

CHAPTER V



CONCLUSION AND RECOMMENDATION

In this present work, flindersine, a pyranoquinolone alkaloid was isolated from the leaves of *Micromelum minutum* Seem. as the major alkaloid together with at least seven minor alkaloids when examined on thin layer chromatography. The alkaloid content was about 0.01% of dried leaves. It is the first known alkaloid of this genus and seems likely to be chemotaxonomically valuable.

Further work is recommended for finding out of its therapeutic action(s) especially on antitumour activity since the crude extract of a flindersine bearing plant has shown the activity against PS 388 mouse lymphocytic leukemia (Bowen and Lewis, 1978). Investigation at the enzyme level, isolation of the minor alkaloids and phytochemical studies of the other parts of this plant are also recommended.

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