

## Methyltetrazine-PEG12-DBCO

## Chemical Properties

CAS No. :

Formula: C<sub>52</sub>H<sub>70</sub>N<sub>6</sub>O<sub>14</sub>

Molecular Weight: 1003.14

Keep away from direct sunlight

Storage: 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   | Methyltetrazine-PEG12-DBCO is a polyethylene glycol (PEG)-based linker compound utilized in the synthesis of proteolysis targeting chimeras (PROTACs)[1].  |
| Targets(IC50) | Others,PROTAC Linker   |
| In vitro      | PROTACs, comprising two distinct ligands connected by a linker—one for an E3 ubiquitin ligase and the other for the target protein—exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1]. |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg      |
|-------|-----------|-----------|-----------|
| 1 mM  | 0.9969 mL | 4.9843 mL | 9.9687 mL |
| 5 mM  | 0.1994 mL | 0.9969 mL | 1.9937 mL |
| 10 mM | 0.0997 mL | 0.4984 mL | 0.9969 mL |
| 50 mM | 0.0199 mL | 0.0997 mL | 0.1994 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

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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