

Xanthenes and Xanthone Derivatives from *Garcinia nitida*

ABSTRACT

A detailed chemical study on the stem bark extracts of *Garcinia nitida* has led to the isolation of five xanthenes and two triterpenoids. They are 1,3,7-trihydroxy-2,4-bis(3-menthylbut-2-enyl)xanthone (1) osajaxanthone, (2) inophylin B, (3) 3-isomangostin, (4) rubraxanthone, (5) stigmasterol and stigmasterol acetate. The structures of these compounds were established using mainly 1D and 2D NMR spectroscopy. Acetylation of rubraxanthone resulted in two new compounds, rubraxanthone monoacetate (6) and rubraxanthone diacetate (7) with rubraxanthone triacetate (8).

Keyword: *Garcinia nitida*, guttiferae, xanthenes, triterpenoids