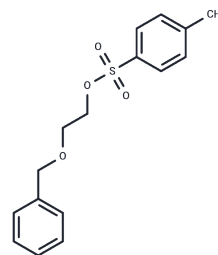


## Benzyl-PEG1-Tos

## Chemical Properties

|                   |  |
|-------------------|--|
| CAS No. :         | 4981-83-3  |
| Formula:          | C16H18O4S  |
| Molecular Weight: | 306.38   |
| 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   | Benzyl-PEG1-Tos, a PEG-based linker for PROTACs, joins two essential ligands necessary for forming PROTAC molecules and enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.                    |
| Targets(IC50) | Others,PROTAC Linker   |
| In vitro      | PROTACs are composed of two distinct ligands linked together: one binds to an E3 ubiquitin ligase and the other to the target protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1]. |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 3.2639 mL | 16.3196 mL | 32.6392 mL |
| 5 mM  | 0.6528 mL | 3.2639 mL  | 6.5278 mL  |
| 10 mM | 0.3264 mL | 1.632 mL   | 3.2639 mL  |
| 50 mM | 0.0653 mL | 0.3264 mL  | 0.6528 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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