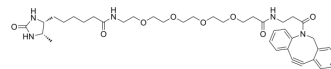


DBCO-PEG4-Desthiobiotin

| | |
|--------------------|---|
| Cat. No.: | HY-140301 |
| CAS No.: | 2032788-37-5 |
| Molecular Formula: | C ₃₉ H ₅₃ N ₅ O ₈ |
| Molecular Weight: | 719.87 |
| Target: | PROTAC Linkers |
| Pathway: | PROTAC |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | |
|---------------------------|--|
| Description | DBCO-PEG4-Desthiobiotin is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs ^[1] . DBCO-PEG4-Desthiobiotin is a click chemistry reagent, it contains a DBCO group that can undergo strain-promoted alkyne-azide cycloaddition (SPAAC) with molecules containing Azide 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

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

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