

## Flavanones from the flower of *Macaranga triloba*

### ABSTRACT

*Macaranga triloba* belongs to the family of Euphorbiaceae. Investigation on the dichloromethane extract of flower of *Macaranga triloba* collected at Hulu Terengganu, Malaysia has yielded four flavanone compounds known as 6-prenyl-3 $\alpha$ -methoxy-eriodictyol (1), nymphaeol-B (2), nymphaeol-C (3) and 6-farnesyl-3 $\alpha$ ,4 $\alpha$ ,5,7-tetrahydroxyflavanone (4). The structures of these compounds were elucidated based on spectroscopic methods including nuclear magnetic resonance (NMR-1D and 2D), UV, IR as well as mass spectrometry. This is the first report of 6-prenyl-3 $\alpha$ -methoxy-eriodictyol(1) and 6-farnesyl-3 $\alpha$ ,4 $\alpha$ ,5,7-tetrahydroxyflavanone (4) from the genus of *Macaranga*.

**Keyword:** Euphorbiaceae; *Macaranga*; Flavonoids; Prenyl; Geranyl; Farnesyl; NMR