

E. B. Zorin, N. V. Ivashchenko,
M. E. Perel'son, V. V. Vandyshev,
and M. G. Pimenov

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In the present communication we give the results of an investigation of the coumarin composition of the roots of *Angelica komarovii* collected in different geobotanical zones: in the valley of the R. Oital close to the settlement of Aktobe (Oshsk province, KirgSSR) and in the environs of Lake Iskander-Kul' (Zaravshanskii range).

In a study of the roots collected in the valley of the R. Oital, we detected a considerable amount of coumarins consisting of a mixture of eight substances.

By extraction with ethanol and adsorption chromatography on a column of silica gel using benzene and ethyl acetate with a rising gradient of the latter as eluents, we isolated four crystalline compounds possessing the properties of coumarins: (I), $C_{19}H_{20}O_5$, mp 119-120°C; (II), $C_{14}H_{14}O_4$, mp 156-158°C; (III), $C_{14}H_{14}O_5$, mp 164-165°C; and (IV), $C_{21}H_{22}O_7$, mp 136-137°C.

On the basis of their physicochemical constants and PMR spectra, compounds (I-IV) have been identified, respectively, as zosimin, zosimol [1], vaginol [2], and ostruthol [3].

Chemical investigation with the aid of thin-layer chromatography of an ethanolic extract of the roots of *A. komarovii* collected in the environs of Lake Iskander-Kul' showed that the set of coumarins differed from that described above.

From an ethanolic extract of the roots by chromatography on silica gel using benzene as eluent we isolated four crystalline compounds, three of which possessed the properties of coumarin. Compound (I), $C_{16}H_{14}O_4$, mp 109-109.5°C; (II), $C_{24}H_{26}O_7$, mp 100-102°C; and (III), $C_{21}H_{22}O_7$, mp 136-137°C.

On the basis of their physicochemical constants, mixed melting points, and PMR spectra, compounds (I-III) were identified, respectively, as isoimperatorin [4], archangelicin [5], and ostruthol.

The fourth compound corresponded in its IR spectrum and a mixed melting point to β -sitosterol.

LITERATURE CITED

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