

CHAPTER V

Conclusion

In this phytochemical study, four flavonoids were isolated. The first compound was isolated from the stem bark of *Fissistigma polyanthoides* (DC.) Merr., and was identified as 5,8-dihydroxy-6,7-dimethoxyflavone (FP-1). The other three compounds are new flavonoids isolated from the leaves of *Ochna integerrima* (Lour.) Merr.. They were identified as 6- γ,γ -dimethylallyl taxifolin 7-*O*- β -D-glucoside (OC-1), 2'',3''-dihydro-ochnaflavone (OC-2) and 2'',3''-dihydroochnaflavone 7''-*O*-methyl ether (OC-3). In addition, the structure of ALK1, an alkaloid previously isolated from *F. polyanthoides*, was revised as 2,3,9-trimethoxy-4,10-dihydroxy-tetrahydroprotoberberine (thaipetaline). All of the flavonoids isolated in this investigation showed no tyrosinase inhibitory activity.

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