

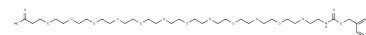
## Cbz-NH-PEG12-C2-acid

## Chemical Properties

CAS No. : 1334177-88-6

Formula: C<sub>35</sub>H<sub>61</sub>N<sub>3</sub>O<sub>16</sub>

Molecular Weight: 751.86



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	Cbz-NH-PEG12-C2-acid is a PEG-based linker for PROTACs, facilitating the connection of two essential ligands to form PROTAC molecules, thereby enabling selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	PROTAC Linker
In vitro	PROTACs consist of two ligands connected by a linker; one ligand targets an E3 ubiquitin ligase, while the other binds to the target protein. PROTACs leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.330 mL	6.6502 mL	13.3003 mL
5 mM	0.266 mL	1.330 mL	2.6601 mL
10 mM	0.133 mL	0.665 mL	1.330 mL
50 mM	0.0266 mL	0.133 mL	0.266 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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