

## Mal-amido-PEG2-C2-acid

## Chemical Properties

|                   |  |
|-------------------|--|
| CAS No. :         | 756525-98-1  |
| Formula:          | C14H20N2O7   |
| Molecular Weight: | 328.318  |
| Storage:          | Keep away from direct sunlight<br>Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br><small>Actual storage temperature shall be subject to the COA.</small> |

## Biological Description

|               |  |
|---------------|--|
| Description   | Mal-amido-PEG2-C2-acid is a PEG-based linker for PROTACs, facilitating the conjugation of two essential ligands to form PROTAC molecules. This linker enables selective protein degradation by utilizing the ubiquitin-proteasome system within cells. |
| Targets(IC50) | Others,PROTAC Linker   |
| In vitro      | PROTACs comprise two distinct ligands linked together: one binding to an E3 ubiquitin ligase and the other to the target protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].              |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 3.0458 mL | 15.229 mL | 30.4581 mL |
| 5 mM  | 0.6092 mL | 3.0458 mL | 6.0916 mL  |
| 10 mM | 0.3046 mL | 1.5229 mL | 3.0458 mL  |
| 50 mM | 0.0609 mL | 0.3046 mL | 0.6092 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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