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Action of the hydroethanolic extract of the flowers of *Acmella oleracea* (L.) R.K. Jansen on the reproductive performance of Wistar female rats: A popular female aphrodisiac from the Amazon

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Abstract

Ethnopharmacological relevance: The species *Acmella oleracea* (L.) R.K. Jansen (Asteraceae), popularly known as jambú, is marketed in fairs as a female aphrodisiac and has several pharmacological activities already confirmed, among them the sexual stimulant action. The objective of this study was to evaluate the effects of the oral administration of the hydroethanolic extract of *A. oleracea* flowers (EHAo) on wistar rats during the pre-mating, mating, and pre-implantation period.

Material and methods: During the treatment period, measurements of feed intake, water intake, weight, estrous cycle, behavior, reproductive parameters, biochemical parameters, hematological parameters, and histopathology of ovaries were performed daily.

Results: In the gas chromatography analysis - mass spectrometry characterization, the compound (2E, 6Z, 8E) -N-isobutyldeca-2,6,8-trienamide (spilanthol) was detected as

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