



A New Isoflavone from *Blepharis ciliaris* of an Egyptian Origin

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Abstract:

A phytochemical study of the aerial parts of *Blepharis ciliaris* (L.) B.L. Burtt. led to the isolation of one new isoflavone glycoside caffeic acid ester: genistein-7-O-(6"-O-E-caffeoyl- β -D-glucopyranoside) (4), along with seven known compounds: methyl veratrate (1), methyl vanillate (2), protocatechuic acid (3), naringenin-7-O-(3"-acetyl-6"-E-p-coumaroyl- β -D-glucopyranoside) (5), naringenin-7-O-(6"-E-p-coumaroyl- β -D-glucopyranoside) (6), apigenin-7-O-(6"-E-p-coumaroyl- β -D-glucopyranoside) (7), and acteoside (8). Their structures were established on the basis of detailed analyses of physical, chemical, and spectral data. Compounds 1, 2, 3, 6, and 8 were isolated for the first time from this plant. The antioxidant activity of the different extracts as well as for some of the isolated compounds was evaluated.

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