

## CHAPTER V

### CONCLUSION

*Atherolepis pierrei* Cost. var. *glabra* Kerr is one of medicinal plants used in Thai traditional medicine which has not been previously reported on phytochemical study. In the present investigation, five compounds were isolated from the roots of this plant. The first isolate is a long chain hydrocarbon, namely heptatriacontane (AP-1). The second compound is 2-hydroxy-4-methoxy benzaldehyde (AP-6), a known aromatic aldehyde previously isolated from various genera of the Asclepiadaceae. The other compounds are triterpenoids; namely lupeol acetate (AP-3),  $\alpha$ -amyirin acetate (AP-4), and  $\beta$ -amyirin acetate (AP-2 which is a mixture of  $\alpha$ - and  $\beta$ - amyirin acetate). The identification of the isolated compounds was based on the physical and spectroscopic properties and further confirmed by comparison with the published values in the literature.

This work has offered some knowledge in expanding chemotaxonomic and phytochemical information.