

Azido-PEG3-maleimide

Chemical Properties

CAS No. : 1858264-36-4

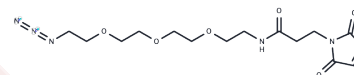
Formula: C15H23N5O6

Molecular Weight: 369.37

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 | Azido-PEG3-maleimide is a PEG-based PROTAC linker used primarily for the synthesis of PROTACs[1] and also functions as a cleavable 3-unit PEG ADC linker in the synthesis of antibody-drug conjugates (ADCs)[2]. |
| Targets(IC50) | Others,PROTAC Linker |
| In vitro | PROTACs, comprising two ligands linked together—one targeting E3 ubiquitin ligase and the other the target protein—use the ubiquitin-proteasome system to selectively degrade target proteins[1]. ADCs consist of an antibody connected to a cytotoxin via an ADC linker[2]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.7073 mL | 13.5366 mL | 27.0731 mL |
| 5 mM | 0.5415 mL | 2.7073 mL | 5.4146 mL |
| 10 mM | 0.2707 mL | 1.3537 mL | 2.7073 mL |
| 50 mM | 0.0541 mL | 0.2707 mL | 0.5415 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

Deshmukh AA, et al. Detection of Protease Activity by Fluorescent Peptide Zymography. J Vis Exp. 2019 Jan 20; (143).

Allo B, et al. Clickable and High-Sensitivity Metal-Containing Tags for Mass Cytometry. Bioconjug Chem. 2018 Jun 20;29(6):2028-2038.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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