

The isolation of biologically active substances from propolis followed by the chemical investigation and elucidation of the interconnection between their structure and medical effect is an urgent question, particularly from the point of view of the standardization of this source of medicinal raw material [1-3]. By a method of fractional-differential extraction that we have developed, from forty European and Asian examples of propolis we have obtained the total lyophobic (ethanol-soluble) phenolic fractions.

The individual substances were isolated by preparative paper chromatography followed by purification on polyamide sorbent. Five phenolic compounds were identified: apigenin, luteolin, kaempferol, quercetin, and rhabidanol.

The substances mentioned are components of all the preparations isolated and, of course, of the initial propolis raw material.

LITERATURE CITED

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