

Benzophenone constituents from the roots of *Garcinia eugenifolia*

ABSTRACT

Our recent phytochemical investigation on the roots of *Garcinia eugenifolia* gave a new benzophenone, (3,4-dihydroxyphenyl)(3-hydroxy-5-methoxyphenyl) methanone (1), one other benzo-phenone, (3-hydroxy-phenyl)3,4,5-trihydroxyphenyl methanone (2), together with four triterpenoids, magniferolic acid (3), euphadienol (4), sitosterol (5) and friedelin (6) as well as two xanthenes, 5,9-dihydroxy-8-methoxy-2,2-dimethyl-7-(3-methylbut-2-enyl)pyrano[3,2-b]xanthen-6(2H)-one (7) and 1,3,6,8-tetrahydroxanthone (8). The structures of these compounds were fully characterised by NMR spectroscopic analysis.

Keyword: Benzophenone; *Garcinia eugenifolia*; Triterpenoid; Xanthone