

HS-PEG5-CH₂CH₂N₃

Chemical Properties

CAS No. : 1449390-11-7

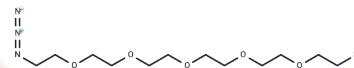
Formula: C₁₂H₂₅N₃O₅S

Molecular Weight: 323.41

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	HS-PEG5-CH ₂ CH ₂ N ₃ is a PEG-based linker for PROTACs that joins two essential ligands, crucial for forming PROTAC molecules, enabling selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, consisting of two distinct ligands joined by a linker—one targeting an E3 ubiquitin ligase and the other the target protein—leverage the intracellular ubiquitin-proteasome system to specifically degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0921 mL	15.4603 mL	30.9205 mL
5 mM	0.6184 mL	3.0921 mL	6.1841 mL
10 mM	0.3092 mL	1.546 mL	3.0921 mL
50 mM	0.0618 mL	0.3092 mL	0.6184 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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