

## Benzyloxy-C5-PEG1

## Chemical Properties

CAS No. : 159028-70-3

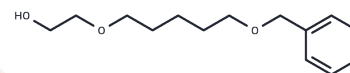
Formula: C14H22O3

Molecular Weight: 238.327

Storage: Keep away from direct sunlight

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	Benzyloxy-C5-PEG1 is a PEG-based linker for PROTACs, joining two essential ligands crucial for forming PROTAC molecules, thereby enabling 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 by a linker: one binding to an E3 ubiquitin ligase and the other to the target protein. They harness the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1959 mL	20.9793 mL	41.9586 mL
5 mM	0.8392 mL	4.1959 mL	8.3917 mL
10 mM	0.4196 mL	2.0979 mL	4.1959 mL
50 mM	0.0839 mL	0.4196 mL	0.8392 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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