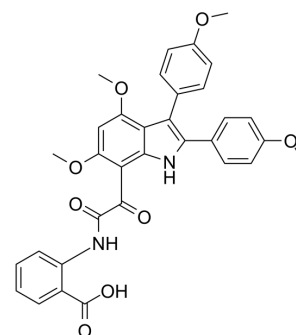


Antibacterial agent 81

Cat. No.:	HY-143292
CAS No.:	2873395-27-6
Molecular Formula:	C ₃₃ H ₂₈ N ₂ O ₈
Molecular Weight:	580.58
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Antibacterial agent 81 is a DNA transcription inhibitor. Antibacterial agent 81 inhibits <i>S. aureus</i> USA300 and <i>M. smegmatis</i> ATCC14468 with MIC values of 12.5 and 7.8 μ M, respectively. Antibacterial agent 81 can be used for the research of infection [1].
In Vitro	Antibacterial agent 81 (20 μ M; 15 min) inhibits DNA transcription with a 73% inhibition rate ^[1] . Antibacterial agent 81 (0-50 mM; 16-24 h) shows antibacterial activity towards <i>S. aureus</i> USA300, <i>M. smegmatis</i> ATCC14468, <i>E. coli</i> BW25113 and <i>E. coli</i> BW25113 Δ TolC with MIC values of 12.5, 7.8, \geq 250, and \geq 250 μ M, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Wenholz DS, et al. Inhibitors of bacterial RNA polymerase transcription complex. *Bioorg Chem.* 2022 Jan;118:105481.

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

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