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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

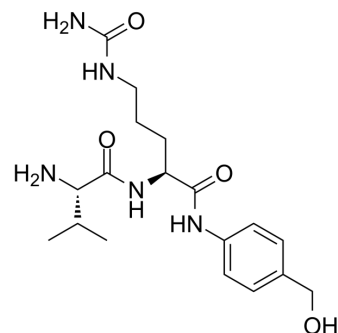
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Val-cit-PAB-OH

|                    |                                                                        |
|--------------------|------------------------------------------------------------------------|
| Cat. No.:          | HY-12362                                                               |
| CAS No.:           | 159857-79-1                                                            |
| Molecular Formula: | C <sub>18</sub> H <sub>29</sub> N <sub>5</sub> O <sub>4</sub>          |
| Molecular Weight:  | 379.45                                                                 |
| Target:            | ADC Linker                                                             |
| Pathway:           | Antibody-drug Conjugate/ADC Related                                    |
| Storage:           | 4°C, stored under nitrogen                                             |
|                    | * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen) |



### SOLVENT & SOLUBILITY

|          |                                                                                     |               |           |            |            |
|----------|-------------------------------------------------------------------------------------|---------------|-----------|------------|------------|
| In Vitro | DMSO : ≥ 100 mg/mL (263.54 mM)                                                      |               |           |            |            |
|          | * "≥" means soluble, but saturation unknown.                                        |               |           |            |            |
|          | Preparing Stock Solutions                                                           | Mass          | 1 mg      | 5 mg       | 10 mg      |
|          |                                                                                     | Solvent       |           |            |            |
|          |                                                                                     | Concentration |           |            |            |
|          |                                                                                     | 1 mM          | 2.6354 mL | 13.1770 mL | 26.3539 mL |
| In Vivo  | Preparing Stock Solutions                                                           | 5 mM          | 0.5271 mL | 2.6354 mL  | 5.2708 mL  |
|          |                                                                                     | 10 mM         | 0.2635 mL | 1.3177 mL  | 2.6354 mL  |
|          |                                                                                     |               |           |            |            |
|          |                                                                                     |               |           |            |            |
|          | Please refer to the solubility information to select the appropriate solvent.       |               |           |            |            |
| In Vivo  | 1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline |               |           |            |            |
|          | Solubility: ≥ 2.08 mg/mL (5.48 mM); Clear solution                                  |               |           |            |            |
|          | 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)            |               |           |            |            |
| In Vivo  | Solubility: ≥ 2.08 mg/mL (5.48 mM); Clear solution                                  |               |           |            |            |
|          | 3. Add each solvent one by one: 10% DMSO >> 90% corn oil                            |               |           |            |            |
| In Vivo  | Solubility: ≥ 2.08 mg/mL (5.48 mM); Clear solution                                  |               |           |            |            |

### BIOLOGICAL ACTIVITY

|                           |                                                                                                                                                                                                   |                  |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Description               | Val-cit-PAB-OH is a degradable ADC linker.                                                                                                                                                        |                  |
| IC <sub>50</sub> & Target | Protease Cleavable Linker                                                                                                                                                                         | Cleavable Linker |
| In Vitro                  | ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker.<br>MCE has not independently confirmed the accuracy of these methods. They are for reference only. |                  |

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## CUSTOMER VALIDATION

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- Patent. US20240191272A1.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA