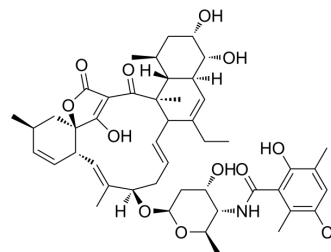


Wychimicin A

| | |
|--------------------|---|
| Cat. No.: | HY-N10561 |
| Molecular Formula: | C ₄₇ H ₆₀ ClNO ₁₁ |
| Molecular Weight: | 850.43 |
| Target: | Bacterial |
| Pathway: | Anti-infection |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

Description

Wychimicin A is a spirotetronate polyketide, can be isolated from the rare actinomycete *Actinocrispum wychmicini* strain MI503-AF4. Wychimicin A 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 spirotetronate 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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