

XANTHONES FROM PERICARP OF *GARCINIA MANGOSTANA L.*

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ABSTRACT

XANTHONES FROM PERICARP OF *GARCINIA MANGOSTANA L.*

The research was conducted on pericarp of *G. mangostana L.* which belong to the family Clusiaceae, this species is abundant and usually found in the region of Southeast Asia and its parts of tree is well-known use as traditional medicine. The genus of this species contains many of medicinal benefit such as anti-cancer, antimicrobial and anti-inflammatory. Extraction and isolation were carried and successfully by using chromatographic and spectroscopic technique respectively. A hexane extract of *G. mangostana* from pericarp contains many of xanthenes compounds and two xanthenes had being identified and elucidated their structure, it is a α -mangostin (16) and β -mangostin (17). These compound were elucidated on the basis of IR, UV and NMR spectroscopic data, and eluviation data with previous work.