

## N-Desthiobiotin-N-bis(PEG4-NHS ester)

## Chemical Properties

CAS No. : 2353409-61-5

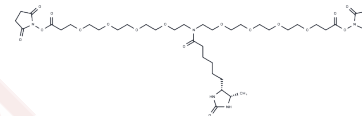
Formula: C40H65N5O18

Molecular Weight: 903.97

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   | N-Desthiobiotin-N-bis(PEG4-NHS ester) is a polyethylene glycol (PEG) derived linker utilized in the synthesis of PROTACs [1].   |
| Targets(IC50) | Others,PROTAC Linker  |
| In vitro      | PROTACs consist of two ligands linked by a linker: one ligand targets an E3 ubiquitin ligase, while the other targets a specific protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1]. |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.1062 mL | 5.5312 mL | 11.0623 mL |
| 5 mM  | 0.2212 mL | 1.1062 mL | 2.2125 mL  |
| 10 mM | 0.1106 mL | 0.5531 mL | 1.1062 mL  |
| 50 mM | 0.0221 mL | 0.1106 mL | 0.2212 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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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481