

BALANOKARPOL AND AMPELOPSIN H, TWO OLIGOESVERATROLS FROM STEM BARK OF *Hopea odorata* (DIPTEROCARPACEAE)

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Two oligoesveratrol, namely balanokarpol (1) and ampelopsin H (2) had been isolated from the steam bark of *Hopea odorata* (Dipterocarpaceae). The structure of this compound were elucidated based on physical and spectroscopic data (MS, ^1H and ^{13}C NMR 1D and 2D). The activity of these compounds was evaluated against the 2-deoxyribose degradation induced by the hydroxyl radical generated via a Fenton-type reaction. The result of this study showed that activity each compounds as radical hydroxyl scavenger of balanokarpol, and ampelopsin H with an IC_{50} 1802,3 and 4840,0 $\mu\text{g/ml}$. respectively. Each compound showed low activity. Vitamin C (IC_{50} 83,9 $\mu\text{g/ml}$) and butylated hydroxyl toluene (1328,0 $\mu\text{g/ml}$) used as positif control. These results suggest that oligoesveratrols from stem bark of *H. odorata* may be useful as potential sources of natural antioxidants.

Keyword: balanokarpol; ampelopsin H; antioxidant; dipterocarpaceae

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