



Short Note

5,9,11-Trihydroxy-2,2-dimethyl-10-(3'-methyl-2'-butenyl)-3-(2"-methyl-3"-butenyl)pyrano[2,3-a]xanthen-12(2H)-one from the Stem Bark of *Calophyllum pseudomole*

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Abstract: 5,9,11-Trihydroxy-2,2-dimethyl-10-(3'-methyl-2'-butenyl)-3-(2"-methyl-3"-butenyl)-pyrano[2,3-a]xanthen-12(2*H*)-one (1) was isolated from the stem bark of *Calophyllum pseudomole*. The structure of 1 was established by spectroscopic analysis which included UV, IR, HRESIMS and NMR experiments.

Keywords: 5,9,11-trihydroxy-2,2-dimethyl-10-(3'-methyl-2'-butenyl)-3-(2"-methyl-3"butenyl)-pyrano[2,3-a]xanthen-12(2*H*)-one; xanthone; *Calophyllum pseudomole*

1. Introduction

The *Calophyllum* genus (Clusiaceae) comprises more than 180 species found mainly in Southeast Asia. This genus has been shown to produce a number of secondary metabolites, particularly xanthones [1–3], coumarins [4–6], chromanone acids [7–9], and flavonoids [10]. In Indonesia, the local name of *Calophyllum* is 'bitangor' [11].

Herein, we report the isolation and structural elucidation of a new isoprenylated xanthone, 5,9,11-trihydroxy-2,2-dimethyl-10-(3'-methyl-2'-butenyl)-3-(2"-methyl-3"-butenyl)-pyrano[2,3-a]xanthen-12(2H)-one (1) (Figure 1) from the stem bark of *Calophyllum pseudomole* as well as its antioxidant activity.

Figure 1. Structures of 5,9,11-trihydroxy-2,2-dimethyl-10-(3'-methyl-2'-butenyl)-3-(2"-methyl-3"-butenyl)pyrano[2,3-a]xanthen-12(2*H*)-one (1).