

HO-PEG24-CH<sub>2</sub>CH<sub>2</sub>COOH

## Chemical Properties

CAS No. :

Formula: C<sub>51</sub>H<sub>102</sub>O<sub>27</sub>

Molecular Weight: 1147.34

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	HO-PEG24-CH <sub>2</sub> CH <sub>2</sub> COOH is a PEG-based linker for PROTACs, connecting two essential ligands vital for forming PROTAC molecules. This linker facilitates selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, composed of two ligands linked together—one targeting an E3 ubiquitin ligase and the other the target protein—utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8716 mL	4.3579 mL	8.7158 mL
5 mM	0.1743 mL	0.8716 mL	1.7432 mL
10 mM	0.0872 mL	0.4358 mL	0.8716 mL
50 mM	0.0174 mL	0.0872 mL	0.1743 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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