

Azido-PEG1-NHS ester

Chemical Properties

CAS No. : 1807530-06-8

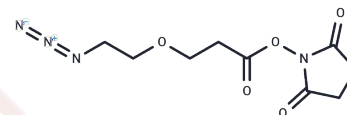
Formula: C₉H₁₂N₄O₅

Molecular Weight: 256.22

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-PEG1-NHS ester is a PEG-based linker for PROTACs, enabling the formation of PROTAC molecules by joining two essential ligands and facilitating selective protein degradation through the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands joined by a linker: one targets an E3 ubiquitin ligase and the other binds to the target protein. They leverage the intracellular ubiquitin-proteasome system for selective degradation of target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9029 mL	19.5145 mL	39.029 mL
5 mM	0.7806 mL	3.9029 mL	7.8058 mL
10 mM	0.3903 mL	1.9514 mL	3.9029 mL
50 mM	0.0781 mL	0.3903 mL	0.7806 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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