



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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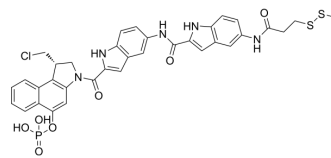
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## DC4SMe

Cat. No.:	HY-135123
CAS No.:	615538-47-1
Molecular Formula:	C <sub>35</sub> H <sub>31</sub> ClN <sub>5</sub> O <sub>7</sub> PS <sub>2</sub>
Molecular Weight:	764.21
Target:	ADC Cytotoxin
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

<b>Description</b>	DC4SMe, a phosphate proagent of cytotoxic DNA alkylator DC4, can be used in the synthesis of antibody-drug conjugate (ADC). DC4SMe exhibits IC <sub>50</sub> s of 1.9 nM, 2.9 nM, and 1.8 nM for Ramos, Namalwa, and HL60/s cancer cells, respectively. DC4SMe can be used for the targeted treatment of cancer <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	Duocarmycins
<b>In Vitro</b>	The phosphate prodrug may be a suitable choice for ADCs of effector molecules that do not possess sufficient water solubility or stability <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

## REFERENCES

[1]. Zhao RY, et al. Synthesis and biological evaluation of antibody conjugates of phosphate prodrugs of cytotoxic DNA alkylators for the targeted treatment of cancer. J Med Chem. 2012 Jan 26;55(2):766-82.

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

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