

[Chem. Pharm. Bull., 44, 232-234 (1996)]

[Lab. of Pharmacognosy]

**Three New Xanthenes from the Bark of *Garcinia dioica*.**

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Three new xanthenes were isolated from the bark of *Garcinia dioica* in addition to known xanthone, rubraxanthone. The structures of the three xanthenes were elucidated to be 1,3,6-trihydroxy-8-(7-hydroxy-3,7-dimethyl-2,5-octadienyl)-7-methoxyxanthone, 1,3,6-trihydroxy-8-(6,7-epoxy-3,7-dimethyl-2-octenyl)-7-methoxy-7-methoxyxanthone and 1,3,7-trihydroxy-2,4-diisoprenylxanthone by the aid of spectroscopic analysis including the 2D NMR technique. The occurrence of xanthone with such a C<sub>10</sub> alkyl chain is rare in naturally occurring compounds.

[Phytochemistry, 41, 545-547 (1996)]

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**Two *p*-coumaroyl Glycerides from *Juncus effusus*.**

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From the medullae of *Juncus effusus*, 13 compounds were isolated: a (2*S*)-2,3-isopropylidene-1-*O-p*-coumaroyl glyceride (juncusyl ester A), 2-*O-p*-coumaroyl glyceride (juncusyl ester B), (2*S*)-1-*O-p*-coumaroyl glyceride, 6 $\alpha$ -spinasterol,  $\beta$ -sitosterol,  $\beta$ -sitostery- $\beta$ -D-glucoside, effusol, *p*-coumaric acid, isosutellarein pentamethyl ether, nobiletin, quercetin, rutinose and vanillic acid. Juncusyl esters A and B are new compounds.

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[Lab. of Pharmacognosy]

**Antibacterial Activity of Some *Garcinia* Benzophenone Derivatives  
against Methicillin-Resistant *Staphylococcus aureus*.**

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Benzophenone derivatives, garcinol and isogarcinol isolated from the pericarps of *Garcinia purpurea*, and xanthocymol and a mixture of isoxanthocymol, cyclocanthocymol from the pericarps of *G. subelliptica* were evaluated for their antibacterial activity against methicillin-resistant *Staphylococcus aureus*. Among them, xanthocymol showed the lowest minimum inhibitory concentration at 3.1-12.5  $\mu$ g/ml. This concentration is nearly equal to that of the antibiotic, vancomycin.