

(S,R,S)-AHPC-PEG3-N3

Chemical Properties

CAS No. : 1797406-80-4

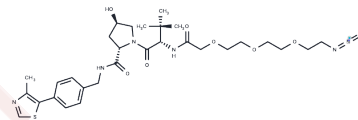
Formula: C30H43N7O7S

Molecular Weight: 645.77

Store at low temperature

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	(S, R, S)-AHPC-PEG3-N3 (VHL Ligand-Linker Conjugates 8) is a synthesized E3 ligase ligand-linker conjugate. (S, R, S)-AHPC-PEG3-N3 incorporates the (S, R, S)-AHPC based VHL ligand and 3-unit PEG linker used in PROTAC technology.
Targets(IC50)	E3 Ligase Ligand-Linker Conjugates,Ligands for E3 Ligase,PROTAC Linker
In vitro	(S,R,S)-AHPC-PEG3-N3 is derived from patent WO/2016/146985A1, figure 11. PROTAC features an A-L-B structure that tethers a bromodomain inhibitor, binding a BET family protein, to a small molecule E3 ubiquitin ligase protein binding ligand via a suitable linker[1][2].

Solubility Information

Solubility	DMSO: 250 mg/mL (387.13 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5485 mL	7.7427 mL	15.4854 mL
5 mM	0.3097 mL	1.5485 mL	3.0971 mL
10 mM	0.1549 mL	0.7743 mL	1.5485 mL
50 mM	0.031 mL	0.1549 mL	0.3097 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

CIULLI, Alessio, et al. DERIVATIVES OF 1-[(CYCLOPENTYL OR 2-PYRROLIDINYL)CARBONYLAMINOMETHYL]-4-(1,3-THIAZOL-5-YL) BENZENE WHICH ARE USEFUL FOR THE TREATMENT OF PROLIFERATIVE, AUTOIMMUNE OR INFLAMMATORY DISEASES. WO2016146985A1.

Zengerle M, et al. Selective Small Molecule Induced Degradation of the BET Bromodomain Protein BRD4. ACS Chem Biol. 2015 Aug 21;10(8):1770-7.

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