Cite this as: Wen-dong WANG, Nan-nan ZHANG, Warren CHANDA, Min LIU, Syed Riaz ud DIN, Yun-peng DIAO, Lei LIU, Jing CAO, Xiao-li WANG, Xing-yun LI, An-hong NING, Min HUANG, Min-tao ZHONG, 2018. Antibacterial and anti-biofilm activity of the lipid extract from *Mantidis ootheca* on *Pseudomonas aeruginosa*. *Journal of Zhejiang University-Science B (Biomedicine & Biotechnology)*,19(5):364-371.
https://doi.org/10.1631/jzus.B1700356

Antibacterial and anti-biofilm activity of the lipid extract from *Mantidis ootheca* on *Pseudomonas aeruginosa*

Key words: Antibacterial, Lipid extract, *Mantidis ootheca*, *Pseudomonas aeruginosa*

Research Summary

This article focuses on the chemical composition, antibacterial activity, and anti-biofilm activity of the lipid extract from *Mantidis ootheca*

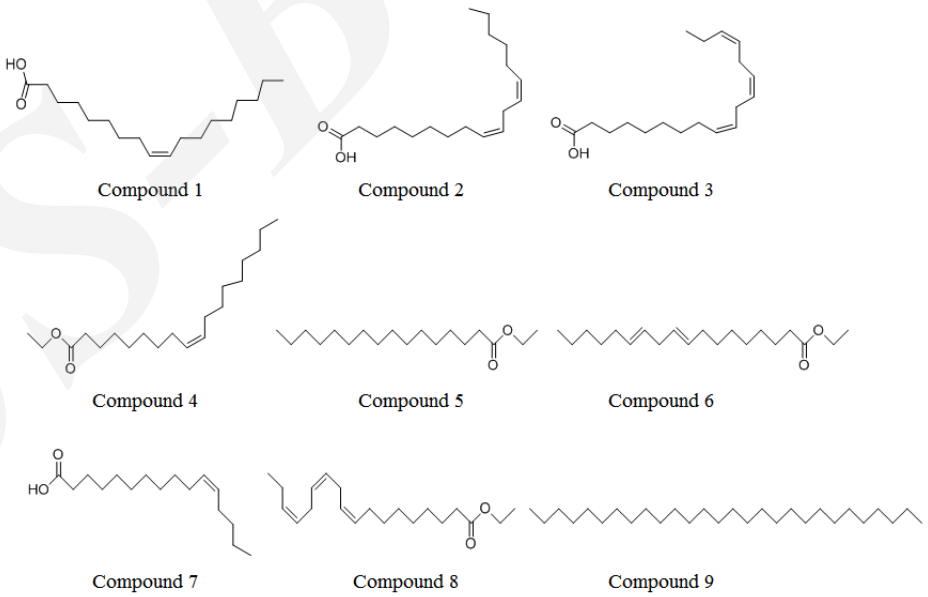
- **Study the antibacterial effect of *Mantidis ootheca* on *Pseudomonas aeruginosa***

Innovation points

- **Introduction** of the ***Mantidis ootheca*** from historical origin to current application status.

- **Summary** of the extraction method of the lipid extract from ***Mantidis ootheca,*** and specific ingredients and proportions of the lipid extract.

- **Emphasis** of the antibacterial and anti-biofilm activity of the lipid extract from ***Mantidis ootheca*** on ***Pseudomonas aeruginosa***.



Innovation points

A generated table to present analytical results of chemical constituents of the lipid extract from *Mantidis*.

Table 1 | Analytical results of chemical constituents of the lipid extract from Mantidis ootheca by GC/MS.

JZUS-B