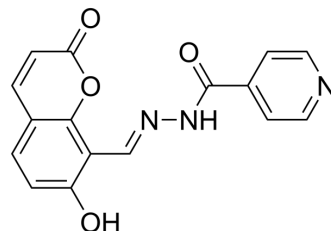


Antibacterial agent 200

Cat. No.:	HY-161364
Molecular Formula:	C ₁₆ H ₁₁ N ₃ O ₄
Molecular Weight:	309.28
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Antibacterial agent 200 (pyridyl HH 7), a unique hydrazyl hydroxycoumarin (HH), has strong antibacterial efficacy and broad antibacterial spectrum with MIC values ranging from 0.5 to 32 µg/mL for Gram-positive and Gram-negative bacteria. Antibacterial agent 200 exhibits a good inhibition against *Pseudomonas aeruginosa* 27853 with a low MIC value of 0.5 µg/mL. Antibacterial agent 200 can eradicate the integrity of bacterial membrane, result in the leakage of intracellular proteins, and interact with bacterial DNA gyrase via non-covalent binding^[1].

REFERENCES

[1]. Jiang-Sheng Zhao, et al. Hydrazyl hydroxycoumarins as new potential conquerors towards *Pseudomonas aeruginosa*. *Bioorg Med Chem Lett*. 2024 May 1:103:129709.

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

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