



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### 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

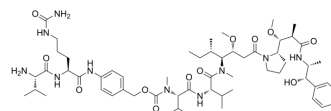
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

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

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

## Val-Cit-PAB-MMAE

Cat. No.:	HY-100374
CAS No.:	644981-35-1
Molecular Formula:	C <sub>58</sub> H <sub>94</sub> N <sub>10</sub> O <sub>12</sub>
Molecular Weight:	1123.43
Target:	Drug-Linker Conjugates for ADC
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	4°C, stored under nitrogen * The compound is unstable in solutions, freshly prepared is recommended.



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 110 mg/mL (97.91 mM)  
\* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	0.8901 mL	4.4507 mL	8.9013 mL
	5 mM	0.1780 mL	0.8901 mL	1.7803 mL
	10 mM	0.0890 mL	0.4451 mL	0.8901 mL

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

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 5.5 mg/mL (4.90 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 5 mg/mL (4.45 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 5 mg/mL (4.45 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Val-Cit-PAB-MMAE is a agent-linker conjugate for ADC. Val-Cit-PAB-MMAE contains the ADCs linker (peptide Val-Cit-PAB) and a potent tubulin inhibitor MMAE (HY-15162). MMAE a potent mitotic inhibitor by inhibiting tubulin polymerization.

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

Auristatin

### CUSTOMER VALIDATION

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- Patent. US20210093733A1.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

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## REFERENCES

[1]. Okeley, et al. Intracellular Activation of SGN-35, a Potent Anti-CD30 Antibody-Drug Conjugate. Clinical Cancer Research (2010), 16(3), 888-897.

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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