXPERT

(S,R,S)-AHPC-C4-NH2 hydrochloride

Chemical Properties



CAS No.:	2245697-83-8
Formula:	C27H40ClN5O4S
Molecular Weight:	566.16
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	(S,R,S)-AHPC-C4-NH2 hydrochloride is a synthesized E3 ligase ligand-linker conjugate that incorporates the (S,R,S)-AHPC based VHL ligand and a linker used for EED-Targeted PROTAC[1].
Targets(IC_{50})	VHL: None
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.

Solubility Information

Solubility	DMSO: 109.6 mg/mL (193.58 mM) H2O: 50 mg/mL (88.31 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.766 mL	8.831 mL	17.663 mL
5 mM	0.353 mL	1.766 mL	3.533 mL
10 mM	0.177 mL	0.883 mL	1.766 mL
50 mM	0.035 mL	0.177 mL	0.353 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. Hsu JH, et al. EED-Targeted PROTACs Degrade EED, EZH2, and SUZ12 in the PRC2 Complex. Cell Chem Biol. 2019 Nov 26. pii: S2451-9456(19)30362-9.

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Tel:781-999-4286 E-mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481