

Chemical Investigations of *Feronia Limonia*(L.) Swingle (Thee) Bark

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Abstract

This research is concerned with the chemical investigations of *feronia limonia* (L.) Swingle (Thee) bark. Four crude extracts of *Feronia limonia* (L.) Swingle (Thee) bark were prepared by successive extraction of plant material with petroleum ether, follow by chloroform, ethyl acetate and finally with ethanol. By column chromatographic separation using silica gel in the solvent system of pet ether-ethyl acetate, two coumarins compounds were isolated from chloroform extract of *feronia limonia* (Thee) bark. These were Compound 1 (Bergapten) (0.0008% yield, mp.188-189°C) and Compound 2 (marmesin) (0.0022% yield, mp. 160-163°C).These compounds have been identified by spectroscopic measurement (UV, FT-IR,¹H NMR and ¹³C NMR).

Key words: *Feronia limonia* (L.) Swingle, bergapten, marmesin.

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