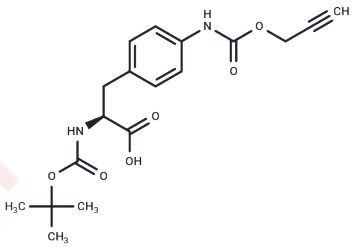
Data Sheet (Cat.No.T89805)

TargetMol

Boc-L-Phe(4-NH-Poc)-OH

Chemical Properties



CAS No. : 2576508-03-5

Formula: C18H22N2O6

Molecular Weight: 362.38

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	Boc-L-Phe(4-NH-Poc)-OH is a chemical reagent with an azido group used in peptide synthesis as a protected orthogonal building block. The propargyl group, commonly abbreviated as Poc or Pryoc, serves as a standard alkyne component for click conjugation and can be combined with tetrazine connectors in copper-free Diels-Alder type click reactions. It also acts as a special protective group for amines, hydroxyls, and esters, stable under neat TFA but can undergo TFA:DCM cleavage with Co2(CO)8 at room temperature. Deprotection reports with other transition metals such as palladium exist. Additionally, Boc-L-Phe(4-NH-Poc)-OH contains an Alkyne group that reacts with azide-containing molecules via copper-catalyzed azide-alkyne cycloaddition (CuAAC).
Targets(IC50)	ADC Linker

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7595 mL	13.7977 mL	27.5953 mL
5 mM	0.5519 mL	2.7595 mL	5.5191 mL
10 mM	0.276 mL	1.3798 mL	2.7595 mL
50 mM	0.0552 mL	0.276 mL	0.5519 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.

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