

Effect of Triterpenoids and Limonoids Isolated from *Cabralea canjerana* and *Carapa guianensis* (Meliaceae) against *Spodoptera frugiperda* (J. E. Smith)

André L. F. Sarria, Márcio S. Soares, Andréia P. Matos, João B. Fernandes, Paulo C. Vieira*, and M. Fátima das G. F. da Silva

Departamento de Química, Universidade Federal de São Carlos, Rodovia Washington Luiz, km 235, CP 676, 13565-905 – São Carlos – SP, Brazil. Fax: +55 16 33 51 83 50.
E-mail: paulo@dq.ufscar.br

* Author for correspondence and reprint requests

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The activities of two triterpenoids, ocotillone and cabraleadiol, and four limonoids, methyl angolensate, 3- -deacetylfissinolide, 7-deacetoxy-7-oxogedunin, and -photogedunin, isolated from arillus of *Carapa guianensis* and fruits and seeds of *Cabralea canjerana* (Meliaceae), were evaluated against the fall armyworm *Spodoptera frugiperda*. Gedunin was used as a positive control. 7-Deacetoxy-7-oxogedunin and -photogedunin reduced the pupal weight as occurred with gedunin. Cabraleadiol, 3- -deacetylfissinolide, and 7-deacetoxy-7-oxogedunin prolonged the larval phase similar to the control (gedunin) of approximately 1.2 days at 50.0 mg kg⁻¹. The highest insecticidal activity was obtained for -photogedunin.

Key words: *Spodoptera frugiperda*, Limonoids, Triterpenoids