

## Hydroxy-PEG12-Boc

## Chemical Properties

CAS No. : 2388521-20-6

Formula: C<sub>31</sub>H<sub>62</sub>O<sub>15</sub>

Molecular Weight: 674.82

Keep away from direct sunlight

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

|               |   |
|---------------|---|
| Description   | Hydroxy-PEG12-Boc (Hydroxy-PEG12-T-Butyl Ester) is a PEG-based PROTAC linker. Hydroxy-PEG12-Boc can be used in the synthesis of PROTACs.  |
| 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 targets the protein of interest. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1]. |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.4819 mL | 7.4094 mL | 14.8188 mL |
| 5 mM  | 0.2964 mL | 1.4819 mL | 2.9638 mL  |
| 10 mM | 0.1482 mL | 0.7409 mL | 1.4819 mL  |
| 50 mM | 0.0296 mL | 0.1482 mL | 0.2964 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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