

VH032-PEG5-C6-Cl

Chemical Properties

CAS No. : 1799506-06-1

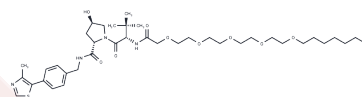
Formula: C₃₈H₅₉ClN₄O₉S

Molecular Weight: 783.41

Keep away from direct sunlight

Storage: 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	VH032-PEG5-C6-Cl (HaloPROTAC 2) is a small molecule that includes the VH032-based VHL ligand and a 5-unit PEG linker, capable of inducing the degradation of GFP-HaloTag7 in cell-based assays[1].
Targets(IC50)	Others,E3 Ligase Ligand-Linker Conjugates,PROTACs
In vitro	Treatment with VH032-PEG5-C6-Cl for 24 hours results in approximately 70% degradation of GFP-Halotag7 at a concentration of 2.5 μM[1].

Solubility Information

Solubility	DMSO: 50 mg/mL (63.82 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 5 mg/mL (6.38 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2765 mL	6.3824 mL	12.7647 mL
5 mM	0.2553 mL	1.2765 mL	2.5529 mL
10 mM	0.1276 mL	0.6382 mL	1.2765 mL
50 mM	0.0255 mL	0.1276 mL	0.2553 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

Buckley DL, et al. HaloPROTACS: Use of Small Molecule PROTACs to Induce Degradation of HaloTag Fusion Proteins. ACS Chem Biol. 2015 Aug 21;10(8):1831-7.

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