

## DPPH Free Radical Scavenger Components from the Fruits of *Alpinia rafflesiana* Wall. ex. Bak. (Zingiberaceae)

Habsah Mohamad<sup>a</sup>, Faridah Abas<sup>a</sup>, Dharma Permana<sup>a</sup>, Nordin H. Lajis<sup>a,\*</sup>, Abdul Manaf Ali<sup>b</sup>, Mohd Aspollah Sukari<sup>c</sup>, Taufiq Y. Y. Hin<sup>c</sup>, Hiroe Kikuzaki<sup>d</sup>, and Nobuji Nakatani<sup>d</sup>

- <sup>a</sup> Laboratory of Natural Products, Institute of Bioscience, University Putra Malaysia, 43400 Serdang, Selangor, Malaysia. Fax: +60 3 89468080. E-mail: nhlajis@ibs.upm.edu.my  
<sup>b</sup> Department of Biotechnology, University Putra Malaysia, 43400 Serdang, Selangor, Malaysia  
<sup>c</sup> Department of Chemistry, University Putra Malaysia, 43400 Serdang, Selangor, Malaysia  
<sup>d</sup> Food Chemistry, Graduate School of Human Life Science, Osaka City University, 3-3-138, Sugimoto, Sumiyoshi, Osaka, Japan

\* Author for correspondence and reprint requests

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The methanol extract of the dried ripe fruits of *Alpinia rafflesiana* was investigated for its DPPH free radical scavenger constituents. 2',3',4',6'-Tetrahydrochalcone (**7**), which has never been isolated from natural sources was found to be most active as a DPPH free radical scavenger with the IC<sub>50</sub> value of 55  $\mu$ M. Other known compounds isolated from this species include 5,6-dehydrokawain (**1**), flavokawin B (**2**), 1,7-diphenyl-5-hydroxy-6-hepten-3-one (**3**), (–)-pinocembrin (**4**), cardamonin (**5**) and (–)-pinostrobin (**6**). The DPPH free radical scavenger compounds were detected using TLC autographic analysis. The percentage inhibition of DPPH free radical scavenging activity was measured on isolates (**5–7**) using colorimetric analysis.

*Key words:* *Alpinia rafflesiana*, Free Radical Scavenger Activity, 2',3',4',6'-Tetrahydrochalcone