

## Decaethylene glycol dodecyl ether

## Chemical Properties

|                   |  |
|-------------------|--|
| CAS No. :         | 618113-48-7  |
| Formula:          | C32H66O11  |
| Molecular Weight: | 626.869  |
| 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   | Decaethylene glycol dodecyl ether, a PEG-based PROTAC linker, finds utility in PROTAC synthesis.  |
| Targets(IC50) | Others,PROTAC Linker  |
| In vitro      | PROTACs consist of two ligands linked together: one binds to an E3 ubiquitin ligase, and the other targets a specific protein. By leveraging the intracellular ubiquitin-proteasome system, PROTACs facilitate the selective degradation of target proteins[1]. |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.5952 mL | 7.9761 mL | 15.9523 mL |
| 5 mM  | 0.319 mL  | 1.5952 mL | 3.1905 mL  |
| 10 mM | 0.1595 mL | 0.7976 mL | 1.5952 mL  |
| 50 mM | 0.0319 mL | 0.1595 mL | 0.319 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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