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## Phytochemical and pharmacological studies on *Orthosiphon stamineus* Benth. (Lamiaceae) hydroalcoholic extracts.

Olah NK, Radu L, Mogoşan C, Hanganu D, Gocan S.

SC PLANTEXTRAKT SRL, 3462-Radaia, Cluj, Romania. nelolah@yahoo.com

### Abstract

The main components of *Orthosiphon stamineus* Benth. leaves and extracts are the pharmacologically active polyphenols: the polymethoxylated flavonoids and the caffeic acid derivatives. Two tinctures, having different alcohol concentration, were studied from phytochemical and pharmacological point of view. The main polyphenols were identified and quantitatively determined by HPLC. Comparison of the retention parameters and UV-Vis spectra of standards and those of the separated compounds performed the identification of caffeic-, cichoric- and rosmarinic acids, respectively, of sinesetine and eupatorine. The quantitative determination was performed by external standard method. The diuretic, saluretic and uricosuric actions of the studied tinctures were compared by experiments on rats.

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**MeSH Terms, Substances**

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