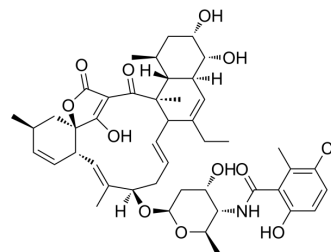


Wychimicin C

Cat. No.:	HY-N10560
Molecular Formula:	C ₄₆ H ₅₈ ClNO ₁₁
Molecular Weight:	836.41
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Wychimicin C is a spirotetrone polyketide, can be isolated from the rare actinomycete *Actinocrispum wychmicini* strain MI503-AF4. Wychimicin C shows strong antibacterial activity against methicillin-resistant *Staphylococcus aureus* (IC₅₀ = 0.125-0.5 µg/mL) and *Enterococcus faecalis/faecium* (IC₅₀ = 0.125-0.25 µg/mL)^{[1][2]}.

REFERENCES

- [1]. Kimura T, et al. Wychimicins, a new class of spirotetrone polyketides from *Actinocrispum wychmicini* MI503-A4. *J Antibiot (Tokyo)*. 2022 Oct;75(10):535-541.
- [2]. Hatano M, et al. *Actinocrispum wychmicini* gen. nov., sp. nov., a novel member of the family Pseudonocardaceae, isolated from soil. *Int J Syst Evol Microbiol*. 2016 Nov;66(11):4779-4784.

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

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