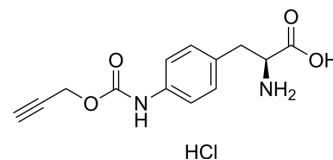


H-L-Phe(4-NH-Poc)-OH hydrochloride

Cat. No.:	HY-151837
CAS No.:	2737202-66-1
Molecular Formula:	C ₁₃ H ₁₅ ClN ₂ O ₄
Molecular Weight:	298.72
Target:	ADC Linker
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

H-L-Phe(4-NH-Poc)-OH (hydrochloride) is a click chemistry reagent containing an azide group. Used as a modified Phe or Tyr analogue in protein and peptide biosynthesis. Propargyloxycarbonyl, commonly abbreviated as Poc or Pryoc, can either be used as alkyne component for standard Click conjugation or in combination with tetrazine linkers in copper-free Diels-Alder type Click reactions. It also has applications as unusual protecting group for amines, hydroxy functions and as esters. All 3 are stable to neat TFA, but can be cleaved at ambient temperature with Co₂(CO)₈ in TFA:DCM. Deprotection with other transition metals like palladium have also been reported^{[1][2]}. H-L-Phe(4-NH-Poc)-OH (hydrochloride) is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

REFERENCES

- [1]. Le Chevalier Isaad A, et al. Side chain-to-side chain cyclization by click reaction. *J Pept Sci.* 2009 Jul;15(7):451-4.
- [2]. Jiang X, et al. Recent applications of click chemistry in drug discovery. *Expert Opin Drug Discov.* 2019 Aug;14(8):779-789.

Caution: Product has not been fully validated for medical applications. For research use only.

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