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เรื่อง

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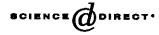
Bioactive substances from seeds and flowers of Garcinia dulcis

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Available online at www.sciencedirect.com



PHYTOCHEMISTRY

Phytochemistry 67 (2006) 464-469

www.elsevier.com/locate/phytochem

Phenolic compounds from the flowers of Garcinia dulcis

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Received 7 July 2005; received in revised form 14 September 2005

Available online 1 December 2005

Abstract

Dulcisxanthones C-F (1-4) and dulcinone (5) together with 22 known compounds were isolated from the flowers of *Garcinia dulcis*. Their structures were determined by spectroscopic methods. The abilities of some of these compounds to act as radical scavengers and antibacterial agents were investigated.

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Keywords: Garcinia dulcis; Guttiferae; Xanthones; Chromones; Radical scavenging; Antibacterial

Chemical Constituents Isolated from the Seeds of Garcinia dulcis and Inhibition of Lipoprotein Oxidation by Morelloflavone and Camboginol

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Abstract

Dulcisxanthone H, together with fourteen known compounds were isolated from the seeds of Garcinia dulcis. Their structures were determined by analysis of 1D and 2D NMR spectroscopic data. These compounds showed weak antibacterial activity. Morelloflavone and camboginol exhibited stronger antioxidation activity in low-density lipoprotein (LDL) assays than did the well known antioxidants α -tocopherol (vitamin E) and BHT.

Key words

Garcinia dulcis; Guttiferae; xanthones; antioxidant; LDL oxidation; antibacterial