

## Supplementary material

### **Labdanum resin from *Cistus ladanifer* L.: a natural and sustainable ingredient for skin care cosmetics with relevant cosmeceutical bioactivities**

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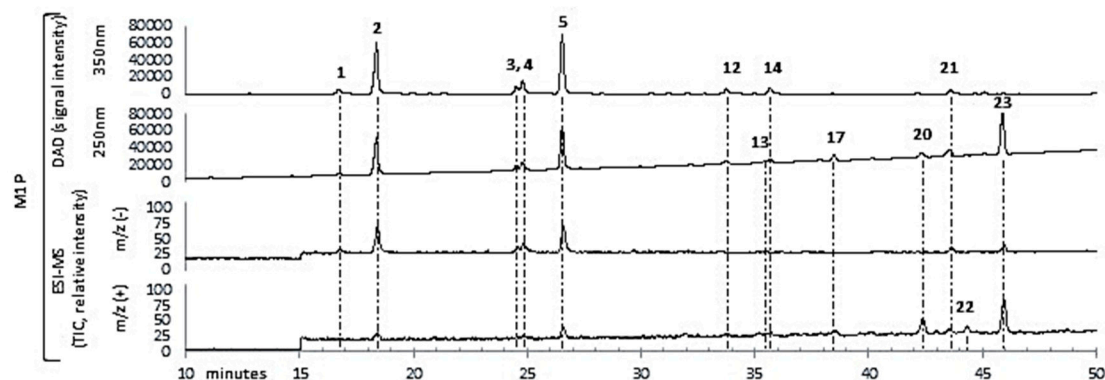
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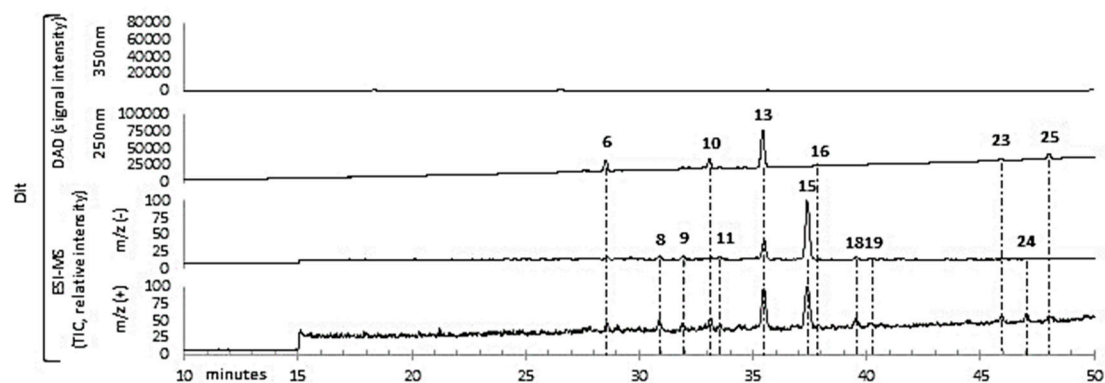
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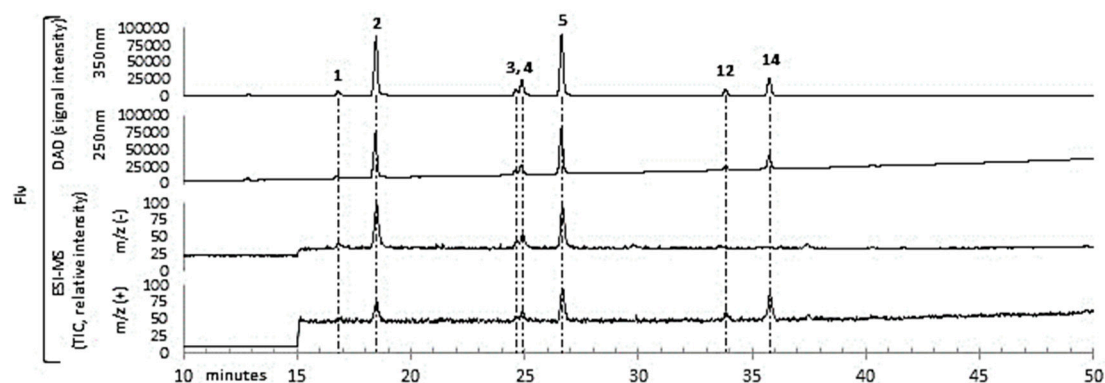
# Supplementary Figure S1



**Figure S1.1.** DAD (250 and 350 nm, absolute intensity) and MS (TIC,  $m/z^-$  and  $m/z^+$ , relative intensity) chromatograms obtained in the UPLC-DAD-ESI-MS analysis of labdanum absolute. Numbers represent a peak at a retention time as presented in Table 2.

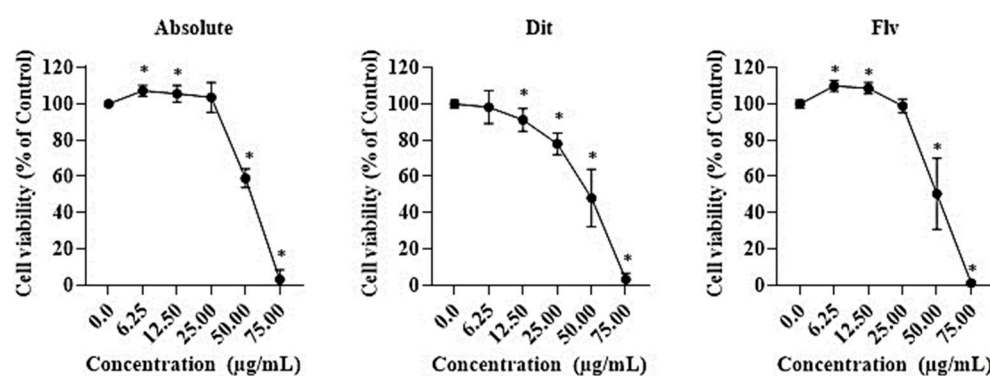


**Figure S1.2.** DAD (250 and 350 nm, absolute intensity) and MS (TIC,  $m/z^-$  and  $m/z^+$ , relative intensity) chromatograms obtained in the UPLC-DAD-ESI-MS analysis of diterpenoid fraction from labdanum absolute. Numbers represent a peak at a retention time as presented in Table 2.



**Figure S1.3.** DAD (250 and 350 nm, absolute intensity) and MS (TIC,  $m/z^-$  and  $m/z^+$ , relative intensity) chromatograms obtained in the UPLC-DAD-ESI-MS analysis of "flavonoid" fraction from labdanum absolute. Numbers represent a peak at a retention time as presented in Table 2.

## Supplementary Figure S2



**Figure S2.** RAW 264.7 (murine macrophage) cells viability, as percentage of control (cells not exposed to the compounds, denoted as 0.00  $\mu\text{g/mL}$ ), of labdanum absolute and its fractions at concentrations between 6.25 and 100  $\mu\text{g/mL}$  (mean values  $\pm$  S.D.). Symbol (\*) mean significant difference ( $\alpha = 0.05$ ) in relation to the control by the post-hoc Tuckey's test.