Phytochemical and Antiulcerogenic Properties of Rhizomes from *Simaba ferruginea* St. Hill. (Simaroubaceae)

Vânia Floriani Noldina, Domingos Tabajara de Oliveira Martinsb, César Marcos Marcellob, Joaquim Corsinoda Silva Lima, Franco Delle Monache, and Valdir Cechinel Filhoa,*

a Programa de Mestrado em Ciências Farmacêuticas e Núcleo de Investigações Químico-Farmacêuticas (NIQFAR), Universidade do Vale do Itajaí (UNIVALI), Itajaí, 88302-202, Santa Catarina, Brazil. Fax +473417601. E-mail: cechinel@univali.br

b Área de Farmacologia, Departamento de Ciências Básicas em Saúde, Faculdade de Ciências Médicas, Universidade Federal de Mato Grosso, 78060-900, Cuiabá, Mato Grosso, Brazil

c Centro Chimica Recettori, Istituto di Chimica, Universitita Cattolica del Sacro Cuore, Rome, Italy

* Author for correspondence and reprint requests

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*Simaba ferruginea* (Simaroubaceae) is a Brazilian medicinal plant used in traditional medicine to treat several ailments, including gastric ulcers, fever, diarrhea, and dolorous and inflammatory processes. This study examines the chemical composition and antiulcerogenic effects of rhizomes from this plant. Bioassay-guided fractionation led to the isolation of two bioactive indole alkaloids called canthin-6-one (1) and 4-methoxycanthin-6-one (2). The alkaloid fraction and both alkaloids demonstrated potent antiulcerogenic effects when evaluated in gastric lesion-induced animals, as well as significant antinociceptive activity in mice. These results confirm and justify the popular use of *S. ferruginea* against gastric ulcers and dolorous processes.

Key words: *Simaba ferruginea*, Antiulcerogenic Effect, Antinociceptive Effect, Alkaloids