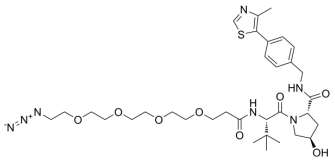
(S,R,S)-AHPC-C2-PEG4-N3

Cat. No.:	HY-130654
CAS No.:	2597167-24-1
Molecular Formula:	$C_{33}H_{49}N_7O_8S$
Molecular Weight:	703.85
Target:	E3 Ligase Ligand-Linker Conjugates
Pathway:	PROTAC
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	(S,R,S)-AHPC-C2-PEG4-N3 (VH032-C2-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-C2-PEG4-N3 can be used in the synthesis of vRucaparib-TP4 (HY-130647). vRucaparib-TP4 a highly potent PARP1 degrader with a half-maximal degrading concentration (DC_{50}) of 82 nM[1]. (S,R,S)-AHPC-C2-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

REFERENCES

[1]. Wang S, et al. Uncoupling of PARP1 trapping and inhibition using selective PARP1 degradation. Nat Chem Biol. 2019 Dec;15(12):1223-1231.

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