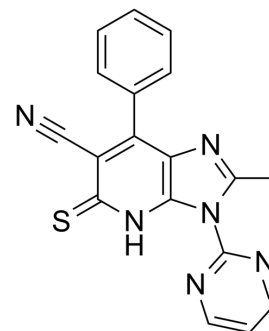


Antibacterial agent 111

Cat. No.:	HY-147878
CAS No.:	2448358-84-5
Molecular Formula:	C ₁₈ H ₁₂ N ₆ S
Molecular Weight:	344.39
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Antibacterial agent 111 (Compound 3) is an antibacterial agent with MIC values of 3.90 µg/mL and 0.49 µg/mL against <i>B. cereus</i> and <i>K. pneumonia</i> , respectively. Antibacterial agent 111 firmly binds with tyrosyl-tRNA synthetase residues ^[1] .
In Vitro	Antibacterial agent 111 (Compound 3) inhibits fungal strains with MIC values of both 250 µg/mL against <i>A. flavus</i> and <i>A. ochraceus</i> ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Othman IMM, et al. Design, synthesis ADMET and molecular docking of new imidazo[4,5-b]pyridine-5-thione derivatives as potential tyrosyl-tRNA synthetase inhibitors. *Bioorg Chem.* 2020 Sep;102:104105.

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

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