

Antimicrobial Activity of *Gentiana lutea* L. Extracts

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Methanolic extracts of flowers and leaves of *Gentiana lutea* L., together with the isolated compounds mangiferin, isogentisin and gentiopicrodin, were used to investigate the antimicrobial activity of the plant. A variety of Gram-positive and Gram-negative bacteria as well as the yeast *Candida albicans* has been included in this study. Both extracts and isolated compounds showed antimicrobial activity with MIC values ranging from 0.12–0.31 mg/ml. Our study indicated that the synergistic activity of the pure compounds may be responsible for the good antimicrobial effect of the extracts. Quantification of the secondary metabolites was performed using HPLC.

Key words: *Gentiana lutea*, Antimicrobial Activity, Gentiopicrodin