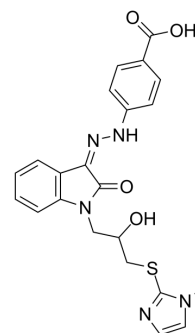


Antibacterial agent 110

Cat. No.:	HY-147866
Molecular Formula:	C ₂₂ H ₂₁ N ₅ O ₄ S
Molecular Weight:	451.5
Target:	Bacterial; DNA/RNA Synthesis; ROS
Pathway:	Anti-infection; Cell Cycle/DNA Damage; Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Antibacterial agent 110 (Compound 4e) is a potent antibacterial agent with a MIC value of 1 µg/mL against *P. aeruginosa*. Antibacterial agent 110 possesses favorable antibiofilm activity and can destroy cell membranes. Antibacterial agent 110 causes metabolic arrest and intracellular oxidative stress, and obstructs DNA replication^[1].

REFERENCES

[1]. Li FF, et al. Discovery of novel phenylhydrazone-based oxindole-thiazoles as potent antibacterial agents toward *Pseudomonas aeruginosa*. *Eur J Med Chem.* 2022 Jun 9;239:114521.

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

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