



# 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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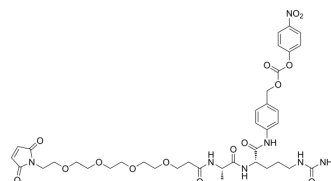
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## Mal-PEG4-Val-Cit-PAB-PNP

|                           |  |
|---------------------------|--|
| <b>Cat. No.:</b>          | HY-140145  |
| <b>CAS No.:</b>           | 2112738-09-5   |
| <b>Molecular Formula:</b> | C <sub>40</sub> H <sub>53</sub> N <sub>7</sub> O <sub>15</sub>                                   |
| <b>Molecular Weight:</b>  | 871.89   |
| <b>Target:</b>            | ADC Linker   |
| <b>Pathway:</b>           | Antibody-drug Conjugate/ADC Related  |
| <b>Storage:</b>           | -20°C, protect from light<br>* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light) |



### SOLVENT & SOLUBILITY

|   |   |                          |           |           |            |
|---|---|--------------------------|-----------|-----------|------------|
| <b>In Vitro</b>   | DMSO : 100 mg/mL (114.69 mM; Need ultrasonic)   |                          |           |           |            |
|   |   | Solvent<br>Concentration | Mass      |           |            |
|   | <b>Preparing Stock Solutions</b>  |                          | 1 mg      | 5 mg      | 10 mg      |
|   |   | 1 mM                     | 1.1469 mL | 5.7347 mL | 11.4693 mL |
|   |   | 5 mM                     | 0.2294 mL | 1.1469 mL | 2.2939 mL  |
| 10 mM   | 0.1147 mL   | 0.5735 mL                | 1.1469 mL |           |            |
| Please refer to the solubility information to select the appropriate solvent. |   |                          |           |           |            |
| <b>In Vivo</b>  | 1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline<br>Solubility: ≥ 2.08 mg/mL (2.39 mM); Clear solution<br><br>2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)<br>Solubility: ≥ 2.08 mg/mL (2.39 mM); Clear solution |                          |           |           |            |

### BIOLOGICAL ACTIVITY

|                                     |   |           |
|-------------------------------------|---|-----------|
| <b>Description</b>                  | Mal-PEG4-Val-Cit-PAB-PNP is a cleavable 4 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs) <sup>[1]</sup> .   |           |
| <b>IC<sub>50</sub> &amp; Target</b> | Protease Cleavable  | Cleavable |
| <b>In Vitro</b>                     | 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

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

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