



# 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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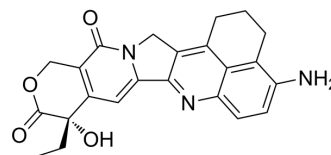
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## (4-NH<sub>2</sub>)-Exatecan

<b>Cat. No.:</b>	HY-145397
<b>CAS No.:</b>	2495742-21-5
<b>Molecular Formula:</b>	C <sub>23</sub> H <sub>21</sub> N <sub>3</sub> O <sub>4</sub>
<b>Molecular Weight:</b>	403.43
<b>Target:</b>	ADC Cytotoxin; Topoisomerase
<b>Pathway:</b>	Antibody-drug Conjugate/ADC Related; Cell Cycle/DNA Damage
<b>Storage:</b>	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (247.87 mM; Need ultrasonic)					
	<b>Preparing Stock Solutions</b>	<b>Solvent</b>	<b>Mass</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>Concentration</b>				
		<b>1 mM</b>		2.4787 mL	12.3937 mL	24.7874 mL
		<b>5 mM</b>		0.4957 mL	2.4787 mL	4.9575 mL
	<b>10 mM</b>		0.2479 mL	1.2394 mL	2.4787 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 (6.20 mM); Suspended solution; Need ultrasonic					

### BIOLOGICAL ACTIVITY

<b>Description</b>	(4-NH <sub>2</sub> )-Exatecan, a topoisomerase inhibitor, is a derivative of Exatecan. (4-NH <sub>2</sub> )-Exatecan can be used in the synthesis of antibody-drug conjugates (ADCs) (US20200306243A1, compound A) <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	Camptothecins
<b>In Vitro</b>	(4-NH <sub>2</sub> )-Exatecan contains a linker for connecting to a Ligand Unit, wherein the linker is attached in a cleavable manner to the amino residue, characterized by the addition of an amino (NH <sub>2</sub> ) functional group at the 4th position of the parent molecule <sup>[1]</sup> . 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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