

A New Flavonol Glycoside Derivative from Leaves of *Moldenhawera nutans*

Ademir E. do Vale^a, Jorge M. David^a, Hugo N. Brandão^b, and Juceni P. David^{b,*}

^a Instituto de Química, Universidade Federal da Bahia, 40170-290 Salvador, BA, Brazil

^b Faculdade de Farmácia, Universidade Federal da Bahia, 40170-290 Salvador, BA, Brazil.

Fax: +55--71-235 51 66. E-mail: juceni@ufba.br

* Author for correspondence and reprint requests

Z. Naturforsch. **60c**, 45–49 (2005); received June 18/September 27, 2004

The ethyl acetate extract of leaves of *Moldenhawera nutans* Queiroz & Alkin (Leguminosae) furnished, besides methyl gallate and gallic acid, the flavonols named laricetrin, laricetrin 3-glucoside and laricetrin 3-galactoside as well as the new one named laricetrin 5-galloyl-3- β -D-xylopyranoside. It also was isolated from the hexane extract: β -sitosterol, lupenone, β -amyrinone, α -amyrinone, lupeol, β -amyrin, α -amyrin and α -tocopherol. The antioxidant activities of flavonoids were measured through DPPH radical scavenging and inhibition of auto-oxidation of β -carotene methods. The structures of the compounds were determined by analyses of spectral data. This is the first report dealing with phytochemical studies of leaves of *M. nutans*. In addition this current work describes the unequivocal attribution of ¹H NMR and ¹³C NMR data of laricetrin.

Key words: *Moldenhawera nutans*, Antioxidant Activities, Flavonol Glycosides