

## Methylamino-PEG3-acid

## Chemical Properties

CAS No. : 2148295-95-6

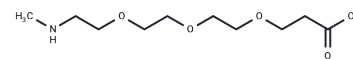
Formula: C10H21NO5

Molecular Weight: 235.28

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	Methylamino-PEG3-acid is a PEG-based linker for PROTACs, facilitating the conjugation of two essential ligands crucial for PROTAC molecule formation. This linker enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands linked together: one binds to an E3 ubiquitin ligase, and the other targets the desired protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.2503 mL	21.2513 mL	42.5026 mL
5 mM	0.8501 mL	4.2503 mL	8.5005 mL
10 mM	0.425 mL	2.1251 mL	4.2503 mL
50 mM	0.085 mL	0.425 mL	0.8501 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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