

Supplementary Data

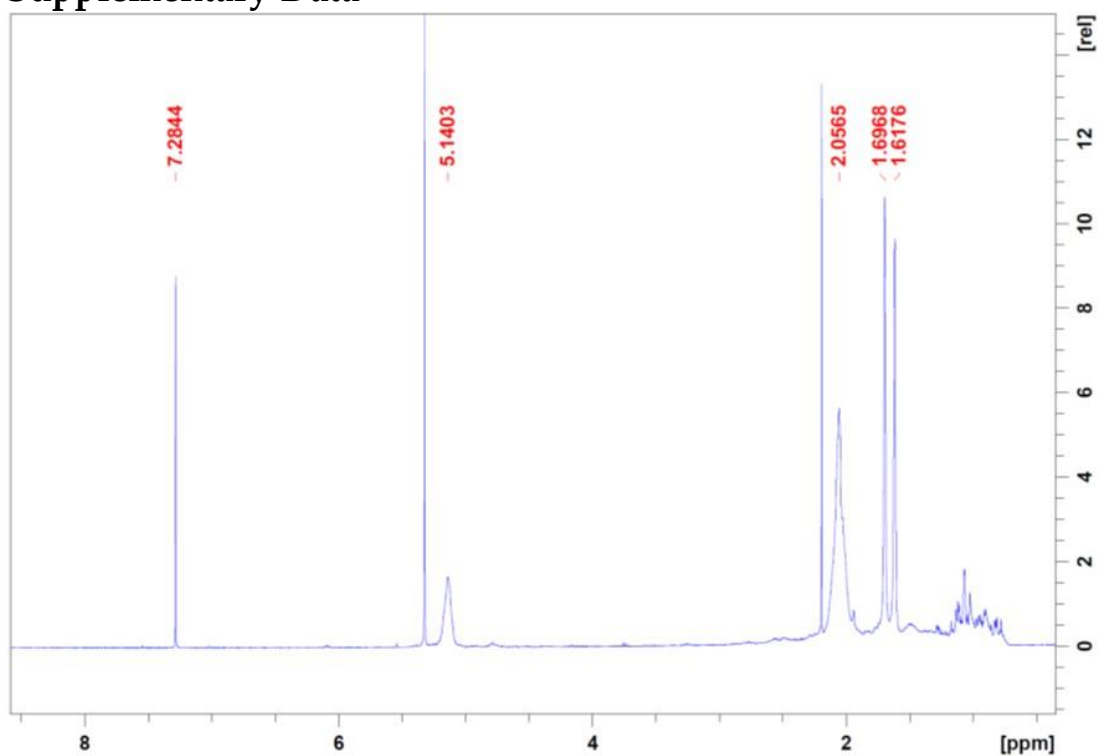


Figure S1: ^1H NMR of 1,4-poly- β -myrcene in CDCl_3 400 MHz.

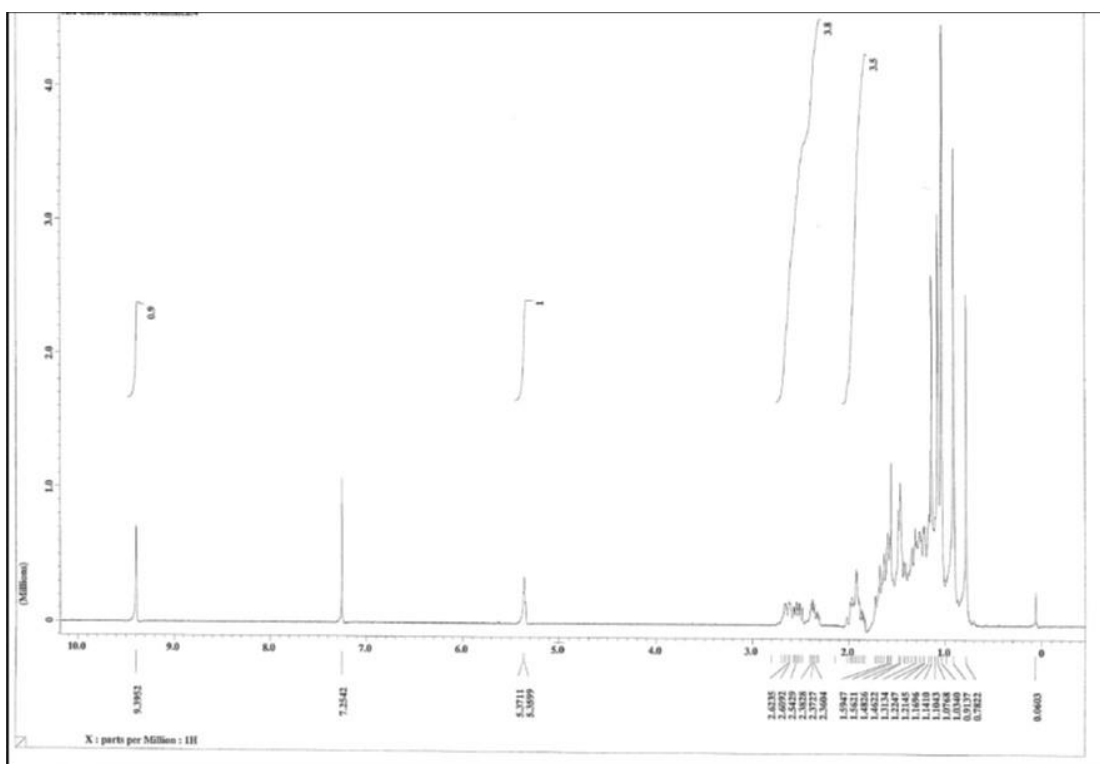


Figure S2: ^1H NMR of keto-oleanolic aldehyde in CDCl_3 400 MHz.

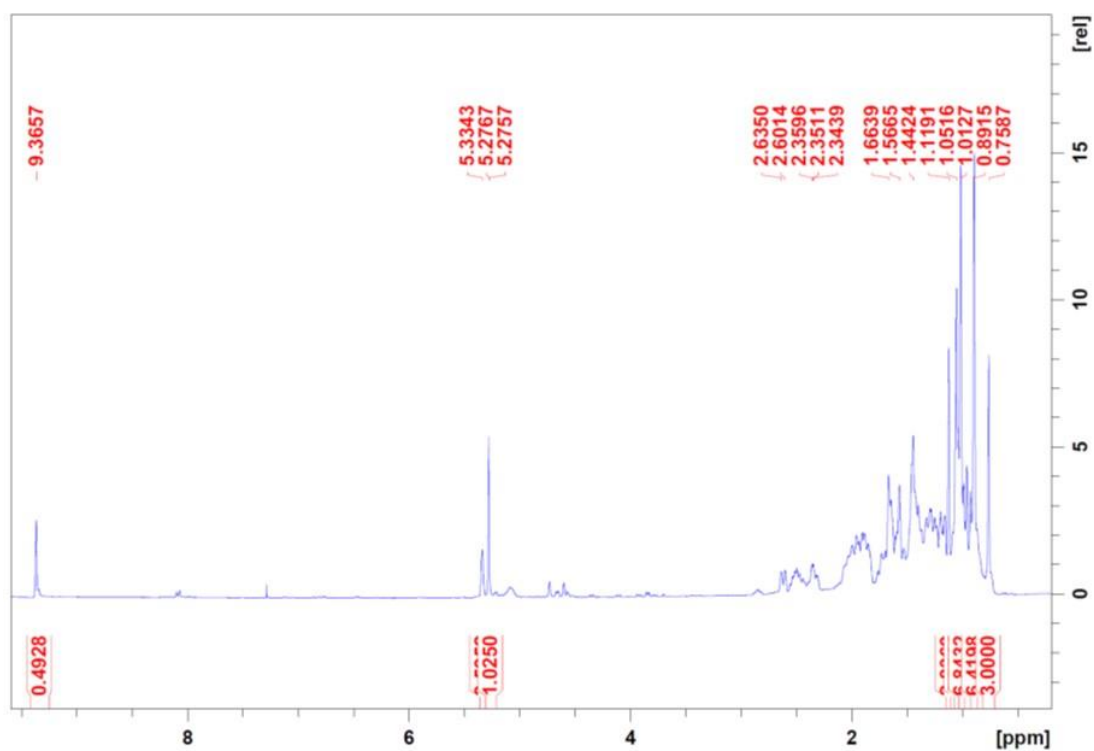


Figure S3: ^1H NMR of oleanolic aldehyde in CDCl_3 400 MHz.

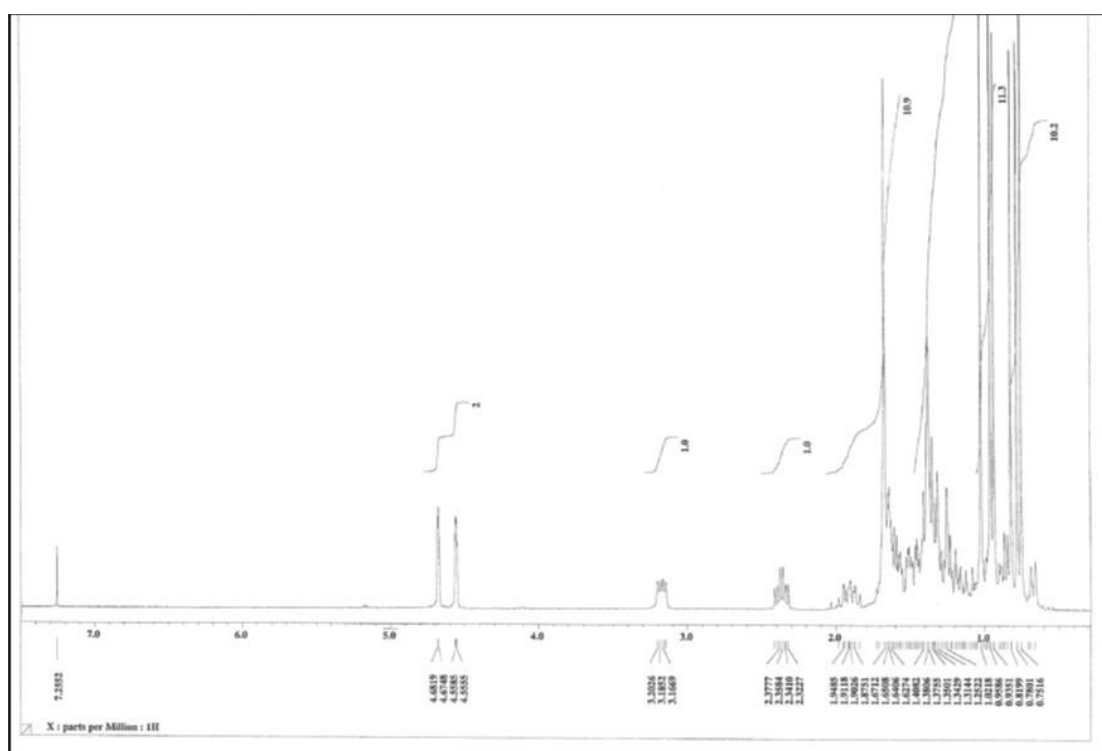


Figure S4: ^1H NMR of lupeol in CDCl_3 400 MHz.

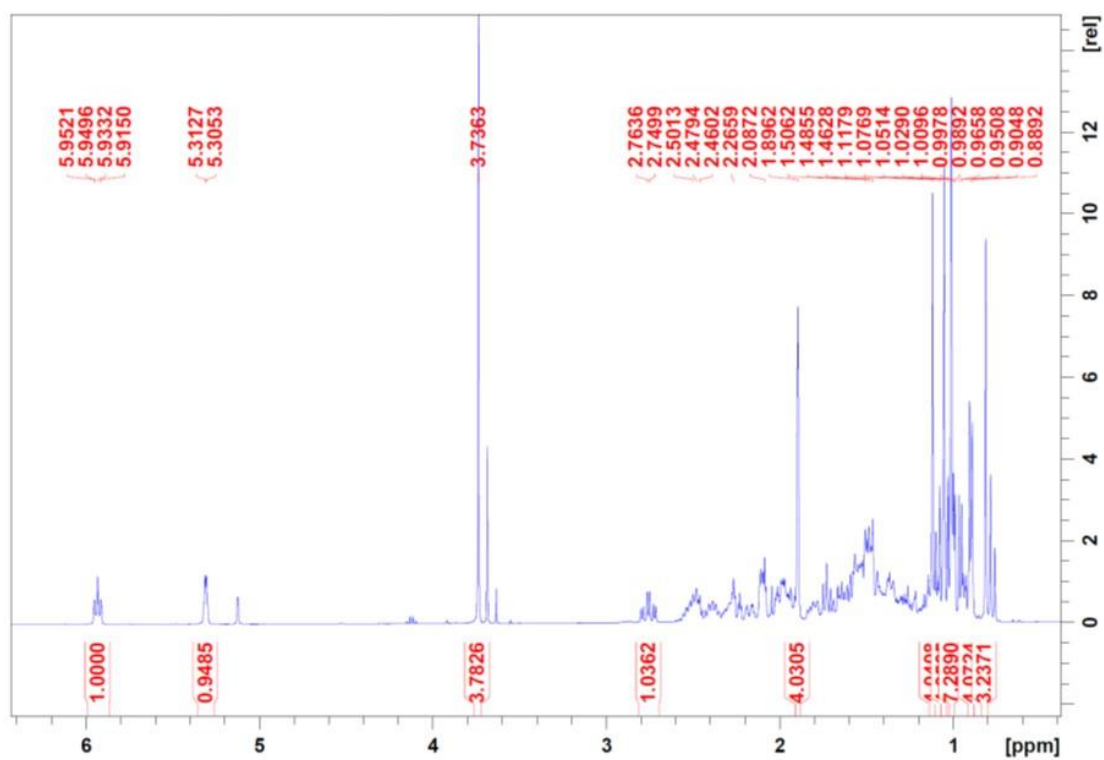


Figure S5: ^1H NMR of masticdienonic acid methyl ester in CDCl_3 400 MHz.

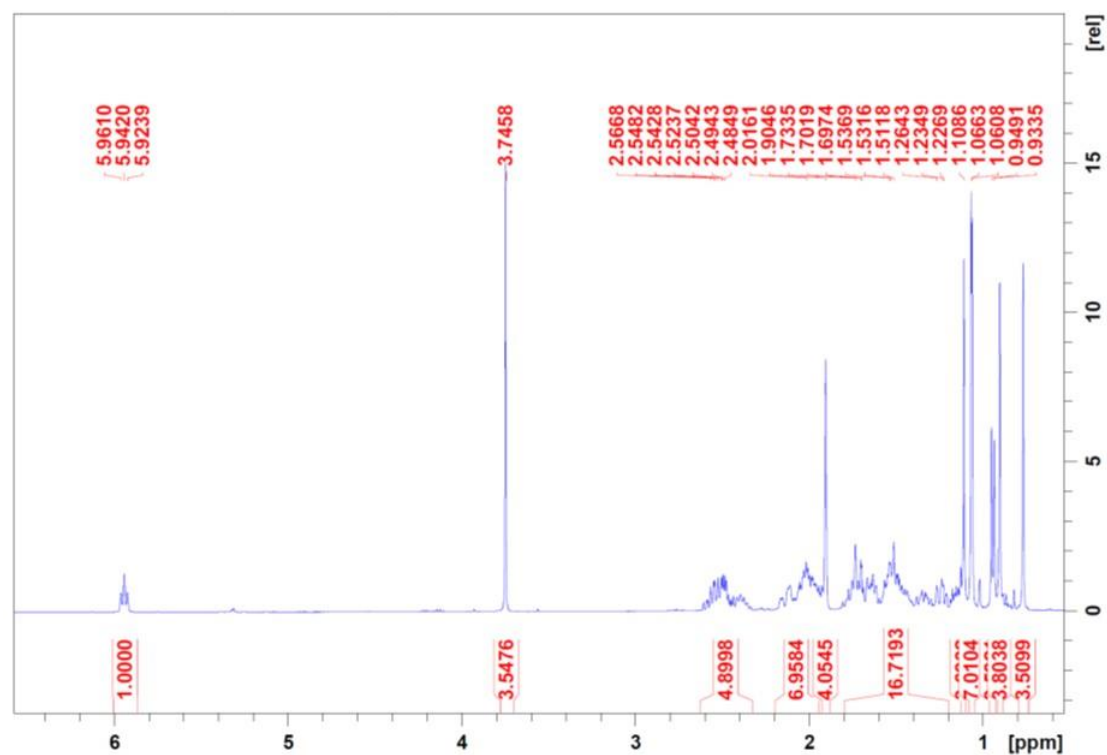


Figure S6: ^1H NMR of isomasticdienonic acid methyl ester in CDCl_3 400 MHz.

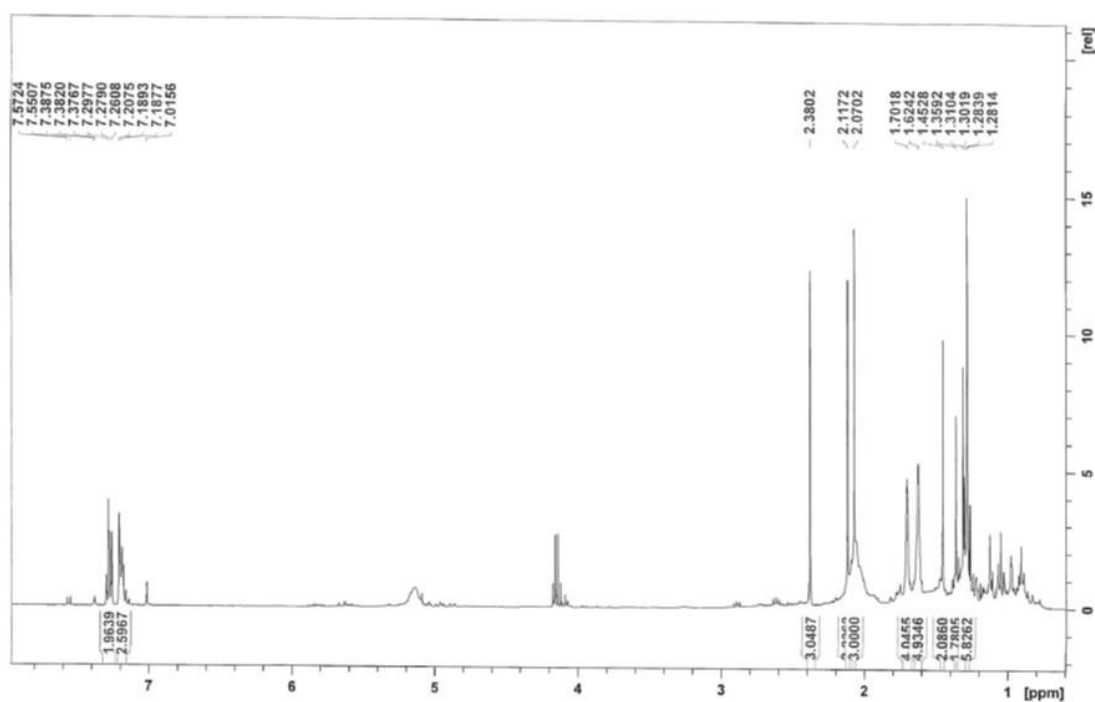


Figure S7: ^1H NMR of polar fraction in CDCl_3 400 MHz.

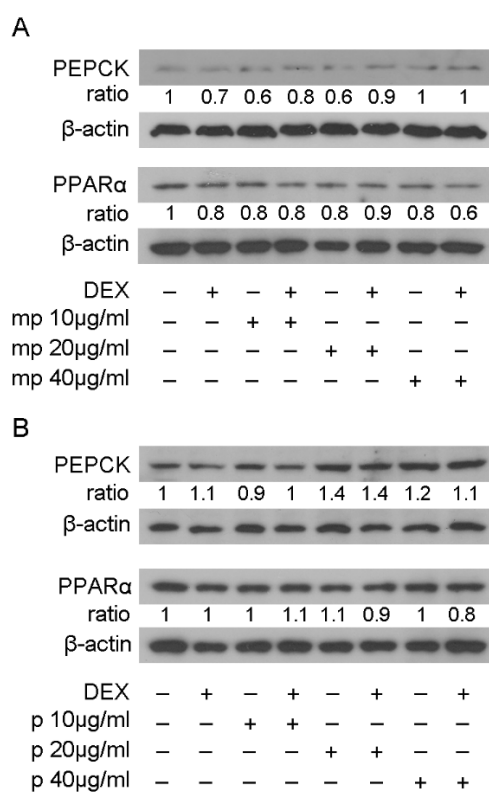


Figure S8: Effect of Chios Mastiha fractions on PEPCK and PPAR α protein levels, upon 24h treatment. Western blot analysis of GR, PEPCK and PPAR α protein levels was applying in HEK293 cell extracts treated with 10, 20 and 40 $\mu\text{g/ml}$ medium-polar (A) and polar (B) fractions for 24h. Ratios express normalization of bands intensity

compared with the respective β -actin one. Relative protein levels in control cells was set as 1.

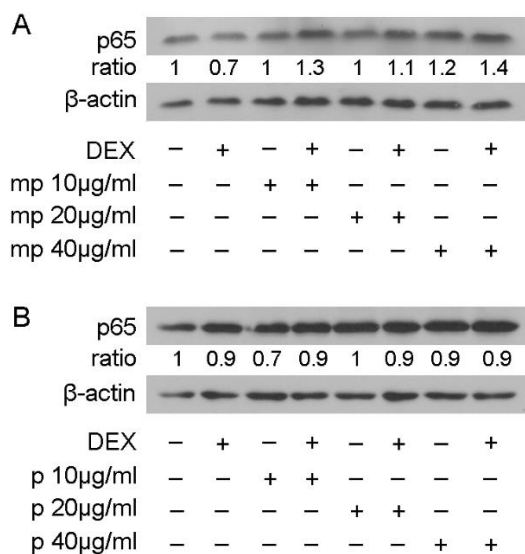


Figure S9: Effect Chios Mastiha fractions on p65 protein levels, upon 24h treatment. Western blot analysis of p65 protein levels was applying in HEK293 cell extracts treated with 10, 20 and 40 μ g/ml medium-polar (A) and polar (B) fraction for 24h. Ratios express normalization of bands intensity compared with the respective β -actin one. Relative protein levels in control cells were set as 1.

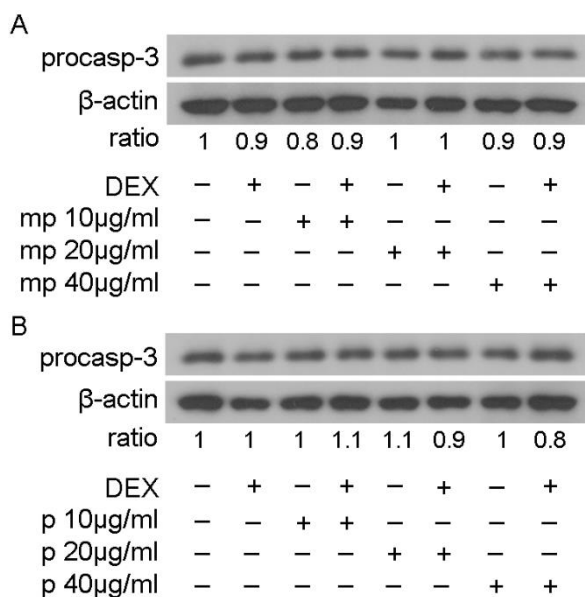


Figure S10: Effect of Chios Mastiha fractions on procaspase-3 protein levels, upon 24h treatment. Western blot analysis of procaspase-3 protein levels was applying in HEK293 cell extracts treated with 10, 20 and 40 μ g/ml medium-polar (A) and polar (B) fraction for 24h. Ratios express normalization of bands intensity compared with the respective β -actin one. Relative protein levels in control cells were set as 1.