



Antimicrobial Activity of the Crude Ethanol Extract and Fractions from *Eugenia uniflora* Leaves Against *Pseudomonas aeruginosa*

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SUMMARY. This study evaluated the antimicrobial activity of the crude ethanol extract and fractions from *Eugenia uniflora* L. leaves against *Pseudomonas aeruginosa*. A total of 72 *P. aeruginosa* isolated from patients of three hospitals in Goiânia and 8 standard strains were selected to test antimicrobial activity. The bacteria susceptibility profile against 15 antimicrobial agents was determined using the disc diffusion method. The minimum inhibitory concentration of the crude ethanol extract and the ethyl acetate, chloroform and hexane fractions was determined. Most of the *P. aeruginosa* analyzed proved resistant to a number of antimicrobial substances and their sensitivity varied from 81.9% sensitivity to meropenem to 0.0% sensitivity to cefotaxim. All the *P. aeruginosa* were inhibited by the crude extract and by the ethyl acetate fraction. Only 11.25% of the bacteria analyzed were inhibited by the chloroform fraction (8.75 mg/mL MIC). The hexane fraction presented no activity.

KEY WORDS: Antimicrobial activity, Bacterial resistance, Ethanol extract

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