

FLAVONOLS AND PHENOLIC COMPOUNDS

OF *Sedum middendorffianum*

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We have studied the chemical composition of the epigeal part of *Sedum middendorffianum* Maxim. (Middendorff stonecrop), family Crassulaceae, collected in the flowering phase in the Khabarovsk territory and have isolated the following compounds from the ethereal and butanolic fractions of a methanolic extract: kaempferol, $C_{15}H_{10}O_6$, mp 270-274°C, R_f 0.45 (60% AcOH, FN-11 paper) (mp of the tetraacetate 182-185°C); quercetin, $C_{15}H_{10}O_7$, mp 304-308°C, R_f 0.28 (mp of the pentaacetate 193-195°C); myricetin, $C_{15}H_{10}O_8$, mp 340-347°C, R_f 0.2; gallic acid, $C_7H_6O_5$, mp 240-242°C, R_f 0.68, λ_{\max} 216, 273 nm; and arbutin, $C_{12}H_{16}O_7 \cdot 2H_2O$ with mp 193-194°C, $[\alpha]_D^{20} -44^\circ$ (c 0.9; methanol), R_f 0.81, λ_{\max} 223, 287 nm (mp of the pentaacetate 145-145.5°C).

To identify the substances we used qualitative reactions, IR, UV, and NMR spectroscopy, and a direct comparison with authentic samples.

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