

A new furanoxanthone from *Garcinia mangostana*

ABSTRACT

Our phytochemical study on the stem bark of *Garcinia mangostana* has led to the discovery of a new furanoxanthone, mangaxanthone A (1), together with five known analogs. The five known analogs that were isolated are α -mangostin (2), β -mangostin (3), cowagarcinone B (4), and dulcisxanthone F (5). The structural elucidations of these compounds were carried out by interpreting their spectroscopic data, mainly 1D and 2D NMR spectra and MS.

Keyword: Guttiferae; *Garcinia mangostana*; Xanthones; Furanoxanthone