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Revised structure of Neoflavone in *Coutarea hexandra*.

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From the genus *Coutarea*, several neoflavone have been isolated. In a previous paper, a new neoflavone from *C. hexandra* JACQ. was reported and its structure was deduced to be 5,2',5'-trihydroxy-7-methoxyneoflavone, based on spectral elucidation. Our current study on the spectral properties on neoflavones shows that the neoflavones oxygenated at C-2' have a characteristic MS fragments. These fragments were not observed in our synthetical naturally occurring neoflavone. By direct comparison (co-TLC, ¹H NMR and mmp) of the neoflavone isolated from *C. hexandra* with the synthetics (5,2',5'-trihydroxy-7-methoxy-, 5,3',4'-trihydroxy-7-methoxyneoflavone etc.), its structure was revised and proved to be 5,3',4'-trihydroxy-7-methoxyneoflavone.

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Two New Flavones in *Citrus reticulata*.

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To compare the difference of constituents in the pericarp and in the leaf of *Citrus* species, polyoxygenated flavones were examined using the leaves of *Citrus reticulata* BLANCO (Rutaceae). Besides eight known polyoxygenated flavones (5-hydroxy-6,7,8,3',4'-pentamethoxy-, 5,6,7,8,3',4'-hexamethoxy-, 5,6,7,8,4'-pentamethoxy-, 5,6,7,3',4'-pentamethoxy-, 5,7,4'-trimethoxy-, 5,7,3',4'-tetramethoxy-, 5,7,8,4'-tetramethoxy- and 5,7,8,3',4'-pentamethoxyflavone), two new flavones (7-hydroxy-5,6,3',4'-tetramethoxy- and 3'-hydroxy-5,6,7,8,4'-pentamethoxyflavone) were isolated. The structures were elucidated by the spectroscopic methods and confirmed by the total syntheses.

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The Main Original Plant of the Traditional Chinese Drug Mainbeixian.

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The main original plant of the traditional Chinese drug Mianbeixian has been considered as *Dioscorea septemloba* THUNM. for a long time. Based on morphological, light microscopical, scanning electron microscopical, chromatographical and ultra-violet spectroscopical examinations and in comparison with the Japanese material, the Chinese one is proposed as a new species *Dioscorea spongiosa* J. Q. XI, M. MIZUNO et W. L. ZHAO.