

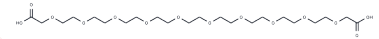
CH<sub>2</sub>COOH-PEG9-CH<sub>2</sub>COOH

## Chemical Properties

CAS No. : 2250056-46-1

Formula: C<sub>22</sub>H<sub>42</sub>O<sub>14</sub>

Molecular Weight: 530.564



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	CH <sub>2</sub> COOH-PEG9-CH <sub>2</sub> COOH, a PEG-based linker for PROTACs, joins two essential ligands and is crucial for forming PROTAC molecules, enabling selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands linked together: one binds to an E3 ubiquitin ligase, and the other 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	1.8848 mL	9.424 mL	18.848 mL
5 mM	0.377 mL	1.8848 mL	3.7696 mL
10 mM	0.1885 mL	0.9424 mL	1.8848 mL
50 mM	0.0377 mL	0.1885 mL	0.377 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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