## **Evaluation of Antinociceptive and Anti-Inflammatory Activities** of a New Triterpene Saponin from Bauhinia variegata Leaves

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\* Author for correspondence and reprint requests Z. Naturforsch. **64 c**, 798–808 (2009); received August 13, 2007/July 22, 2009 A new triterpene saponin, named as 23-hydroxy-3 -[O- -L-¹C<sub>4</sub>-rhamnopyranosyl-(1" \dagged 4')-O- -L- ${}^{4}C_{1}$ -arabinopyranosyl-oxylolean-12-en-28-oic acid O- -L- ${}^{1}C_{4}$ -rhamnopyranosyl- $(1^{""} \downarrow 4^{""})$ -O- -D- $^4$ C<sub>1</sub>-glucopyranosyl- $(1^{""} \downarrow 6^{""})$ -O- -D- $^4$ C<sub>1</sub>-glucopyranosyl ester (9), was isolated from the leaves of Bauhinia variegata Linn. In addition, six flavonoid compounds along with two cinnamic acid derivatives were isolated and identified based on their chro-

matographic properties, and chemical and spectral data (ESI-high resolution-MS<sup>n</sup>, <sup>1</sup>H NMR,  $^{13}$ C NMR,  $^{1}$ H- $^{1}$ H COSY, HSQC, and HMBC). Compound 9 was found to be nontoxic (LD<sub>50</sub>) and to have significant anti-inflammatory and antinociceptive activities. It also showed a slight antischistosomal activity. Key words: Bauhinia variegata, Triterpene Saponin, Anti-Inflammatory Activity