

Acid-PEG5-TEMPO

Chemical Properties

CAS No. : 2055040-79-2

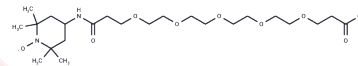
Formula: C₂₃H₄₃N₂O₉

Molecular Weight: 491.602

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	Acid-PEG5-TEMPO is a PEG-based linker for PROTACs, joining two essential ligands crucial for PROTAC molecule formation, and facilitates selective protein degradation using the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs utilize two distinct ligands, connected by a linker: one ligand targets an E3 ubiquitin ligase, and the other targets the protein of interest. They harness the intracellular ubiquitin-proteasome system to selectively degrade specific proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0342 mL	10.1709 mL	20.3417 mL
5 mM	0.4068 mL	2.0342 mL	4.0683 mL
10 mM	0.2034 mL	1.0171 mL	2.0342 mL
50 mM	0.0407 mL	0.2034 mL	0.4068 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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