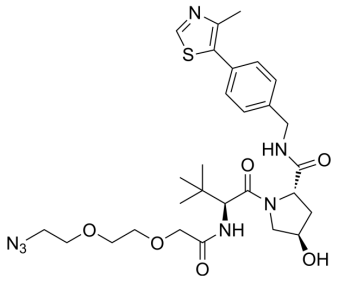
(S,R,S)-AHPC-PEG2-N3

Cat. No.:	HY-103599
CAS No.:	2010159-45-0
Molecular Formula:	$C_{28}H_{39}N_7O_6S$
Molecular Weight:	601.72
Target:	E3 Ligase Ligand-Linker Conjugates
Pathway:	PROTAC
Storage:	-20°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (207.74 mM; Need ultrasonic)
Ethanol : 50 mg/mL (83.10 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	1.6619 mL	8.3095 mL	16.6190 mL
5 mM	0.3324 mL	1.6619 mL	3.3238 mL
10 mM	0.1662 mL	0.8310 mL	1.6619 mL

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

BIOLOGICAL ACTIVITY

Description

(S,R,S)-AHPC-PEG2-N3 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 PROTAC technology. (S,R,S)-AHPC-PEG2-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

REFERENCES

[1]. Gadd MS, et al. Structural basis of PROTAC cooperative recognition for selective protein degradation. Nat Chem Biol. 2017 May;13(5):514-521.

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

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