

FLAVONOIDS OF *Linaria sessilis* AND *L. kokanica*

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Continuing a chemical study of toadflax [1], we have isolated flavonoids from the herb *Linaria sessilis* Kuprian collected in the flowering phase in 1969 in the western Pamir (Aligurskaya valley, height 4000 m) and *L. kokanica* Rgl. collected in the fruit-bearing phase in the southern foothills of the Turkestan range (region of the village of Kim).

In *L. sessilis* we found flavonoids consisting mainly of acetylpectolarin (1.26%), mp 242-244°C, with a small amount of pectolarin. In *L. kokanica*, the main component is pectolarin (1.25%), mp 276-277°C, accompanied by a small amount of acetylpectolarin.

We identified the acetylpectolarin and pectolarin from the results of IR and NMR spectroscopy, acid hydrolysis, and alkaline saponification, and also by comparison with authentic samples [1].

Each of these plants contains three minor components detected by paper chromatography of the concentrated mother solutions after the isolation of the two substances mentioned. Chromatography of these solutions on a column of polyamide with chloroform elution gave a flavone aglycone with mp 216.5-217.5°C, identified by paper chromatography, IR and NMR spectra, and a mixed melting point as pectolarigenin.

LITERATURE CITED

1. L. P. Kuptsova and A. I. Ban'kovskii, *Khim. Prirodn. Soedin.*, 128 (1970).

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