



# 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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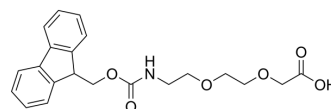
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## Fmoc-8-amino-3,6-dioxaoctanoic acid

|                           |   |       |          |
|---------------------------|---|-------|----------|
| <b>Cat. No.:</b>          | HY-W007713                                      |       |          |
| <b>CAS No.:</b>           | 166108-71-0                                     |       |          |
| <b>Molecular Formula:</b> | C <sub>21</sub> H <sub>23</sub> NO <sub>6</sub> |       |          |
| <b>Molecular Weight:</b>  | 385.41  |       |          |
| <b>Target:</b>            | ADC Linker; PROTAC Linkers                      |       |          |
| <b>Pathway:</b>           | Antibody-drug Conjugate/ADC Related; PROTAC     |       |          |
| <b>Storage:</b>           | Powder  | -20°C | 3 years  |
|                           |   | 4°C   | 2 years  |
|                           | In solvent                                      | -80°C | 6 months |
|                           |   | -20°C | 1 month  |



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 25 mg/mL (64.87 mM; ultrasonic and warming and heat to 60°C)

| Concentration             | Solvent | Mass      |            |            |
|---------------------------|---------|-----------|------------|------------|
|                           |         | 1 mg      | 5 mg       | 10 mg      |
| Preparing Stock Solutions | 1 mM    | 2.5946 mL | 12.9732 mL | 25.9464 mL |
|                           | 5 mM    | 0.5189 mL | 2.5946 mL  | 5.1893 mL  |
|                           | 10 mM   | 0.2595 mL | 1.2973 mL  | 2.5946 mL  |

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

### BIOLOGICAL ACTIVITY

#### Description

Fmoc-8-amino-3,6-dioxaoctanoic acid (Fmoc-NH-PEG2-CH<sub>2</sub>COOH) is a cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs). Fmoc-8-amino-3,6-dioxaoctanoic acid is also a PEG-based PROTAC linker that can be used in the synthesis of PROTACs<sup>[1]</sup>.

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

|                  |             |      |
|------------------|-------------|------|
| Cleavable Linker | Alkyl/ether | PEGs |
|------------------|-------------|------|

#### In Vitro

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

### REFERENCES

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

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