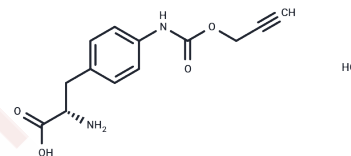


## H-L-Phe(4-NH-Poc)-OH hydrochloride

## Chemical Properties

CAS No. :	2737202-66-1
Formula:	C <sub>13</sub> H <sub>15</sub> ClN <sub>2</sub> O <sub>4</sub>
Molecular Weight:	298.72
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	H-L-Phe(4-NH-Poc)-OH (hydrochloride) is a chemical reagent utilized in the modification of phenylalanine or tyrosine analogues in protein and peptide biosynthesis. It contains an alkyne group, facilitating its role in copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules that have azide groups. Commonly abbreviated as Poc or Pryoc, this compound acts as both a conventional click conjugation alkyne component and can be combined with tetrazine linkers in copper-free Diels-Alder type click reactions. Additionally, H-L-Phe(4-NH-Poc)-OH serves as a specialized protective group for amines, hydroxyl, and ester groups. Stable under neat trifluoroacetic acid (TFA), degradation occurs at room temperature using TFA:DCM with Co <sub>2</sub> (CO) <sub>8</sub> . Deprotection involving other transition metals such as palladium has also been reported.
Targets(IC <sub>50</sub> )	ADC Linker

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3476 mL	16.7381 mL	33.4762 mL
5 mM	0.6695 mL	3.3476 mL	6.6952 mL
10 mM	0.3348 mL	1.6738 mL	3.3476 mL
50 mM	0.067 mL	0.3348 mL	0.6695 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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