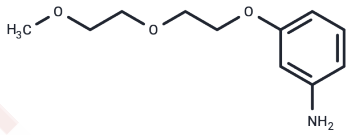
# Data Sheet (Cat.No.T38671)

TargetMol

## m-PEG2-O-Ph-3-NH2

### Chemical Properties



CAS No. : 126415-02-9

Formula: C11H17NO3

Molecular Weight: 211.2576

Storage: Keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

### Biological Description

| | |
|---|---|
| Description | m-PEG2-O-Ph-3-NH2 is a PEG-based linker for PROTACs that connects two essential ligands, facilitating the formation of PROTAC molecules. This linker enables selective protein degradation by utilizing the ubiquitin-proteasome system within cells. |
| Targets(IC50) | Others,PROTAC Linker |
| In vitro | PROTACs utilize two distinct ligands joined by a linker, with one ligand targeting an E3 ubiquitin ligase and the other the target protein. They harness the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 4.7335 mL | 23.6675 mL | 47.335 mL |
| 5 mM | 0.9467 mL | 4.7335 mL | 9.467 mL |
| 10 mM | 0.4734 mL | 2.3668 mL | 4.7335 mL |
| 50 mM | 0.0947 mL | 0.4734 mL | 0.9467 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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