

Friulimicin D

Cat. No.:	HY-P3511
CAS No.:	302327-42-0
Molecular Formula:	C ₆₀ H ₉₆ N ₁₄ O ₁₉
Molecular Weight:	1317.49
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Friulimicin D, a lipopeptide antibiotic, like Friulimicin B, is isolated from the actinomycete <i>Actinoplanes friuliensis</i> ^[1] .
In Vitro	Friulimicin B can inhibit the growth of <i>S. simulans</i> 22 and <i>Bacillus subtilis</i> 168 at a concentration of 0.078 µg/ml in the presence of calcium (50 µg/ml) and inhibit cell wall biosynthesis through complex formation with bactoprenol phosphate ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. C Müller, et al. Sequencing and analysis of the biosynthetic gene cluster of the lipopeptide antibiotic Friulimicin in *Actinoplanes friuliensis*. *Antimicrob Agents Chemother.* 2007 Mar;51(3):1028-37.

[2]. T Schneider, et al. The lipopeptide antibiotic Friulimicin B inhibits cell wall biosynthesis through complex formation with bactoprenol phosphate. *Antimicrob Agents Chemother.* 2009 Apr;53(4):1610-8.

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

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