

## Propargyl-PEG25-acid

## Chemical Properties

CAS No. :

Formula: C54H104O27

Molecular Weight: 1185.39

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-PEG25-acid is a PEG-based linker used in the formation of PROTAC molecules, connecting two essential ligands to enable selective protein degradation through the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, composed of two ligands connected by a linker—one binding to an E3 ubiquitin ligase and the other to the target protein—utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8436 mL	4.218 mL	8.436 mL
5 mM	0.1687 mL	0.8436 mL	1.6872 mL
10 mM	0.0844 mL	0.4218 mL	0.8436 mL
50 mM	0.0169 mL	0.0844 mL	0.1687 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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