



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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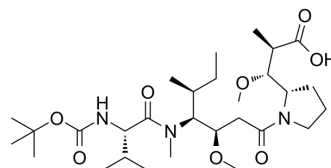
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## Boc-Val-Dil-Dap-OH

<b>Cat. No.:</b>	HY-130961		
<b>CAS No.:</b>	1415246-54-6		
<b>Molecular Formula:</b>	C <sub>29</sub> H <sub>53</sub> N <sub>3</sub> O <sub>8</sub>		
<b>Molecular Weight:</b>	571.75		
<b>Target:</b>	ADC Linker		
<b>Pathway:</b>	Antibody-drug Conjugate/ADC Related		
<b>Storage:</b>	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (174.90 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	<b>Preparing Stock Solutions</b>		1 mg	5 mg	10 mg
		1 mM	1.7490 mL	8.7451 mL	17.4902 mL
		5 mM	0.3498 mL	1.7490 mL	3.4980 mL
	10 mM	0.1749 mL	0.8745 mL	1.7490 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 Solubility: ≥ 2.5 mg/mL (4.37 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (4.37 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.37 mM); Clear solution				

### BIOLOGICAL ACTIVITY

<b>Description</b>	Boc-Val-Dil-Dap-OH is a cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs) <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	Cleavable
<b>In Vitro</b>	ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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## REFERENCES

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[1]. Céline Mordant, et al. Total synthesis of dolastatin 10 through ruthenium-catalyzed asymmetric hydrogenations. Tetrahedron. Volume 63, Issue 27, 2 July 2007, Pages 6115-6123.

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

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