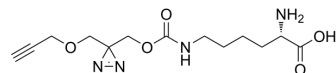


PrDiAzK

Cat. No.:	HY-132975
CAS No.:	2231405-64-2
Molecular Formula:	C ₁₃ H ₂₀ N ₄ O ₅
Molecular Weight:	312.32
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

PrDiAzK is a bifunctional amino acid. PrDiAzK can be site-selectively incorporated into proteins in both bacterial and mammalian cell culture. PrDiAzK can be used for proteome-wide incorporation via stochastic orthogonal recoding of translation (SORT)^[1]. PrDiAzK 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]. Hoffmann JE, et L. A Bifunctional Noncanonical Amino Acid: Synthesis, Expression, and Residue-Specific Proteome-wide Incorporation. *Biochemistry*. 2018;57(31):4747-4752.

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

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