



# 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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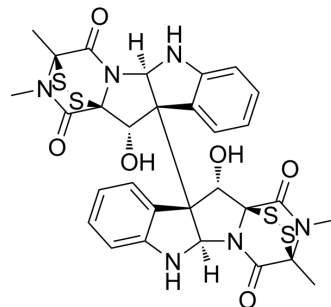
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## Verticillin A

Cat. No.:	HY-126805
CAS No.:	889640-30-6
Molecular Formula:	C <sub>30</sub> H <sub>28</sub> N <sub>6</sub> O <sub>6</sub> S <sub>4</sub>
Molecular Weight:	696.84
Target:	Histone Methyltransferase; MEK; Apoptosis; Antibiotic
Pathway:	Epigenetics; MAPK/ERK Pathway; Apoptosis; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Verticillin A is a selective HMTase inhibitor. Verticillin A inhibits SUV39H1, SUV39H2, G9a, HMT, MLL1 and GLP. Verticillin A is a MEK inhibitor. Verticillin A induces DNA damage and apoptosis. Verticillin A has anticancer effects against various cancers. Verticillin A is also an antibiotic<sup>[1][2][3]</sup>.

### REFERENCES

- [1]. Salvi A, et al. Verticillin A Causes Apoptosis and Reduces Tumor Burden in High-Grade Serous Ovarian Cancer by Inducing DNA Damage. *Mol Cancer Ther.* 2020 Jan;19(1):89-100.
- [2]. Schenke D, et al. Verticillin A is likely not produced by *Verticillium* sp. *J Antibiot (Tokyo).* 2011 Jul;64(7):523-4.
- [3]. Guan Y, et al. Verticillin A increases the BIMEL/MCL-1 ratio to overcome ABT-737-resistance in human colon cancer cells by targeting the MEK/ERK pathway. *Biochem Biophys Res Commun.* 2021 Aug 27;567:22-28.

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

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