



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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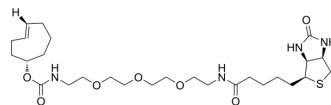
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## TCO-PEG3-Biotin

|                    |                                                                 |       |          |
|--------------------|-----------------------------------------------------------------|-------|----------|
| Cat. No.:          | HY-136050                                                       |       |          |
| Molecular Formula: | C <sub>27</sub> H <sub>46</sub> N <sub>4</sub> O <sub>7</sub> S |       |          |
| Molecular Weight:  | 570.74                                                          |       |          |
| Target:            | ADC Linker                                                      |       |          |
| Pathway:           | Antibody-drug Conjugate/ADC Related                             |       |          |
| Storage:           | Powder                                                          | -20°C | 3 years  |
|                    | In solvent                                                      | -80°C | 6 months |
|                    |                                                                 | -20°C | 1 month  |



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 125 mg/mL (219.01 mM; Need ultrasonic)

| Solvent                   | Mass  | Concentration |           |            |
|---------------------------|-------|---------------|-----------|------------|
|                           |       | 1 mg          | 5 mg      | 10 mg      |
| Preparing Stock Solutions | 1 mM  | 1.7521 mL     | 8.7606 mL | 17.5211 mL |
|                           | 5 mM  | 0.3504 mL     | 1.7521 mL | 3.5042 mL  |
|                           | 10 mM | 0.1752 mL     | 0.8761 mL | 1.7521 mL  |

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

TCO-PEG3-Biotin is a cleavable 3 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs)<sup>[1]</sup>. TCO-PEG3-Biotin is a click chemistry reagent, it contains a TCO group that can undergo an inverse electron demand Diels-Alder reaction (IEDDA) with molecules containing Tetrazine groups.

#### IC<sub>50</sub> & Target

Cleavable Linker

#### In Vitro

ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker<sup>[1]</sup>. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Beck A, et al. Strategies and challenges for the next generation of antibody-drug conjugates. Nat Rev Drug Discov. 2017 May;16(5):315-337.

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

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