

Determination of Aucubin and Catalpol in *Plantago* Species by Micellar Electrokinetic Chromatography

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Z. Naturforsch. **59c**, 27–31 (2004); received December 13, 2002/June 11, 2003

Micellar electrokinetic chromatography (MEKC) was used for the separation and determination of two iridoid glycosides, aucubin and catalpol, in several *Plantago* species growing in Croatia: *P. altissima* L., *P. argentea* Chaix, *P. coronopus* L., *P. holosteum* Scop. (subsp. *depau-perata*, subsp. *holosteum* and subsp. *scopulorum*), *P. lagopus* L., *P. lanceolata* L., and *P. maritima* L. Hot water extraction (HWE) was applied for the isolation of iridoid substances. Significant differences appeared between the iridoid contents in the examined species. The yield of aucubin and catalpol was up to 0.27% and 1.81% of the dry mass of the leaves, respectively. Besides aucubin and catalpol, two related compounds were determined in the plant samples.

Key words: *Plantago*, Micellar Electrokinetic Chromatography, Iridoid Glycosides