

## Propargyl-PEG10-alcohol

## Chemical Properties

CAS No. : 2378150-09-3

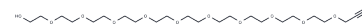
Formula: C<sub>23</sub>H<sub>44</sub>O<sub>11</sub>

Molecular Weight: 496.594

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	Propargyl-PEG10-alcohol, a PEG-based linker for PROTACs, connects two essential ligands critical for forming PROTAC molecules, enabling selective protein degradation through the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands linked together: one ligand targets an E3 ubiquitin ligase and the other targets the protein of interest, utilizing the intracellular ubiquitin-proteasome system for selective protein degradation[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0137 mL	10.0687 mL	20.1373 mL
5 mM	0.4027 mL	2.0137 mL	4.0275 mL
10 mM	0.2014 mL	1.0069 mL	2.0137 mL
50 mM	0.0403 mL	0.2014 mL	0.4027 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

An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562

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