

## FLAVONOIDS OF THE LEAVES OF *Quercus pontica*

D. N. E nukidze and I. I. Moniava

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From the total flavonoids of the leaves of *Quercus pontica* C. Koch. by chromatography on Sephadex G-75 we have isolated two individual substances: flavonoids A and B.

Flavonoid A formed light yellow acicular crystals with mp 177-178°C,  $\lambda_{\text{max}}^{\text{C}_6\text{H}_5\text{OH}}$  266 and 360 nm. On acid hydrolysis it gave kaempferol (68.5%) and D-glucose. On paper chromatograms in various solvent systems it appeared at the level of an authentic sample of astragalín. It gave no depression of the melting point with an authentic sample, and thus flavonoid A was identified as astragalín [1].

Flavonoid B formed yellow acicular crystals with mp 212-214°C,  $\lambda_{\text{max}}^{\text{C}_6\text{H}_5\text{OH}}$  255 and 362 nm. After acid hydrolysis it gave quercetin (66.5%) and D-glucose. On paper chromatograms in various systems of solvents it had the same mobility as a standard sample of isoquercitrín. It showed no depression of the melting point with an authentic sample.

The physicochemical properties of flavonoid B were identical with those of isoquercitrín [2].

This is the first time that astragalín has been found in the genus *Quercus*.

### LITERATURE CITED

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2. H. R zodkowska-Badalska, *Dissert. Pharmac. Pharmacol.* **20**, 3, 329 (1968).

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