

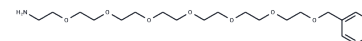
## Benzyl-PEG7-amine

## Chemical Properties

CAS No. : 868594-43-8

Formula: C<sub>21</sub>H<sub>37</sub>N<sub>7</sub>O<sub>7</sub>

Molecular Weight: 415.527



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-PEG7-amine is a PEG-based linker for PROTACs that connects two essential ligands, facilitating the formation of PROTAC molecules and enabling selective protein degradation through the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, which consist of two distinct ligands linked together, one binding to an E3 ubiquitin ligase and the other to the target protein, utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4066 mL	12.0328 mL	24.0657 mL
5 mM	0.4813 mL	2.4066 mL	4.8131 mL
10 mM	0.2407 mL	1.2033 mL	2.4066 mL
50 mM	0.0481 mL	0.2407 mL	0.4813 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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