Diuretic Activity of *Artemisia annua* L. Extracts

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**SUMMARY.** Different *Artemisia annua* L. extracts were evaluated and tested in rats as diuretics and saluretics. The methanolic extract caused an increase in the urine volume and a selective saluretic effect. Basic and neutral fractions produced a significant increase of the urine volume and of its electrolytes content, while the total methanol extract show diuretic and saluretic activity, acting as potassium economizer.

**INTRODUCTION**

Synthetic drugs, used at present as diuretic agents, frequently produce several collateral effects such as, for instance, hyperglycemia 1, ototoxicity 2, and hypokalemia 3. These limitations, not yet resolved, open a perspective to the introduction of new chemical structures that may surpass, therapeutically, those existing now. On the basis of these considerations, we have decided to study some species belonging to the flora of South America in order to find new diuretic agents. We have chosen *Artemisia annua* L. as the first specie to be studied.

The genus *Artemisia* includes a great number of species 4, some of them used in traditional medicine. Sesquiterpene lactones 5,6 and other compounds as flavonoids 7, alkaloids, tannins and volatile oils 8, are found among their constituents.

*Artemisia annua* L. is a herb that belongs to the Compositae family which, originally belonging to Asia (known as Quinghao), is nowadays spread to Europe and America 9. It has been used for centuries in the traditional Chinese medicine

**KEY WORDS:** Artemisia annua, Diuretic, Potassium economizer, Saluretic.

**PALABRAS CLAVE:** Artemisia annua, Diurético, Economizador de potasio. Salurético.

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