

Propargyl-PEG9-OH

Chemical Properties

CAS No. : 2055022-35-8

Formula: C₂₁H₄₀O₁₀

Molecular Weight: 452.54



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-PEG9-OH, a PEG-based linker for PROTACs, connects two essential ligands crucial for forming PROTAC molecules and enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands joined by a linker: one ligand targets an E3 ubiquitin ligase, while the other binds to the target protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade specific proteins.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2097 mL	11.0487 mL	22.0975 mL
5 mM	0.4419 mL	2.2097 mL	4.4195 mL
10 mM	0.221 mL	1.1049 mL	2.2097 mL
50 mM	0.0442 mL	0.221 mL	0.4419 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

Satwik Kamtekar, et al. Modified biotin-binding proteins for immobilization. WO2019126734A1.

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