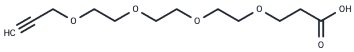
Data Sheet (Cat.No.T16614)

TargetMol

Propargyl-PEG4-acid

Chemical Properties



CAS No. : 1415800-32-6

Formula: C12H20O6

Molecular Weight: 260.28

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-PEG4-acid is a PEG-based PROTAC linker used in the synthesis of BTK-IAP PROTACs, including Ibrutinib-based PROTAC 2 and its analogue PROTAC 3. PROTAC 3 induces BTK degradation with a DC50 of 200 nM in THP-1 cells[1].
Targets(IC50)	Others,PROTAC Linker
In vitro	BTK-IAP PROTACs function as stoichiometric degraders, leading to the degradation of the BTK protein. This degradation occurs through the recruitment of the IAP E3 ligases family[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.842 mL	19.2101 mL	38.4202 mL
5 mM	0.7684 mL	3.842 mL	7.684 mL
10 mM	0.3842 mL	1.921 mL	3.842 mL
50 mM	0.0768 mL	0.3842 mL	0.7684 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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