

THE FLAVONOIDS OF *Bupleurum czimganicum*

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In an investigation of high-mountain plants by paper chromatography in the isopropanol-formic acid-water (2:5:5) system, we have found that the herb *Bupleurum czimganicum* Lincz. growing on Mt. Chimgan (1800 m above sea level) contains two flavonoids with R_f 0.20 and 0.69, while the roots contain three, with R_f 0.20, 0.32, and 0.69.

In both cases, the substance with R_f 0.69 predominates. To isolate this substance, the comminuted raw material was treated with ethanol, and the extract was concentrated, eluted with water, purified with chloroform, and evaporated. On standing, about 5% of a yellowish crystalline substance with mp 189-190°C (from methanol) deposited; it was identified by a mixed melting point and by its IR spectrum as rutin.

In a quantitative determination by the chromatospetrophotometric method, it was established that the roots of the plant contained 7.06% of rutin and the epigeal part 3.4%.

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