



# 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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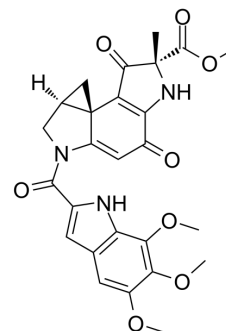
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## Duocarmycin A

<b>Cat. No.:</b>	HY-12455
<b>CAS No.:</b>	118292-34-5
<b>Molecular Formula:</b>	C <sub>26</sub> H <sub>25</sub> N <sub>3</sub> O <sub>8</sub>
<b>Molecular Weight:</b>	507.49
<b>Target:</b>	ADC Cytotoxin; Apoptosis; Caspase
<b>Pathway:</b>	Antibody-drug Conjugate/ADC Related; Apoptosis
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Duocarmycin A, which is one of well-known antitumor antibiotics, is a DNA alkylator and efficiently alkylates adenine N3 at the 3' end of AT-rich sequences in the DNA. Duocarmycin A, as a chemotherapeutic agent, results HLC-2 cells typically apoptotic changes, including chromatin condensation, sub-G1 accumulation in DNA histogram pattern, and decrease in procaspase-3 and 9 levels <sup>[1]</sup> .		
<b>IC<sub>50</sub> &amp; Target</b>	Procaspase-3	Caspase-9	Duocarmycins

### REFERENCES

[1]. Hirota M, et al. Distamycin A enhances the cytotoxicity of duocarmycin A and suppresses duocarmycin A-induced apoptosis in human lung carcinoma cells. *Int J Biochem Cell Biol.* 2007;39(5):988-96.

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

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