

FLAVONOIDS OF THE FLOWERS

OF *Sonchus arvensis*

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The flowers of *Sonchus arvensis* L. (field sowthistle) collected in the flowering period in the environs of Vitebsk (1 kg) were extracted with ethanol (3×15 liters) on the boiling-water bath. The extracts were combined and evaporated under vacuum. The product obtained was treated with hot water and the solution was filtered and was extracted repeatedly with chloroform.

The combined flavonoids were separated on polyamide sorbent. Mixtures of ethanol and chloroform of various concentrations were used as eluates. This gave two substances, $C_{15}H_{10}O_6$, mp 328–330°C, and $C_{21}H_{20}O_{11} \cdot 2H_2O$, mp 266–268°C, which were identified on the basis of bathochromy and NMR spectroscopy as luteolin and luteolin 7-O-glucoside, respectively.

The results of an investigation agreed with the properties given in the literature for luteolin 7-O-β-D-glucopyranoside [1, 2].

LITERATURE CITED

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2. G. N. Zemtsova, V. A. Bandyukova, and S. F. Dzhumyrko, *Khim. Prirodn. Soedin.*, 675 (1972).

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