

Propargyl-PEG4-S-PEG4-acid

Chemical Properties

CAS No. : 2055041-20-6

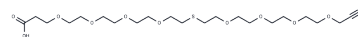
Formula: C₂₂H₄₀O₁₀S

Molecular Weight: 496.61

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-PEG4-S-PEG4-acid, a polyethylene glycol (PEG)-based PROTAC linker, is suitable for synthesizing Proteolysis Targeting Chimera (PROTACs) [1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs are bifunctional molecules comprising two ligands connected by a linker: one ligand targets an E3 ubiquitin ligase and the other targets the desired protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade these target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0137 mL	10.0683 mL	20.1365 mL
5 mM	0.4027 mL	2.0137 mL	4.0273 mL
10 mM	0.2014 mL	1.0068 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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481