



# 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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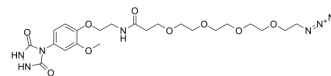
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## PTDA-PEG4-azide

|                    |                                                                       |
|--------------------|-----------------------------------------------------------------------|
| Cat. No.:          | HY-130940                                                             |
| CAS No.:           | 2639395-40-5                                                          |
| Molecular Formula: | C <sub>22</sub> H <sub>33</sub> N <sub>7</sub> O <sub>9</sub>         |
| Molecular Weight:  | 539.54                                                                |
| Target:            | ADC Linker                                                            |
| Pathway:           | Antibody-drug Conjugate/ADC Related                                   |
| Storage:           | Pure form -20°C 3 years<br>In solvent -80°C 6 months<br>-20°C 1 month |



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 125 mg/mL (231.68 mM; Need ultrasonic)

|                              | Solvent<br>Concentration | Mass | 1 mg      | 5 mg      | 10 mg      |
|------------------------------|--------------------------|------|-----------|-----------|------------|
|                              |                          |      |           |           |            |
| Preparing<br>Stock Solutions | 1 mM                     |      | 1.8534 mL | 9.2672 mL | 18.5343 mL |
|                              | 5 mM                     |      | 0.3707 mL | 1.8534 mL | 3.7069 mL  |
|                              | 10 mM                    |      | 0.1853 mL | 0.9267 mL | 1.8534 mL  |

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

### BIOLOGICAL ACTIVITY

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description               | PTAD-PEG4-N3 is a cleavable 4 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs) <sup>[1]</sup> . PTAD-PEG4-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. It can also undergo strain-promoted alkyne-azide cycloaddition (SPAAC) reactions with molecules containing DBCO or BCN 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> .<br>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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