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ESTERS OF *Ferula akitschkensis*

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In the present communication we give the results of an investigation of esters from the roots of *Ferula akitschkensis* B. Fedisch. ex K-Pol. gathered in Mongolia. Esters of ferutinol and akichenol had previously been isolated from roots of this plant collected in the Kirghiz SSR [1, 2].

By ethanolic extraction of the raw material followed by the separation of the combined extractive substances, we obtained phenolic, acidic, and neutral fractions.

By chromatographing the phenolic fraction on a column of silica gel with elution by chloroform containing increasing concentrations of ethyl acetate we isolated five crystalline compounds: (I) - $C_{23}H_{32}O_5$, mp 130-131°C, $[\alpha]_D + 100.2^\circ$; (II) - $C_{22}H_{30}O_4$, mp 120-121°C, $[\alpha]_D + 66^\circ$; (III) - $C_{27}H_{36}O_7$, mp 66-67°C, $[\alpha]_D -45^\circ$; (IV) - $C_{27}H_{36}O_6$, mp 160-161°C, $[\alpha]_D -8.1^\circ$; and (V) - $C_{22}H_{30}O_5$, mp 53-54°C, $[\alpha]_D + 28^\circ$.

On the basis of their physicochemical constants and spectral characteristics, compounds (I-V) were identified as ferutin, ferutinol, akiferidinol, akichenol, and akiferidin, respectively [1-5].

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