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Antimicrobial activity of ethyl acetate extract and essential oil from bark of *Laurelia
sempervirens* against multiresistant bacteria

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Abstract

Laurelia sempervirens (R. et P.) Tul., is an evergreen tree that grows in southern Chile, its leaves and bark are used in folk medicine as an infusion. Objective: The antimicrobial activities of the essential oil and ethyl acetate extract obtained from the bark of *Laurelia sempervirens* were investigated. Materials and methods: Ethyl acetate extract and essential oil were analyzed by GC-mass and the antimicrobial activity was investigated against gram positive and gram negative bacteria. Results: The extract and essential oil showed a strong antimicrobial activity against bacteria such as *Acinetobacter baumannii*, a relevant world nosocomial pathogen. Discussion and conclusion: These findings demonstrate that the ethyl acetate extract and essential oil of *L.sempervirens* bark have excellent antimicrobial activities and thus have great potential as a source for natural health products.

Keywords

Laurelia sempervirens, inhibitory activity, bacteria.

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