



# 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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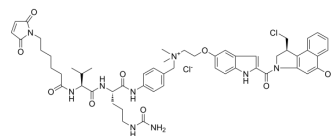
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## MC-Val-Cit-PAB-duocarmycin chloride

<b>Cat. No.:</b>	HY-128904
<b>CAS No.:</b>	2055896-98-3
<b>Molecular Formula:</b>	C <sub>54</sub> H <sub>65</sub> Cl <sub>2</sub> N <sub>9</sub> O <sub>9</sub>
<b>Molecular Weight:</b>	1055.05
<b>Target:</b>	Drug-Linker Conjugates for ADC
<b>Pathway:</b>	Antibody-drug Conjugate/ADC Related
<b>Storage:</b>	-20°C, protect from light, stored under nitrogen * The compound is unstable in solutions, freshly prepared is recommended.



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 130 mg/mL (123.22 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	0.9478 mL	4.7391 mL	9.4782 mL	
5 mM	0.1896 mL	0.9478 mL	1.8956 mL	
10 mM	0.0948 mL	0.4739 mL	0.9478 mL	

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

### BIOLOGICAL ACTIVITY

#### Description

MC-Val-Cit-PAB-duocarmycin chloride is a agent-linker conjugate for ADC with potent antitumor activity by using Duocarmycin (a DNA minor groove binding alkylating agent), linked via the ADC linker MC-Val-Cit-PAB.

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

Duocarmycins

### REFERENCES

[1]. Staben LR, et al. Targeted drug delivery through the traceless release of tertiary and heteroaryl amines from antibody-drug conjugates. Nat Chem. 2016 Dec;8(12):1112-1119.

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

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