FLAVONOIDS OF SOME SPECIES OF Eryngium

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We have studied the epigeal parts of Eryngium coeruleum M.B., E. macrocalyx Schrenk, and E. octo-phyllum Eug Kor., family Umbelliferae, collected in the flowering phase in the Tashkent and Syr'dar'ya oblasts.

The flavonoids were extracted with 70% ethanol from the \underline{E} , octophyllum raw material which had been deresinified with chloroform. The concentrated aqueous residue was repeatedly treated with butan-1-ol, and distillation of the extract gave a substance $C_{27}H_{80}O_{16}$ with mp 191-192°C (from water).

On the basis of the bathochromic shifts in the presence of complex-forming and ionizing additives, the IR spectra, and mixed melting points, the substance was identified with rutin.

The flavonoids were extracted with 70% ethanol from the <u>E. macrocalyx</u> raw material which had been deresinified with chloroform. The concentrated aqueous extract yielded a flavonoid with mp 221-223°C, which was identified by its IR spectrum, a mixed melting point, and the products of its hydrolysis as kaempferol 7-rhamno-3-glucoside.

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