

THE COUMARINS OF *Cryptodiscus didymus*

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It was earlier [1] reported that the fruit of *Cryptodiscus didymus* (Rgl) Eug. Kor. contains ten coumarins, including prangenin, isoimperatorin, oxypeucedanin, bergapten, imperatorin, and osthole.

We have investigated the fruit of plants collected in the region of Dastyr-Tau, Chimkent oblast, in the period of the ripening of the fruit. The raw material was treated with methanol, and the extract was evaporated in vacuum to small volume, diluted with water, and extracted with ether. Concentration of the ethereal extract yielded 4.28% of a syrupy mass containing a mixture of coumarins with R_f 0.95, 0.87, 0.76 (traces), 0.47, 0.40, and 0.0 [in the hexane-benzene-methanol (5:4:1) system on paper impregnated with a 10% solution of formamide in methanol]. By adsorption chromatography on neutral alumina with elution by benzene and a mixture of benzene and methanol five substances were isolated which were identified on the basis of their IR spectra, respectively, with umbelliprenin, bergapten, xanthoxol, prangenin hydrate, and isoimperatorin, and also two substances of noncoumarin nature with mp 240 and 276°C. Osthole, prangenin, oxypeucedanin, and imperatorin, found previously, were not detected.

LITERATURE CITED

1. N. F. Komissarenko, *Khim. Prirodn. Soedin.*, 177 (1969).

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