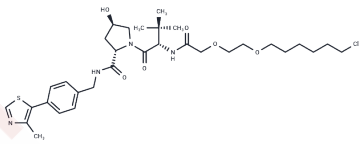
Data Sheet (Cat.No.T17910)

TargetMol

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

Chemical Properties



CAS No. : 1835705-57-1

Formula: C32H47ClN4O6S

Molecular Weight: 651.26

Storage: Keep away from direct sunlight
Powder: -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-PEG2-C4-Cl is a small molecule HaloPROTAC, comprising the (S,R,S)-AHPC based VHL ligand and a 2-unit PEG linker, that induces the degradation of GFP-HaloTag7 in cell-based assays[1].
Targets(IC50)	Others,E3 Ligase Ligand-Linker Conjugates,PROTACs
In vitro	(S,R,S)-AHPC-PEG2-C4-Cl employs the VHL ligand to facilitate the development of PROTACs targeting the oncogenic tyrosine kinase BCR-ABL, using a 6-2-2 linker that balances hydrophobicity and hydrophilicity. This compound can conjugate with potent tyrosine kinase inhibitors (TKIs) like bosutinib and dasatinib to promote the degradation of c-ABL and BCR-ABL via CRBN or VHL E3 ubiquitin ligase mechanisms.

Solubility Information

Solubility	DMSO: 50 mg/mL (76.77 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5355 mL	7.6774 mL	15.3549 mL
5 mM	0.3071 mL	1.5355 mL	3.071 mL
10 mM	0.1535 mL	0.7677 mL	1.5355 mL
50 mM	0.0307 mL	0.1535 mL	0.3071 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

Craig Crews, et al. Proteolysis Targeting Chimera Compounds and Methods of Preparing and Using Same. US20170121321A1.

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.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481