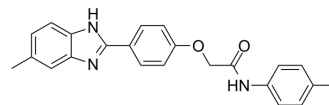


LasR-IN-1

Cat. No.:	HY-151160
Molecular Formula:	C ₂₃ H ₂₁ N ₃ O ₂
Molecular Weight:	371.43
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	LasR-IN-1 (compound 9g) is a potent LasR inhibitor. LasR-IN-1 has good efficacy toward E. coli. LasR-IN-1 shows anti-bacterial activity, with a MIC of 28.13 μM against P. aeruginosa ^[1] .
In Vitro	LasR-IN-1 (compound 9g) inhibits the biofilm formation by over than 60.00% ^[1] . LasR-IN-1 inhibits the pyocyanin production by over than 60.00% ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Abd El-Aleam RH, et al. Design and synthesis of novel benzimidazole derivatives as potential Pseudomonas aeruginosa anti-biofilm agents inhibiting LasR: Evidence from comprehensive molecular dynamics simulation and in vitro investigation. Eur J Med Chem. 2022 Aug 5;241:114629.

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

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