



2-Octylcyclopentanone Inhibits Beta Lactam Resistant Diabetic Wound Pathogens

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Highlights

- 2-octylcyclopentanone showed broad spectrum antimicrobial activities, particularly on the beta lactams resistant pathogens.
- The activity was microbicidal based on low minimal lethality concentration recorded, particularly on the MRSA, *Pseudomonas aeruginosa* and *Candida utilis*.
- During kill curve analysis, the inhibitory activity of the 2-octylcyclopentanone was concentration and time-dependent. 99.9% of reduction of bacterial growth was observed.

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