

PP-47 Anti-Inflammatory Activity of *Luffa cylindrica*

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Abstract: Current study was designed to explore the anti-inflammatory effects of the crude hexane and ethanol extracts of the leaves and male flowers of *Luffa cylindrica* (L.) Roem., (sponge gourds) in order to validate its folk use. These extracts produced significant anti-inflammatory effect (p.o.) at doses of 500, 750 and 1000 mg /kg b.w., in carageenin – induced paw edema in rats with compared to those obtained with indomethacin. The results of the present study provide evidence for the anti-inflammatory properties of the leaves and male flowers of *Luffa cylindrica*, having a potential for therapeutic applications for inflammatory diseases.

Keywords: *Luffa cylindrica*, Cucurbitaceae, anti-inflammatory, hexane extract, ethanol extract.

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