

Fmoc-L-Lys(4-N3-Z)-OH

Chemical Properties

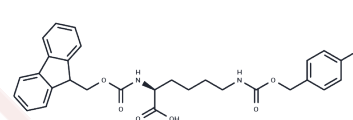
CAS No. : 1446511-14-3

Formula: C₂₉H₂₉N₅O₆

Molecular Weight: 543.57

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	Fmoc-L-Lys(4-N3-Z)-OH is a chemical reagent characterized by its azide group. This compound serves as a lysine building block in solid-phase peptide synthesis (SPPS) with azide functionality, useful as a bioorthogonal handle, an infrared probe, and a photoaffinity label. It undergoes strain-promoted 1,3-dipolar cycloaddition facilitated by trans-cyclooctene decarboxylation. Additionally, Fmoc-L-Lys(4-N3-Z)-OH functions as a click chemistry reagent, enabling copper-catalyzed azide-alkyne cycloaddition reactions (CuAAC) with molecules containing alkyne groups. Moreover, it can participate in strain-promoted alkyne-azide cycloaddition reactions (SPAAC) with molecules that possess DBCO or BCN groups.
Targets(IC50)	ADC Linker

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8397 mL	9.1984 mL	18.3969 mL
5 mM	0.3679 mL	1.8397 mL	3.6794 mL
10 mM	0.184 mL	0.9198 mL	1.8397 mL
50 mM	0.0368 mL	0.184 mL	0.3679 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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