



Anti-Inflammatory Activity of Leaves of *Michelia champaca* Investigated on Acute Inflammation Induced Rats

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SUMMARY. Natural products play a significant role in human health in relation to the prevention and treatment of inflammation conditions. Although not fully understood, several action mechanisms are proposed to explain *in vivo* inflammatory action. The aim of this study was to assay different extracts from leaves of *Michelia champaca* (Magnoliaceae) on carrageenan induced inflammation rat model. The results were analyzed by One Way Analysis of Variance (ANOVA). The ethanolic extract (200 mg/kg) was found to be highly significant ($p < 0.0001$) with maximum inhibition (60.99 %) at 3 h against to positive control group. The findings conclude that *M. champaca* leaves extract exhibits an anti-inflammatory activity in pro-inflammatory conditions.

KEY WORDS: Anti-inflammatory effect, *Michelia champaca*, Rat.

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