

XANTHONES FROM ROOT BARKS OF *GARCINIA MANGOSTANA*

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ABSTRACT

XANTHONES FROM ROOT BARKS OF *GARCINIA MANGOSTANA*

Garcinia mangostana is a tropical tree from Southeast Asia and its root barks is a well-known traditional medicine. Extraction and isolation were carried out by chromatographic and spectroscopic technique respectively. A hexane extract of *Garcinia mangostana* root barks shows abundant of xanthenes compounds and two xanthenes that being identified and elucidated their structure were α -mangostin (27) and mangostanol (36). Their structures were elucidated on the basis of IR, UV, NMR and MS spectroscopic data, in addition to comparison with literature data.