

Anti-inflammatory, antioxidant and anti-*Mycobacterium tuberculosis* activity of viridiflorol: the major constituent of *Allophylus edulis* (A. St.-Hil., A. Juss. & Cambess.) Radlk

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PII: S0378-8741(16)30588-8
DOI: <http://dx.doi.org/10.1016/j.jep.2016.08.053>
Reference: JEP10400

To appear in: *Journal of Ethnopharmacology*

Received date: 3 June 2016
Revised date: 11 August 2016
Accepted date: 29 August 2016

Cite this article as: Lucas Fatori Noboru Trevizan, Kamilla Felipe do Nascimento, Joyce Alencar Santos, Candida Aparecida Leite Kassuya, Claudia Andrea Lima Cardoso, Maria do Carmo Vieira, Flora Martinez Figueira Moreira, Julio Croda and Anelise Samara Nazari Formagio, Anti-inflammatory antioxidant and anti-*Mycobacterium tuberculosis* activity of viridiflorol: the major constituent of *Allophylus edulis* (A. St.-Hil., A. Juss. & Cambess.) Radlk *Journal of Ethnopharmacology*, <http://dx.doi.org/10.1016/j.jep.2016.08.053>

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ABSTRACT

Ethnopharmacological relevance: The leaves of *Allophylus edulis* (A. St.-Hil., A. Juss. & Cambess.) Radlk. (Sapindaceae) are traditionally used as a natural anti-inflammatory agent; however, there are no scientific studies demonstrating its activity essential oil. The content of essential oil in *A. edulis* may be the chemical basis to explain its ethnobotanical uses, since infusions of this plant are used to treat inflammation in the traditional medicine in Brazil.

Aim of the study: This study evaluated the anti-inflammatory, antioxidant and anti-mycobacterial activities of the essential oil (EOAE) and viridiflorol, its main compound.

Material and methods: Essential oil from fresh leaves of *A. edulis* (EOAE) was obtained by hydrodistillation in a Clevenger-type apparatus. Forty-one compounds, accounting

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