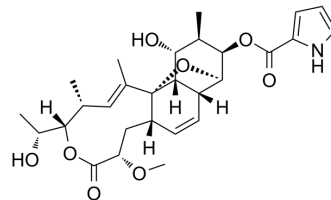


Nargenicin A1

Cat. No.:	HY-123121
CAS No.:	70695-02-2
Molecular Formula:	C ₂₈ H ₃₇ NO ₈
Molecular Weight:	515.6
Target:	Bacterial; NF-κB; Antibiotic; Apoptosis
Pathway:	Anti-infection; NF-κB; 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^[1].

REFERENCES

- [1]. Da Hye Kwon, et al. Nargenicin A1 attenuates lipopolysaccharide-induced inflammatory and oxidative response by blocking the NF-κB 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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