Deoxypodophyllotoxin Content and Antioxidant Activity of Aerial Parts of Anthriscus sylvestris Hoffm.

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Deoxypodophyllotoxin content of the aerial parts of Anthriscus sylvestris Hoffm. growing

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methods was observed.

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at different altitudes was evaluated in comparison to the roots. The lignan accumulation in ground parts was at least double compared to aerial ones. In addition antioxidant-guided fractionation of the crude methanol extract of aerial parts was performed with the 2,2-diphenyl-1-picrylhydrazyl (DPPH) test. Active fractions contained mainly luteolin-7-O-glucoside and chlorogenic acid. Antioxidant properties of both crude extract and isolated compounds were also investigated with the Briggs-Rauscher (BR) oscillating reaction. A satisfactory agreement between the results obtained with the two

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