

## CHAPTER V

### CONCLUSION AND RECOMMENDATION

*Myriopteron extensum* Schum. is one of medicinal plants used in Thai traditional medicine which has not been formerly reported on phytochemical study. The present investigation on the stem of this species has suggested the presence of a known flavonoid compound named "lupinifolin", an isoprenylated flavanone previously isolated from a member of the Leguminosae, *Tephrosia lupinifolia* Benth. The identification of the compound was based on the data from various spectroscopic techniques and confirmed by comparison with the published values in the literature.

In addition to the isolation of lupinifolin which is a major component in the chloroform portion, the determination of free sugars in the aqueous portion had been made. The result indicated that sucrose was a major principle which provided a sweet taste to the plant.

This work has offered some knowledge in expanding chemotaxonomic information and phytochemical notification. Further studies on other constituents of the plant and on biological activities of the isolated compound are recommended.