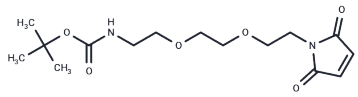
# Data Sheet (Cat.No.T15980)

TargetMol
YOUR TARGET MOLECULES

## Mal-PEG2-NH-Boc

### Chemical Properties



CAS No. : 660843-21-0

Formula: C15H24N2O6

Molecular Weight: 328.36

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

### Biological Description

| | |
|---|---|
| Description | Mal-PEG2-NH-Boc is a PEG-based linker for PROTACs which joins two essential ligands, crucial for forming PROTAC molecules. This linker enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells. |
| Targets(IC50) | Others |
| In vitro | PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 3.0454 mL | 15.2272 mL | 30.4544 mL |
| 5 mM | 0.6091 mL | 3.0454 mL | 6.0909 mL |
| 10 mM | 0.3045 mL | 1.5227 mL | 3.0454 mL |
| 50 mM | 0.0609 mL | 0.3045 mL | 0.6091 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.

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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