

## CHAPTER V

### CONCLUSION

The investigation of alkaloids from roots and leaves of *Alangium salviifolium* Wang. subsp. *hexapetalum* Wang. collected in Thailand revealed the isolation of 4 alkaloids from the roots and a mixture of two alkaloids from the leaves. Analyses various spectroscopic data together with reference to available literature, the alkaloids from the roots were identified as psychotrine, emetine, demethylpsychotrine and tubulosine whereas the mixture of alkaloids from the leaves were identified as alangimarckine and its 1'-dehydroderivative, dehydroalangimarckine. These two compounds could be clearly differentiated in their  $^{13}\text{C}$  NMR spectra.

Since the alkaloid dehydroalangimarckine has never been reported previously, further purification in order to establish the complete characterization of this alkaloid need to be carried on.