

HO-PEG5-CH<sub>2</sub>COOH

## Chemical Properties

CAS No. :	52026-48-9
Formula:	C <sub>12</sub> H <sub>24</sub> O <sub>8</sub>
Molecular Weight:	296.314
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

## Biological Description

Description	HO-PEG5-CH <sub>2</sub> COOH is a PEG-based linker for PROTACs, joining two essential ligands critical for PROTAC molecule formation, enabling selective protein degradation via the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, which consist of two ligands connected by a linker—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	3.3748 mL	16.8742 mL	33.7484 mL
5 mM	0.675 mL	3.3748 mL	6.7497 mL
10 mM	0.3375 mL	1.6874 mL	3.3748 mL
50 mM	0.0675 mL	0.3375 mL	0.675 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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