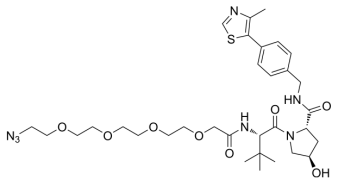
(S,R,S)-AHPC-PEG4-N3

Cat. No.:	HY-103601
CAS No.:	1797406-81-5
Molecular Formula:	$C_{32}H_{47}N_7O_8S$
Molecular Weight:	689.82
Target:	E3 Ligase Ligand-Linker Conjugates
Pathway:	PROTAC
Storage:	Pure form -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

H_2O : 100 mg/mL (144.97 mM; Need ultrasonic)
DMSO : 50 mg/mL (72.48 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	1.4497 mL	7.2483 mL	14.4965 mL
	5 mM	0.2899 mL	1.4497 mL	2.8993 mL
	10 mM	0.1450 mL	0.7248 mL	1.4497 mL

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

BIOLOGICAL ACTIVITY

Description

(S,R,S)-AHPC-PEG4-N3 is a synthesized E3 ligase ligand-linker conjugate that incorporates the (S,R,S)-AHPC based VHL ligand and 4-unit PEG linker used in PROTAC technology. (S,R,S)-AHPC-PEG4-N3 is a click chemistry reagent, it contains an Azide group and can undergo copper-catalyzed azide-alkyne cycloaddition reaction (CuAAc) with molecules containing Alkyne groups. Strain-promoted alkyne-azide cycloaddition (SPAAC) can also occur with molecules containing DBCO or BCN groups.

IC_{50} & Target

VHL

In Vitro

E3 ligase Ligand-Linker Conjugates 4 together with JQ1 triggers the intracellular destruction of BET proteins[1].

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

REFERENCES

[1]. Zengerle M, et al. Selective Small Molecule Induced Degradation of the BET Bromodomain Protein BRD4. ACS Chemical Biology (2015), 10(8), 1770-1777.

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