Isoflavonoids and flavone glycosides from rhizomes of Iris carthaliniae

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Abstract:

Two new isoflavonoid biosides, tectorigenin 4′-glucosyl (1→6)glucoside and iristectorigenin B 7-glucosyl (1→6)glucoside, a new isoflavonoid monoside, 4′-methyltectorigenin 7-glucoside and a new flavone glucoside, 6,4′-dimethoxy-5-hydroxyflavone 7-glucoside, together with tectoridin and tectorigenin 4′-glucoside were isolated from rhizomes of Iris carthaliniae. The structures of the isolated compounds were determined by NMR spectral analysis.

Keywords:

Iris carthaliniae; Iridaceae; Isofavonoid and flavone glycosides, Tectorigenin-4′ and iristectorigenin B1→6)glucoside; 6,4′-dimethoxy-5-hydroxyflavone 7-glucoside

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