

Supplementary material

Labdanum Resin from *Cistus ladanifer* L. as a Source of Compounds with Anti-Diabetic, Neuroprotective and Anti-Proliferative Activity

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Contents:

Figure S1. GC-EI-MS chromatograms of the TMCS + BSTFA derivatized absolute of the labdanum resin obtained by the Andalusian process (peak numbers according to Table 2).

Figure S2. GC-EI-MS chromatograms of the TMCS + BSTFA diterpenoid fraction of the labdanum resin obtained by the Andalusian process (peak numbers according to Table 2),

Figure S3. GC-EI-MS chromatograms of the TMCS + BSTFA flavonoid fraction of the labdanum resin obtained by the Andalusian process (peak numbers according to Table 2).

Figure S4. GC-EI-MS chromatograms of the TMCS + BSTFA derivatized absolute of the labdanum resin obtained by the Zamorean process (peak numbers according to Table 2).

Figure S5. Four-parameter symmetric sigmoidal curves of HepG2 cell viability, as percentage in relation to the control (0.00 µg/mL), versus Adl labdanum absolute and fractions concentration at 24 h and 48 h incubation (regression parameters in Table S1).

Figure S6. Four-parameter symmetric sigmoidal curves of Caco-2 cell viability, as percentage in relation to the control (0.00 µg/mL), versus Adl labdanum absolute and fractions concentration at 24 h and 48 h incubation (regression parameters in Table S1).

Table S1: R-squared and Hill slope of the best fitted symmetric sigmoidal curves to the HepG2, and Caco-2 cell viability versus labdanum absolutes, and its Flv and Dit fraction, concentration data at 24 h and 48 h incubation.

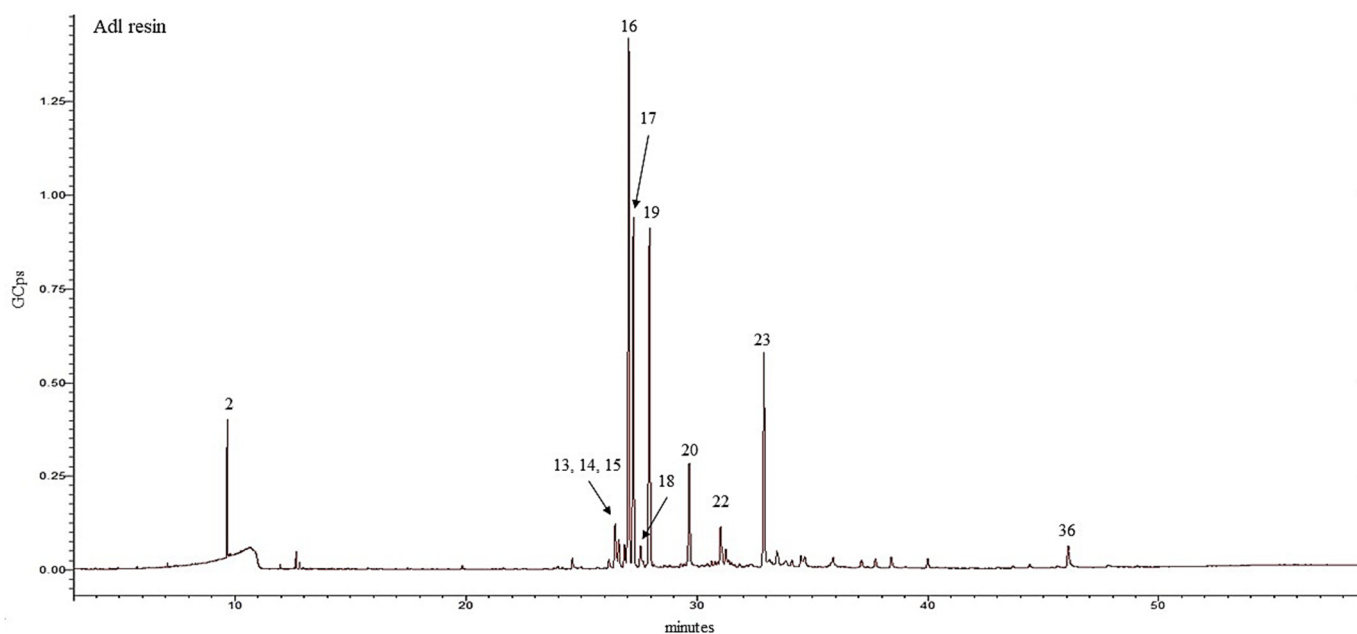


Figure S1. GC-EI-MS chromatograms of the TMCS + BSTFA derivatized absolute of the labdanum resin obtained by the Andalusian process (peak numbers according to Table 2).

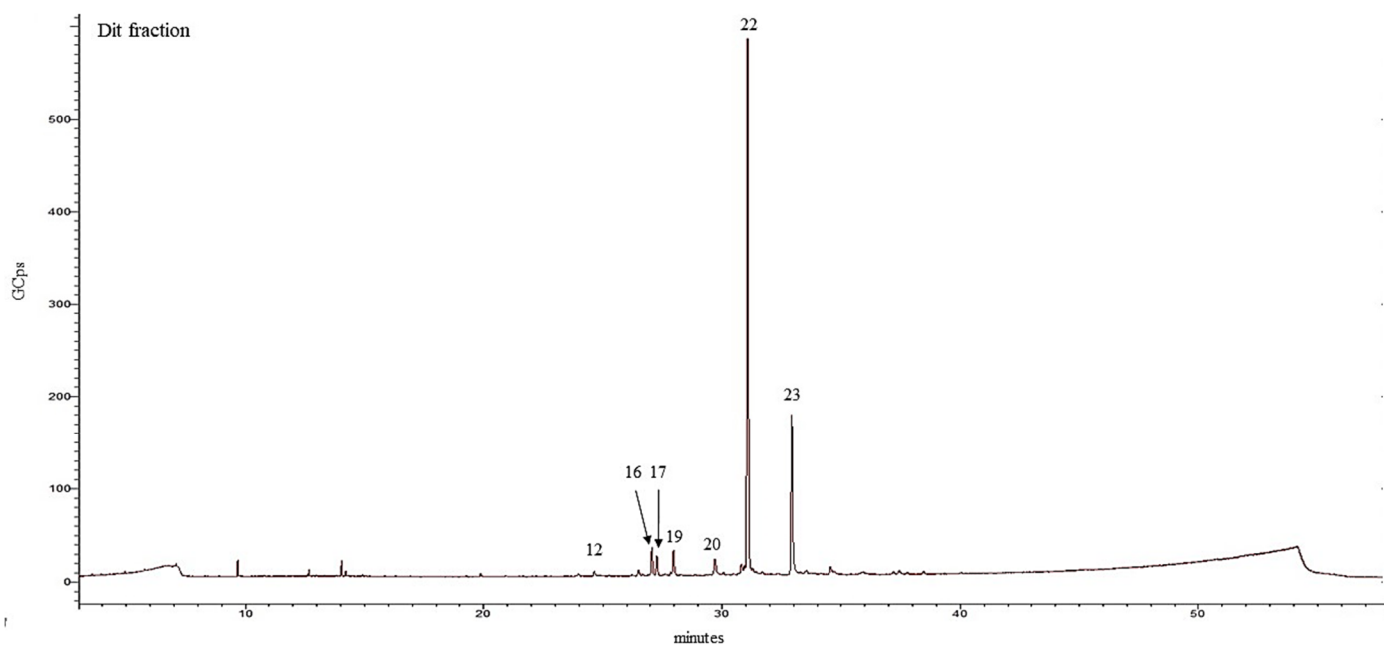


Figure S2. GC-EI-MS chromatograms of the TMCS + BSTFA diterpenoid fraction of the labdanum resin obtained by the Andalusian process (peak numbers according to Table 2).

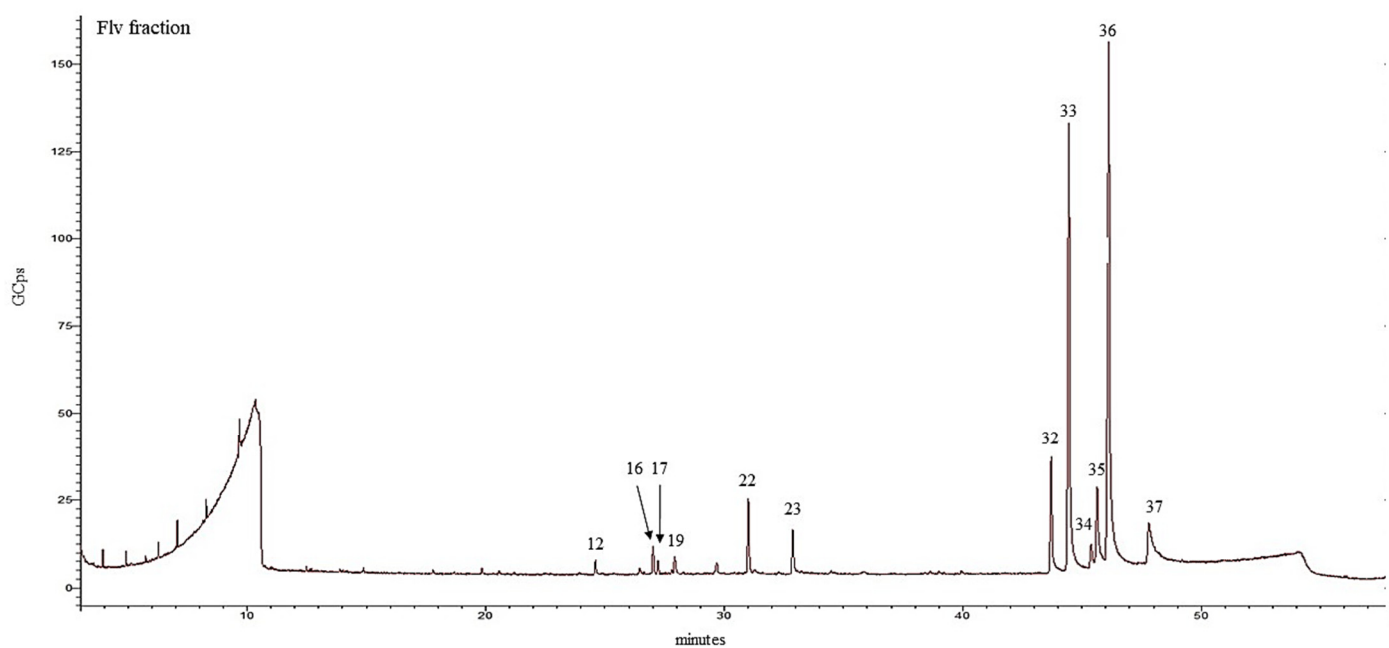


Figure S3. GC-EI-MS chromatograms of the TMCS + BSTFA flavonoid fraction of the labdanum resin obtained by the Andalusian process (peak numbers according to Table 2).

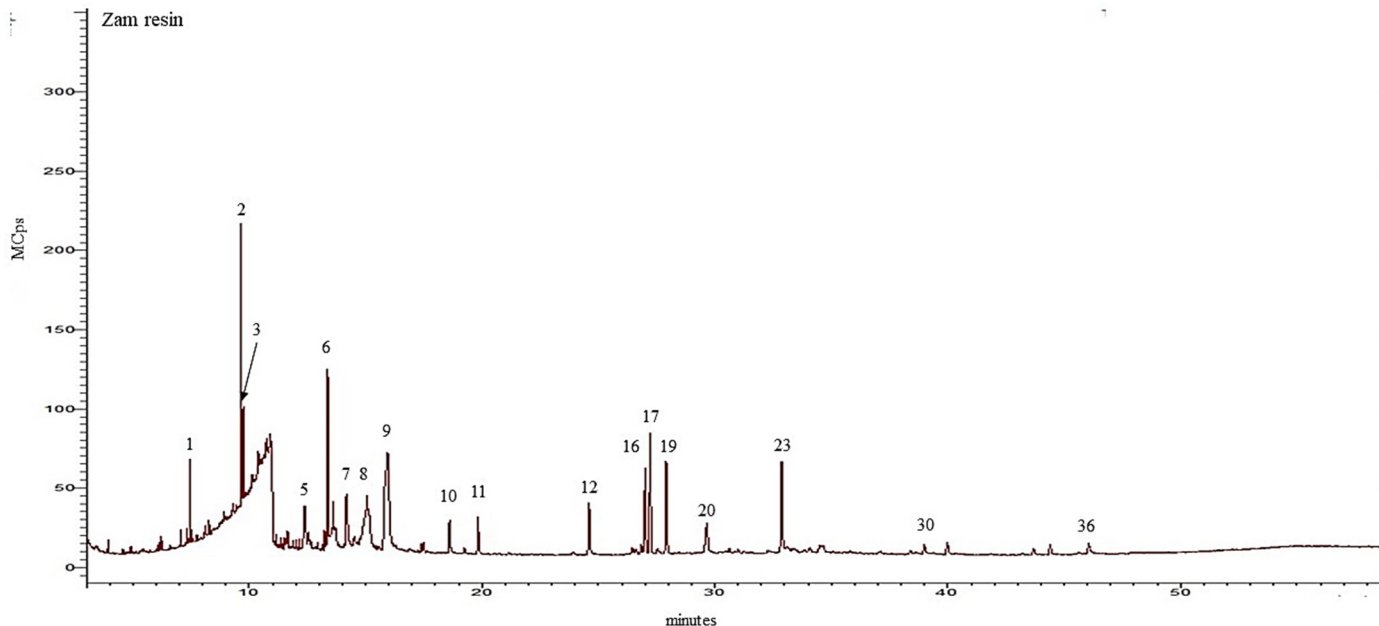


Figure S4. GC-EI-MS chromatograms of the TMCS + BSTFA derivatized absolute of the labdanum resin obtained by the Zamorean process (peak numbers according to Table 2).

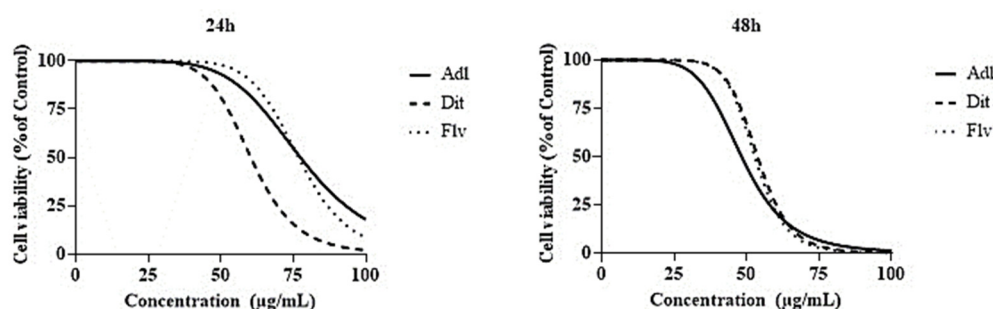


Figure S5. Four-parameter symmetric sigmoidal curves of HepG2 cell viability, as percentage in relation to the control (0.00 $\mu\text{g/mL}$), versus Adl labdanum absolute and fractions concentration at 24 h and 48 h incubation (regression parameters in Table S1).

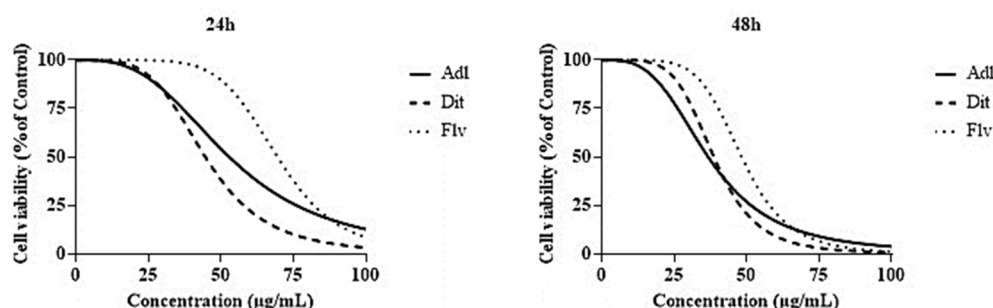


Figure S6. Four-parameter symmetric sigmoidal curves of Caco-2 cell viability, as percentage in relation to the control (0.00 $\mu\text{g/mL}$), versus Adl labdanum absolute and fractions concentration at 24 h and 48 h incubation (regression parameters in Table S1).

Table S1: R-squared and Hill slope of the best fitted symmetric sigmoidal curves to the HepG2, and Caco-2 cell viability versus labdanum absolutes, and its Flv and Dit fraction, concentration data at 24 h and 48 h incubation.

Cell	Extract	Incubation	R ²	Hill Slope
Caco-2	Adl	24 h	0.9574	-3.020 \pm 0.706
		48 h	0.9883	-3.246 \pm 0.419
	Dit	24 h	0.9464	-4.216 \pm 1.533
		48 h	0.9904	-5.223 \pm 0.849
	Flv	24 h	0.9843	-6.576 \pm 1.168
		48 h	0.9755	-6.034 \pm 2.667
HepG2	Adl	24 h	0.9335	-5.951 \pm 1.858
		48 h	0.9942	-6.001 \pm 1.221
	Dit	24 h	0.9817	-7.776 \pm 1.422
		48 h	0.9178	-9.707 \pm 8.163
	Flv	24 h	0.9465	-8.959 \pm 3.892
		48 h	0.9934	-10.110 \pm 3.440

Values presented as mean \pm standard deviation (3 independent experiments of $n = 4$). At each data point, top and bottom plateaus were set at 100 and 0%, respectively. Zam resin did not induce cell viability reduction.