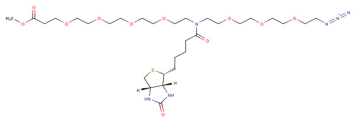
# Data Sheet (Cat.No.T16184)

TargetMol
A DRUG SCREENING EXPERT

N-(Azido-PEG3)-N-Biotin-PEG4-methyl ester

## Chemical Properties



| | |
|---|---|
| CAS No.: | 2100306-76-9 |
| Formula: | C30H54N6O11S |
| Molecular Weight: | 706.85 |
| Appearance: | N/A |
| Storage: | 0-4℃ for short term (days to weeks), or -20℃ for long term (months). |

## Biological Description

| | |
|---|---|
| Description | N-(Azido-PEG3)-N-Biotin-PEG4-methyl ester is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs[1]. |
| Targets($IC_{50}$) | 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 | 1.415 mL | 7.074 mL | 14.147 mL |
| 5 mM | 0.283 mL | 1.415 mL | 2.829 mL |
| 10 mM | 0.141 mL | 0.707 mL | 1.415 mL |
| 50 mM | 0.028 mL | 0.141 mL | 0.283 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 ℃ for 6 months; - 20 ℃ 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

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