

## CATECHINS OF GRAPE SEEDS

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By paper chromatography, in the seeds and combs of grapes of the variety Rkatsiteli we have found six catechins with  $R_f$  0.35, 0.40, 0.48, 0.57, 0.63, and 0.77 (BAW (4:12:28) system). Total amount of catechins in the grape seeds is considerably higher than in the combs. We have investigated a total preparation of the phenolic substances – the enotannin isolated from grape seeds.

By partition chromatography on Sephadexes we obtained five catechins, which were identified by their melting points, by paper chromatography in various solvent systems in parallel with authentic samples, by UV and IR spectral analyses, and by  $[\alpha]_D^{20}$  values. It was established that these catechins are (-)-epigallocatechin, (+)-gallocatechin, (-)-epicatechin, (+)-catechin and (-)-epicatechin gallate [1].

The main catechins of the seeds are (-)-epicatechin and (+)-catechin. This is the first time that the catechins mentioned have been isolated from grapes of the Rkatsiteli variety.

### LITERATURE CITED

1. M. N. Zaprometov, *The Biochemistry of the Catechins* [in Russian] (1964).

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