

## CHAPTER V

### CONCLUSION

*Micromonospora* strains distributed widely in soils of terrestrial and marine sources in Thailand. Primary screening of antibiotics activity of them, found to be active against *S. aureus* ATCC 25923, *B. subtilis* ATCC 6633, and *E. coli* ATCC 25922. In addition, the ethyl acetate extract of fermentation broth of the selected strains was active against *Staphylococcus epidermidis* PCU, *Enterococcus faecalis* ATCC 25912, *Pseudomonas aeruginosa* ATCC 27853, *Salmonella typhi*, and *Alcaligenes* sp. PCU. An isoflavone compound was isolated from fermentation broth of *Micromonospora* sp. JSM 5-1, and was identified as genistein (JM-1).

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