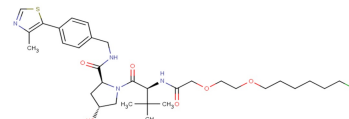


(S,R,S)-AHPC-PEG2-C4-Cl

Chemical Properties

CAS No.: 1835705-57-1
Formula: C₃₂H₄₇ClN₄O₆S
Molecular Weight: 651.26
Appearance: N/A
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	(S,R,S)-AHPC-PEG2-C4-Cl is a small molecule HaloPROTAC that incorporates the (S,R,S)-AHPC based VHL ligand and 2-unit PEG linker. (S,R,S)-AHPC-PEG2-C4-Cl is capable of inducing the degradation of GFP-HaloTag7 in cell-based assays[1].
Targets(IC ₅₀)	VHL: None
In vitro	(S,R,S)-AHPC-PEG2-C4-Cl uses the VHL ligand[1]. The linker is 6-2-2. The linkers contain a mixture of hydrophobic and hydrophilic moieties to balance the hydrophobicity/hydrophilicity of the resulting hybrid compounds. PROTACs that induce the degradation of an oncogenic tyrosine kinase, BCR-ABL has been developed. (S,R,S)-AHPC-PEG2-C4-Cl can be attached to potent TKIs (bosutinib and dasatinib) that mediate the degradation of c-ABL and BCR-ABL by hijacking either CRBN or VHL E3 ubiquitin ligase[2].

Solubility Information

Solubility	DMSO: 50 mg/mL (76.77 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.535 mL	7.677 mL	15.355 mL
5 mM	0.307 mL	1.535 mL	3.071 mL
10 mM	0.154 mL	0.768 mL	1.535 mL
50 mM	0.031 mL	0.154 mL	0.307 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 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Craig Crews, et al. Proteolysis Targeting Chimera Compounds and Methods of Preparing and Using Same. US20170121321A1.
2. Lai AC, et al. Modular PROTAC Design for the Degradation of Oncogenic BCR-ABL. Angew Chem Int Ed Engl. 2016 Jan 11;55(2):807-10.

Inhibitors · Natural Compounds · Compound Libraries

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