

Studies on the Antiinflammatory, Antipyretic and Analgesic Activities of Santonin

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Received July 5, 1993 Accepted October 27, 1993

ABSTRACT—Santonin, a sesquiterpene lactone, commonly found in the plants of the family *Compositae* was found to show significant antiinflammatory activity on acute inflammatory processes. The activity profile of santonin closely resembled that of a standard non-steroidal antiinflammatory drug, diclofenac sodium. It also showed a significant inhibitory effect on granuloma formation; however, this effect of santonin was less pronounced as compared to diclofenac sodium. Santonin caused a significant antipyretic effect in mice, which was found to be independent of the route of administration of the drug. It also increased the hot plate reaction time of treated mice, similar to morphine.

Keywords: Santonin, Antiinflammatory, Antipyretic, Analgesic