



# 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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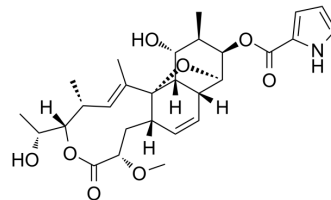
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## Nargenicin A1

|                    |                                                                                           |
|--------------------|-------------------------------------------------------------------------------------------|
| Cat. No.:          | HY-123121                                                                                 |
| CAS No.:           | 70695-02-2                                                                                |
| Molecular Formula: | $C_{28}H_{37}NO_8$                                                                        |
| Molecular Weight:  | 515.6                                                                                     |
| Target:            | Bacterial; NF- $\kappa$ B; Antibiotic; Apoptosis                                          |
| Pathway:           | Anti-infection; NF- $\kappa$ B; Apoptosis                                                 |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

#### Description

Nargenicin A1 is an antibiotic agent against various Gram-positive bacteria. Nargenicin A1 shows anti-inflammatory activity. Nargenicin A1 protects HINAE cells against Tacrolimus (HY-13756)-induced DNA damage and apoptosis. Nargenicin A1 can also be used for the research of acute myeloid leukemia<sup>[1]</sup>.

### REFERENCES

- [1]. Da Hye Kwon, et al. Nargenicin A1 attenuates lipopolysaccharide-induced inflammatory and oxidative response by blocking the NF- $\kappa$ B signaling pathway. EXCLI J. 2021 May 28;20:968-982.
- [2]. Dhakal D, et al. Characterization of Tailoring Steps of Nargenicin A1 Biosynthesis Reveals a Novel Analogue with Anticancer Activities. ACS Chem Biol. 2020 Jun 19;15(6):1370-1380.

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

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