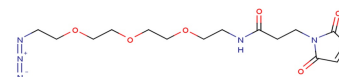


Azido-PEG3-maleimide

Chemical Properties

CAS No.:	1858264-36-4
Formula:	C ₁₅ H ₂₃ N ₅ O ₆
Molecular Weight:	369.37
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Azido-PEG3-maleimide is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs[1]. Azido-PEG3-maleimide is also a cleavable 3 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs)[2].
Targets(IC ₅₀)	PEGs: None Cleavable: 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]. ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker[2].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.707 mL	13.537 mL	27.073 mL
5 mM	0.541 mL	2.707 mL	5.415 mL
10 mM	0.271 mL	1.354 mL	2.707 mL
50 mM	0.054 mL	0.271 mL	0.541 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. Deshmukh AA, et al. Detection of Protease Activity by Fluorescent Peptide Zymography. J Vis Exp. 2019 Jan 20;(143).
2. Allo B, et al. Clickable and High-Sensitivity Metal-Containing Tags for Mass Cytometry. Bioconjug Chem. 2018 Jun 20;29(6):2028-2038.

Inhibitors · Natural Compounds · Compound Libraries

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