

Amine-PEG-CH<sub>2</sub>COOH (MW 5000)

## Chemical Properties

CAS No. :

Formula:

Molecular Weight: 5000

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	Amine-PEG-CH <sub>2</sub> COOH (MW 2000) is a polyethylene glycol (PEG) derivative used as a linker in the synthesis of proteolysis targeting chimeras (PROTACs)[1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs comprise two ligands linked together; one ligand targets 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	0.200 mL	1.000 mL	2.000 mL
5 mM	0.040 mL	0.200 mL	0.400 mL
10 mM	0.020 mL	0.100 mL	0.200 mL
50 mM	0.004 mL	0.020 mL	0.040 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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