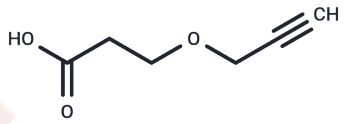
Data Sheet (Cat.No.T16583)

TargetMol

Propargyl-PEG1-acid

Chemical Properties



CAS No. : 55683-37-9

Formula: C6H8O3

Molecular Weight: 128.13

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	Propargyl-PEG1-acid, a PEG-based PROTAC linker, enables the synthesis of BTK-CRBN PROTACs, specifically Ibrutinib-based PROTAC 4 and PROTAC 5. At a concentration of 10 μM, PROTAC 5 facilitates the degradation of BTK and induces the degradation of CSK, LYN, and LAT2[1].
Targets(IC50)	Others,PROTAC Linker
In vitro	BTK-CRBN PROTACs function as stoichiometric degraders, leading to the degradation of the BTK protein. This process occurs through the recruitment of the cereblon E3 ligases family[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.8046 mL	39.0229 mL	78.0457 mL
5 mM	1.5609 mL	7.8046 mL	15.6091 mL
10 mM	0.7805 mL	3.9023 mL	7.8046 mL
50 mM	0.1561 mL	0.7805 mL	1.5609 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

Tinworth CP, et al. PROTAC-Mediated Degradation of Bruton's Tyrosine Kinase Is Inhibited by Covalent Binding. ACS Chem Biol. 2019 Mar 15;14(3):342-347.

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