

## Mal-PEG2-alcohol

## Chemical Properties

|                   |  |
|-------------------|--|
| CAS No. :         | 34321-81-8   |
| Formula:          | C <sub>8</sub> H <sub>11</sub> NO <sub>4</sub>   |
| Molecular Weight: | 185.177  |
| 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-PEG2-alcohol, a PEG-based linker for PROTACs, joins two essential ligands crucial for forming PROTAC molecules, enabling selective protein degradation by leveraging the ubiquitin-proteasome system within cells.                  |
| Targets(IC50) | Others,PROTAC Linker  |
| In vitro      | PROTACs consist of two ligands linked together: one targets an E3 ubiquitin ligase, and the other binds to the target protein. Utilizing the intracellular ubiquitin-proteasome system, PROTACs selectively degrade target proteins[1]. |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 5.4002 mL | 27.0008 mL | 54.0015 mL |
| 5 mM  | 1.080 mL  | 5.4002 mL  | 10.8003 mL |
| 10 mM | 0.540 mL  | 2.7001 mL  | 5.4002 mL  |
| 50 mM | 0.108 mL  | 0.540 mL   | 1.080 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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