

Alkyne-PEG4-maleimide

Chemical Properties

CAS No. : 1609651-90-2

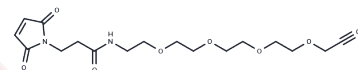
Formula: C18H26N2O7

Molecular Weight: 382.41

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	Alkyne-PEG4-maleimide is a PEG-based bifunctional linker designed for the construction of PROTAC molecules, enabling covalent conjugation between ligand moieties via its terminal alkyne and maleimide groups, and facilitating selective protein degradation through ubiquitin-proteasome system recruitment.
Targets(IC50)	PROTAC Linker
In vitro	PROTACs consist of two ligands connected by a linker: one binds to an E3 ubiquitin ligase, and the other targets a specific protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade their target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.615 mL	13.075 mL	26.1499 mL
5 mM	0.523 mL	2.615 mL	5.230 mL
10 mM	0.2615 mL	1.3075 mL	2.615 mL
50 mM	0.0523 mL	0.2615 mL	0.523 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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