# Phenol-amido-C1-PEG3-N3

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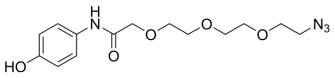
| **Cat. No.:** | HY-128835 |
| **CAS No.:** | 1096439-18-7 |
| **Molecular Formula:** | $C_{14}H_{20}N_4O_5$ |
| **Molecular Weight:** | 324.33 |
| **Target:** | PROTAC Linkers |
| **Pathway:** | PROTAC |
| **Storage:** | Please store the product under the recommended conditions in the Certificate of Analysis. |



## BIOLOGICAL ACTIVITY

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| **Description** | Phenol-amido-C1-PEG3-N3 (PROTAC Linker 21) is an PEG-based PROTAC linker can be used in the synthesis of PROTACs[1]. Phenol-amido-C1-PEG3-N3 is a click chemistry reagent, it contains an Azide group and can undergo copper-catalyzed azide-alkyne cycloaddition reaction (CuAAc) with molecules containing Alkyne groups. Strain-promoted alkyne-azide cycloaddition (SPAAC) can also occur with molecules containing DBCO or BCN groups. |
| **$IC_{50}$ & Target** | PEGs |
| **In Vitro** | PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

## REFERENCES

[1]. An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562.



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