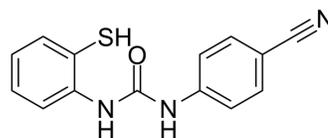


Antimicrobial agent-3

Cat. No.:	HY-147876
CAS No.:	1902712-34-8
Molecular Formula:	C ₁₄ H ₁₁ N ₃ OS
Molecular Weight:	269.32
Target:	Bacterial; Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Antimicrobial agent-3 (Compound U10) is an antimicrobial agent against bacterial, fungal and tubercular infections ^[1] .
In Vitro	Antimicrobial agent-3 (Compound U10) shows antimicrobial activities with MIC values of 8, 16, 16, 128, 2, 32 and 12.5 µg/mL against <i>S. aureus</i> ATCC 29213, <i>MRSA</i> ATCC 43300, <i>E. faecalis</i> ATCC 29212, <i>E. coli</i> ATCC 25922, <i>P. aeruginosa</i> ATCC 27853, <i>C. albicans</i> ATCC 90028 and <i>M. tuberculosis</i> H37Rv, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Gündüz MG, et al. 1,3-Disubstituted urea derivatives: Synthesis, antimicrobial activity evaluation and in silico studies. *Bioorg Chem.* 2020 Sep;102:104104.

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

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