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## Anti-inflammatory activity of *Lavandula antineae* Maire from Algeria

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*Lavandula antineae* Maire is an endemic medicinal plant of Algeria which is traditionally used as a popular remedy against chills, bruises, edema and rheumatism<sup>1</sup>. The objective of this study is to evaluate the anti-inflammatory activity of the hydromethanolic extract of the aerial parts of *Lavandula antineae* for the first time using two models of inflammation: carrageenan-induced paw edema and ear edema induced by croton oil<sup>2,3</sup>. In the first model, the pretreatment of mice, by the plant extract, inhibited significantly the development of edema in a dose-dependent manner, with kinetics of action similar to that of aspirin (reference product) . In addition, the local application of 2 mg of extract induced a very significant reduction ( $P < 0.05$ ) of ear edema compared to the control group with a inhibition of 74.67 %. These results demonstrate that the *Lavandula antineae* Maire species has an important anti-inflammatory activity, thus justifying its folkloric use as a remedy for various inflammatory disorders.

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