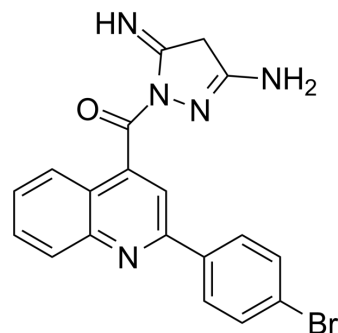


DNA Gyrase-IN-8

Cat. No.:	HY-149294
CAS No.:	2925308-76-3
Molecular Formula:	C ₁₉ H ₁₄ BrN ₅ O
Molecular Weight:	408.25
Target:	DNA/RNA Synthesis; Bacterial
Pathway:	Cell Cycle/DNA Damage; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	DNA Gyrase-IN-8 is a potent DNA gyrase inhibitor with an IC ₅₀ value of 8.45 μM. DNA Gyrase-IN-8 shows antimicrobial activity [1].
IC₅₀ & Target	IC ₅₀ : 8.45 μM (DNA gyrase) ^[1]
In Vitro	DNA Gyrase-IN-8 (compound 10) shows antimicrobial activity with MIC values of 191.36, 191.36 μM for <i>S. aureus</i> (ATCC 6538-P), <i>C. albicans</i> (ATCC 10231), respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Abd El-Lateef HM, et al. Design and Synthesis of 2-(4-Bromophenyl)Quinoline-4-Carbohydrazide Derivatives via Molecular Hybridization as Novel Microbial DNA-Gyrase Inhibitors. ACS Omega. 2023 May 11;8(20):17948-17965.

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

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