



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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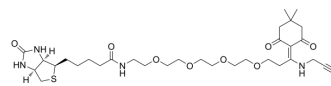
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## Dde Biotin-PEG4-alkyne

|                           |   |       |          |
|---------------------------|---|-------|----------|
| <b>Cat. No.:</b>          | HY-140924   |       |          |
| <b>CAS No.:</b>           | 1802908-00-4  |       |          |
| <b>Molecular Formula:</b> | C <sub>32</sub> H <sub>50</sub> N <sub>4</sub> O <sub>8</sub> S |       |          |
| <b>Molecular Weight:</b>  | 650.83  |       |          |
| <b>Target:</b>            | PROTAC Linkers  |       |          |
| <b>Pathway:</b>           | PROTAC  |       |          |
| <b>Storage:</b>           | Powder  | -20°C | 3 years  |
|                           |   | 4°C   | 2 years  |
|                           | In solvent  | -80°C | 6 months |
|                           |   | -20°C | 1 month  |



### BIOLOGICAL ACTIVITY

|                                     |  |
|-------------------------------------|--|
| <b>Description</b>                  | Dde Biotin-PEG4-alkyne is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs <sup>[1]</sup> . Dde Biotin-PEG4-alkyne is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.   |
| <b>IC<sub>50</sub> &amp; Target</b> | PEGs   |
| <b>In Vitro</b>                     | 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 <sup>[1]</sup> . 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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