

## Benzyl-PEG2-acid

## Chemical Properties

CAS No. : 91555-65-6

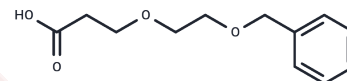
Formula: C<sub>12</sub>H<sub>16</sub>O<sub>4</sub>

Molecular Weight: 224.25

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	Benzyl-PEG2-acid, a PEG-based linker for PROTACs, joins two essential ligands crucial for forming PROTAC molecules and enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins by incorporating two distinct ligands connected by a linker: one ligand targets an E3 ubiquitin ligase, and the other binds to the target protein [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4593 mL	22.2965 mL	44.5931 mL
5 mM	0.8919 mL	4.4593 mL	8.9186 mL
10 mM	0.4459 mL	2.2297 mL	4.4593 mL
50 mM	0.0892 mL	0.4459 mL	0.8919 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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