

**QUANTITATIVE DETERMINATION OF MANGIFERIN IN SOME SPECIES  
OF THE GENUS *IRIS* (IRIDACEAE) OF FLORA AZERBAIJAN BY HPLC**

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**SUMMARY**

The results of the quantitative determination of xanthone mangiferin in the underground organs of *Iris medwedewii* Fomin, *I. carthaliniae* Fomin, *I. imbricata* Lindl. (Iridaceae) are presented. For the quantitative determination of mangiferin we used a modified method that was based on a preliminary separation of xanthenes by the two-dimensional paper chromatography method, elution of substances and their separation by high performance liquid chromatography (HPLC). The content of mangiferin in roots and rhizomes was 1.67 % in *Iris medwedewii*, 0.11 % in *I. carthaliniae*, 0.12 % in *I. imbricata*.

**Key words:** *Iris medwedewii*, *I. carthaliniae*, *I. imbricata*, xanthenes, mangiferin, rhizomes, HPLC.