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CHEMICAL COMPOSITION OF ESSENTIAL OILS FROM RESIN OF *ABIES CILICICA* SUBSP. *CILICICA CONES*

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The essential oil from the resin of cones of *Abies cilicica* (Ant. Et Kotschy.) *subsp. cilicia* Carr. (Abietaceae) grown in Turkey was obtained by the hydro-distillation method, and its chemical composition was analyzed by GC and GC-MS. Seventy nine compounds, representing 97.32% of the essential oil of the resin from the cones of *A. cilicica subsp. cilicica*, were determined. The results showed that the essential oil contained about 92.78% monoterpenes, 2.7% oxygenated monoterpenes and 1.78% sesquiterpenes. Major components of the oil are as follows: α -pinene (68.19%), β -pinene (11.91%) and myrcene (8.62%).

Keywords: Essential oil, resin, *Abies cilicica*, chemical composition, GC-MS analysis