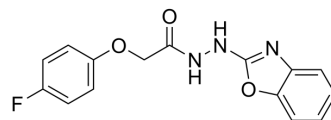


Antibiofilm agent-6

Cat. No.:	HY-163481
Molecular Formula:	C ₁₅ H ₁₂ FN ₃ O ₃
Molecular Weight:	301.27
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Antibiofilm agent-6 (Compound 26c) is a quorum sensing inhibitor with strong antibiofilm effects that can inhibit the fluorescence intensity of PAO1-lasB-gfp and PAO1-pqsA-gfp in a concentration-dependent manner. Antibiofilm agent-6 can inhibit the production of pyocyanin and rhamnolipid. Antibiofilm agent-6 aids helps ciprofloxacin (HY-B0356) effectively eliminate the living bacteria in a mouse model infected with *P. aeruginosa* PAO1^[1].

REFERENCES

[1]. Zhang P, et al. Design, Synthesis, and Biological Evaluation of 2-Phenoxyalkylhydrazide Benzoxazole Derivatives as Quorum Sensing Inhibitors with Strong Antibiofilm Effect. *J Med Chem.* 2024;67(7):5721-5743.

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

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