# Data Sheet (Cat.No.T15156)

TargetMol

## Dodecaethylene glycol

### Chemical Properties



CAS No. : 6790-09-6

Formula: C24H50O13

Molecular Weight: 546.65

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 | Dodecaethylene glycol, a PEG-based linker for PROTACs, joins two essential ligands crucial 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 consist of two ligands connected by a linker: one ligand targets an E3 ubiquitin ligase, and the other targets the desired protein. These compounds utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 1.8293 mL | 9.1466 mL | 18.2932 mL |
| 5 mM | 0.3659 mL | 1.8293 mL | 3.6586 mL |
| 10 mM | 0.1829 mL | 0.9147 mL | 1.8293 mL |
| 50 mM | 0.0366 mL | 0.1829 mL | 0.3659 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

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481