



CHAPTER V

CONCLUSION AND RECOMMENDATION

Eupatorium adenophorum Spreng. has been used in traditional medicine of some oriental cultures. Previous phytochemical studies have reported that it contains many compounds such as stigmasterol, lupeol, epifriedelinol, cadiene, etc. (9-12). In this investigation, a new skeleton of sesquiterpenoids was discovered in petroleum ether extract from its whole plant, named "Eupatorenone". Moreover, the phytosterol, β -sitosterol, and an unidentified triterpenoid were also isolated. Various spectroscopic techniques were employed for elucidating the structures of the two compounds.

This work has offered some knowledge in expanding chemotaxonomic information, phytochemical notifications and biological evaluations.