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We have studied the flavonoid composition of *Silene saxatilis* Sims. (syn. *S. ruprechtii* Schischk, family Caryophyllaceae) collected in the flowering period in the environs of Kislovodsk. When the dry epigeal part was extracted with methanol and the extract was concentrated to 1/3 of its volume and treated with chloroform, a precipitate deposited at the boundary of separation. After recrystallization from dioxane-water (1:1), flavonoid (I) was obtained, and on the basis of its physicochemical constants, the results of hydrolysis, and UV, IR, and NMR spectroscopy it was identified as apigenin 6,8-di-C-gluco-pyranoside [1].

After the separation of the crystals of substance (I) by chromatography in columns with various sorbents (hydrocellulose, polyamide), from the mother liquor we obtained another four flavonoid compounds, which were identified as vitexin, orientin [2], homoorientin [3], and apigenin.

LITERATURE CITED

1. L. Hörhammer, H. Wagner, L. Rosprim, T. Mabry, and H. Rösler, *Tetrahedron Lett.*, No. 17, 1707 (1965).
2. N. K. Vavilova and É. V. Gella, *Khim. Prirodn. Soedin.*, 151 (1973)
3. V. I. Glyzin, A. I. Ban'kovskii, O. V. Zhurba, and V. I. Sheichenko, *Khim. Prirodn. Soedin.*, 473 (1970).

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