



# 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

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

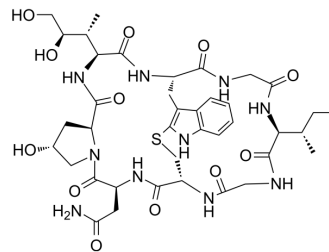
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Dideoxy-amanitin

<b>Cat. No.:</b>	HY-148231
<b>CAS No.:</b>	58255-46-2
<b>Molecular Formula:</b>	C <sub>39</sub> H <sub>54</sub> N <sub>10</sub> O <sub>12</sub> S
<b>Molecular Weight:</b>	886.97
<b>Target:</b>	DNA/RNA Synthesis; ADC Cytotoxin
<b>Pathway:</b>	Cell Cycle/DNA Damage; Antibody-drug Conjugate/ADC Related
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Dideoxy-amanitin (compound 2), an <a href="#">α-Amanitin</a> (HY-19610) derivative, is a potent and selective RNA polymerase II allosteric inhibitor with an IC <sub>50</sub> value of 74.2 nM <sup>[1]</sup> .								
<b>In Vitro</b>	<p>Dideoxy-amanitin (compound 2; 0.078-20 μM; 24 h) has cell cytotoxicity in CHO (Chinese hamster ovary) cells with an IC<sub>50</sub> value of 0.3 μM<sup>[1]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Viability Assay<sup>[1]</sup></p> <table border="1"> <tr> <td>Cell Line:</td> <td>CHO (Chinese hamster ovary) cells</td> </tr> <tr> <td>Concentration:</td> <td>0.078-20 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>24 hours</td> </tr> <tr> <td>Result:</td> <td>Decreased cell proliferation in a dose-dependend manner.</td> </tr> </table>	Cell Line:	CHO (Chinese hamster ovary) cells	Concentration:	0.078-20 μM	Incubation Time:	24 hours	Result:	Decreased cell proliferation in a dose-dependend manner.
Cell Line:	CHO (Chinese hamster ovary) cells								
Concentration:	0.078-20 μM								
Incubation Time:	24 hours								
Result:	Decreased cell proliferation in a dose-dependend manner.								

### REFERENCES

[1]. Matinkhoo K, et, al. Design, Synthesis, and Biochemical Evaluation of Alpha-Amanitin Derivatives Containing Analogs of the trans-Hydroxyproline Residue for Potential Use in Antibody-Drug Conjugates. Chemistry. 2021 Jul 16;27(40):10282-10292.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA