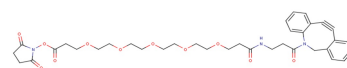


## DBCO-NHCO-PEG5-NHS ester

## Chemical Properties

|                   |  |
|-------------------|--|
| CAS No.:          | 1378531-80-6   |
| Formula:          | C <sub>36</sub> H <sub>43</sub> N <sub>3</sub> O <sub>11</sub>         |
| Molecular Weight: | 693.74   |
| Appearance:       | N/A  |
| Storage:          | 0-4°C for short term (days to weeks), or -20°C for long term (months). |



## Biological Description

|                            |   |
|----------------------------|---|
| Description                | DBCO-NHCO-PEG5-NHS ester is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs[1].  |
| Targets(IC <sub>50</sub> ) | PEGs: None  |
| 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]. |

## Solubility Information

|            |   |
|------------|---|
| Solubility | < 1 mg/ml refers to the product slightly soluble or insoluble |
|------------|---|

## Preparing Stock Solutions

|       | 1mg      | 5mg      | 10mg      |
|-------|----------|----------|-----------|
| 1 mM  | 1.441 mL | 7.207 mL | 14.415 mL |
| 5 mM  | 0.288 mL | 1.441 mL | 2.883 mL  |
| 10 mM | 0.144 mL | 0.721 mL | 1.441 mL  |
| 50 mM | 0.029 mL | 0.144 mL | 0.288 mL  |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. 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

Inhibitors · Natural Compounds · Compound Libraries

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Tel:781-999-4286

E-mail:[info@targetmol.com](mailto:info@targetmol.com)

Address:36 Washington Street,Wellesley Hills,MA 02481