

Azido-PEG1-C2-acid

Chemical Properties

CAS No. : 1393330-34-1

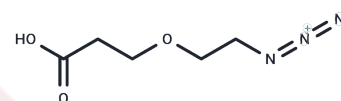
Formula: C₅H₉N₃O₃

Molecular Weight: 159.14

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	Azido-PEG1-C2-acid is a PEG-based linker for PROTACs, joining two essential ligands crucial for forming PROTAC molecules, thereby enabling selective protein degradation via the ubiquitin-proteasome system [within cells].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands joined by a linker: one targets an E3 ubiquitin ligase and the other binds to the target protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.2838 mL	31.4189 mL	62.8378 mL
5 mM	1.2568 mL	6.2838 mL	12.5676 mL
10 mM	0.6284 mL	3.1419 mL	6.2838 mL
50 mM	0.1257 mL	0.6284 mL	1.2568 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