Thymol Derivatives from a Root Culture of
_Inula helenium_

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A root culture of _Inula helenium_ L. was established from leaf explants of aseptic seedlings. An ethanol extract from the lyophilised roots was fractionated using different chromatographic techniques (CC, TLC). The main secondary metabolites found in the root culture were two thymol derivatives: 10-isobutyryloxy-8,9-epoxy-thymol isobutyrate (1) and 10-isobutyryloxy-6-methoxy-8,9-epoxy-thymol isobutyrate (2). The compounds were identified by spectral methods. Quantification of compound 1 in plant material was done by analytical RP-HPLC.

Key words: _Inula helenium_, Root Culture, Thymol Derivatives