Electronic Supplementary Materials

Efficient and selective catalytic hydroxylation of unsaturated plant oils; a novel method for producing anti-pathogens

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Contents:

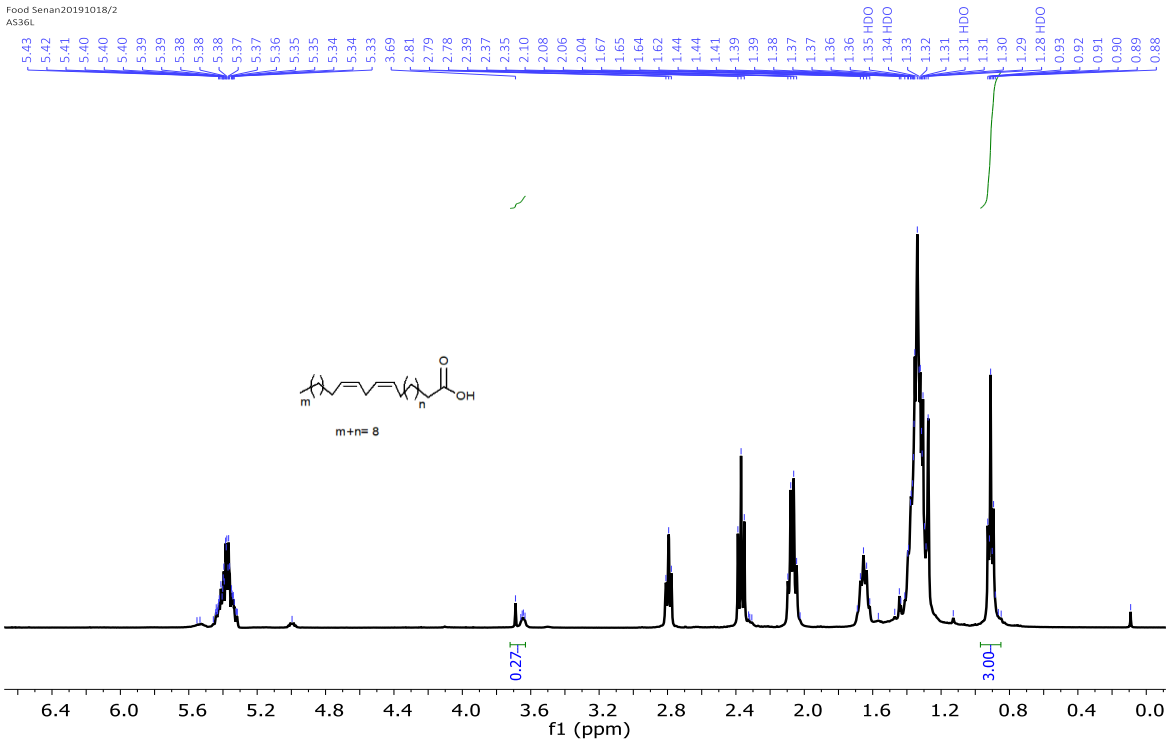

Figure S1 The quantification products by ^{1}H NMR Spectrum; Linoleic acid obtained as main product of ML hydroxylation with ($Na_2S_2O_8$) alone as catalyst

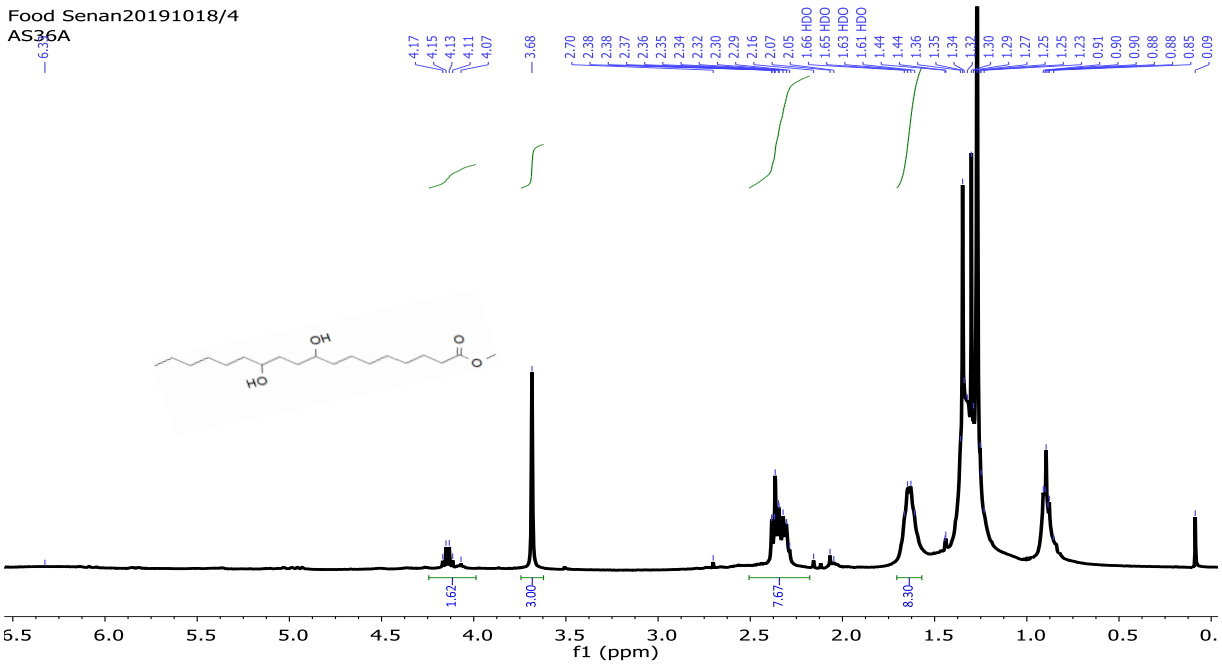

Figure S2 ^{1}H NMR spectrum of conjugated hydroxy methyl linoleate (isolated product **1**)

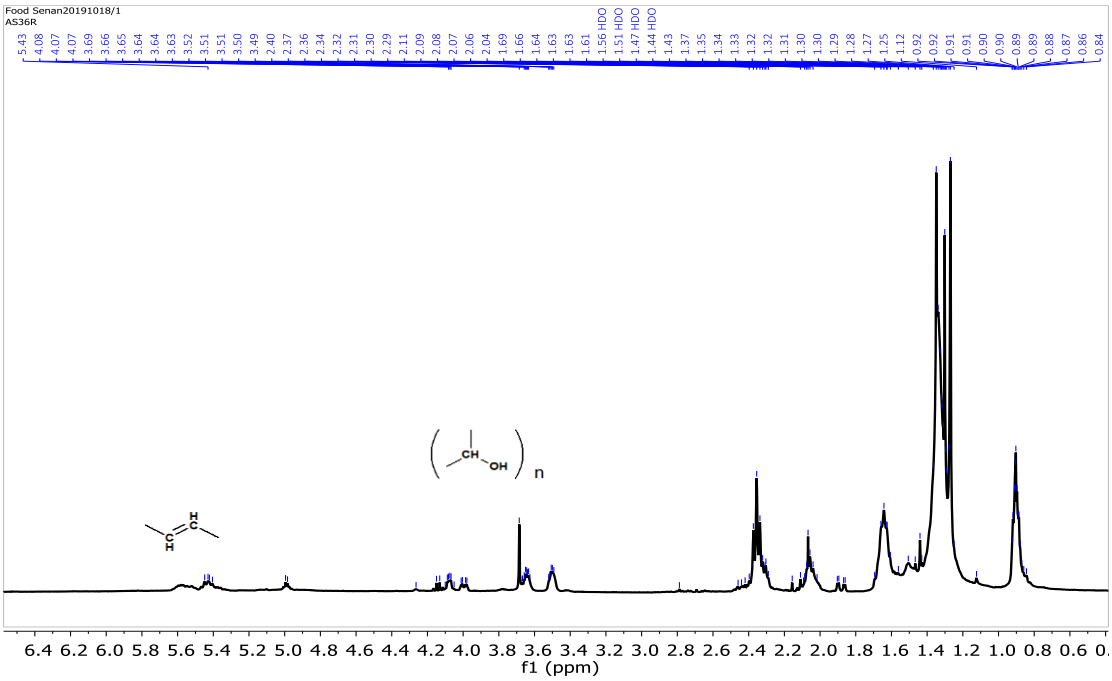

Figure S3 ^{1}H NMR spectrum of conjugated hydroxy methyl linoleate CHLM (Reaction Mixture),

n=5

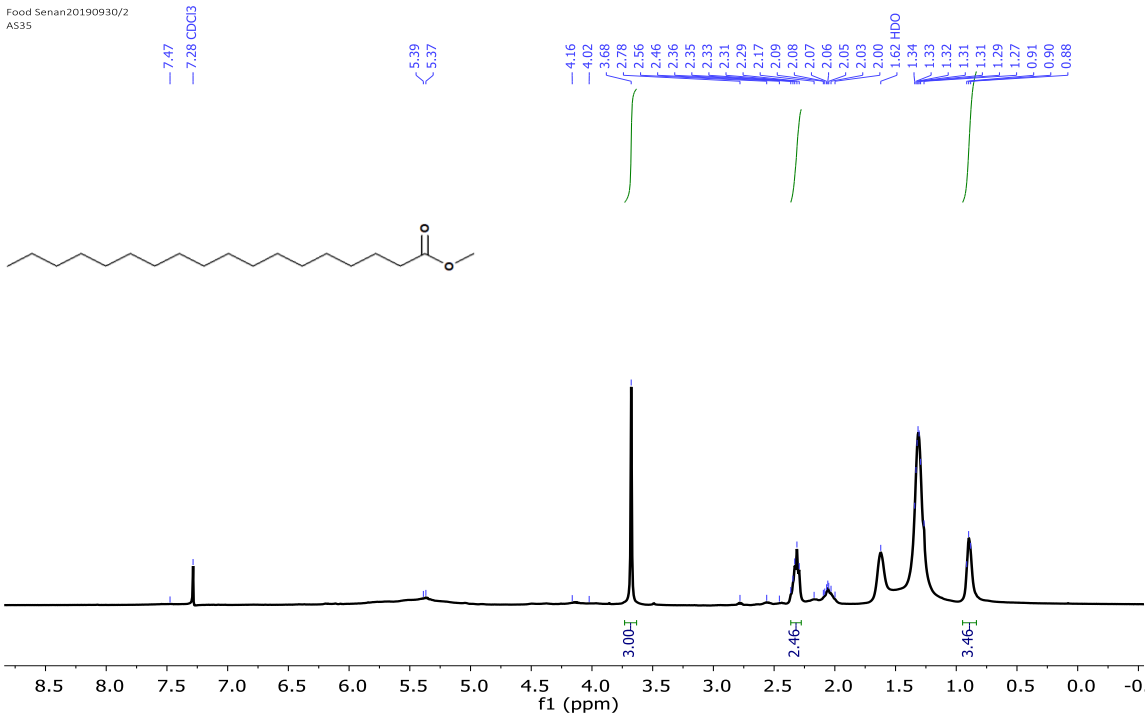

Figure S4 ^{1}H NMR Spectrum of Saturated Ester

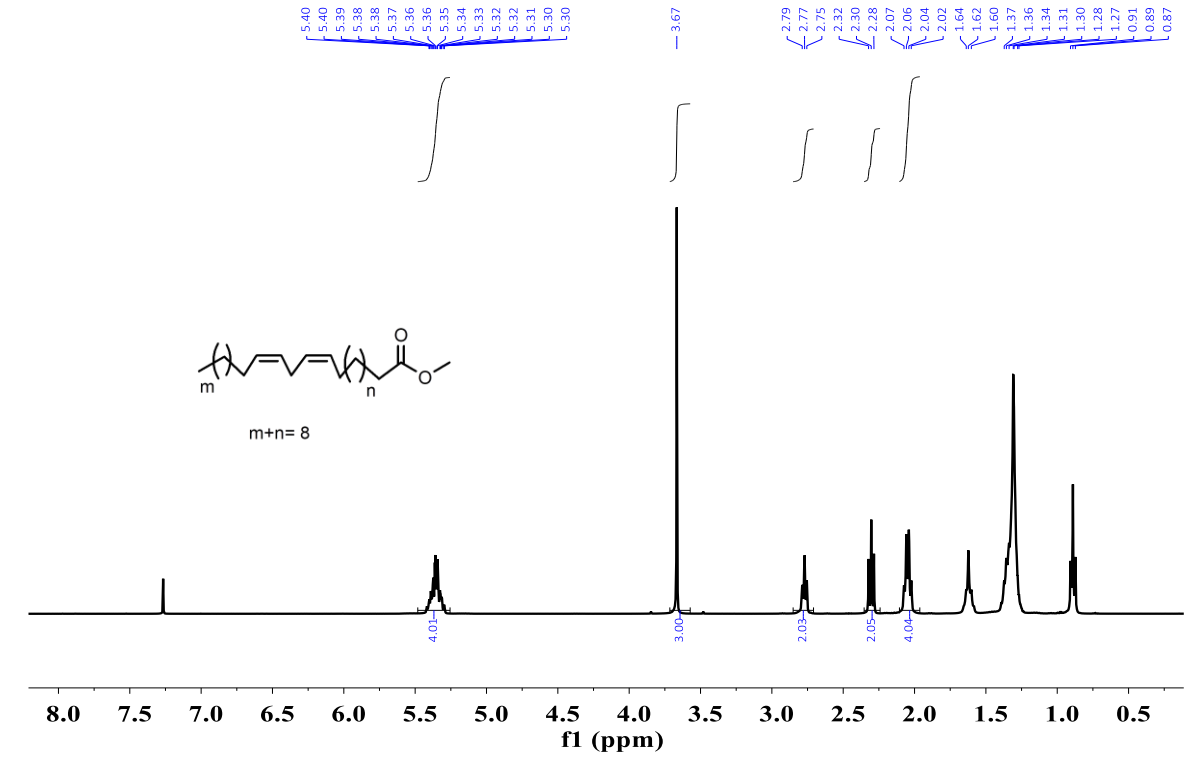

Figure S5 ^{1}H NMR spectrum of original methyl linoleate

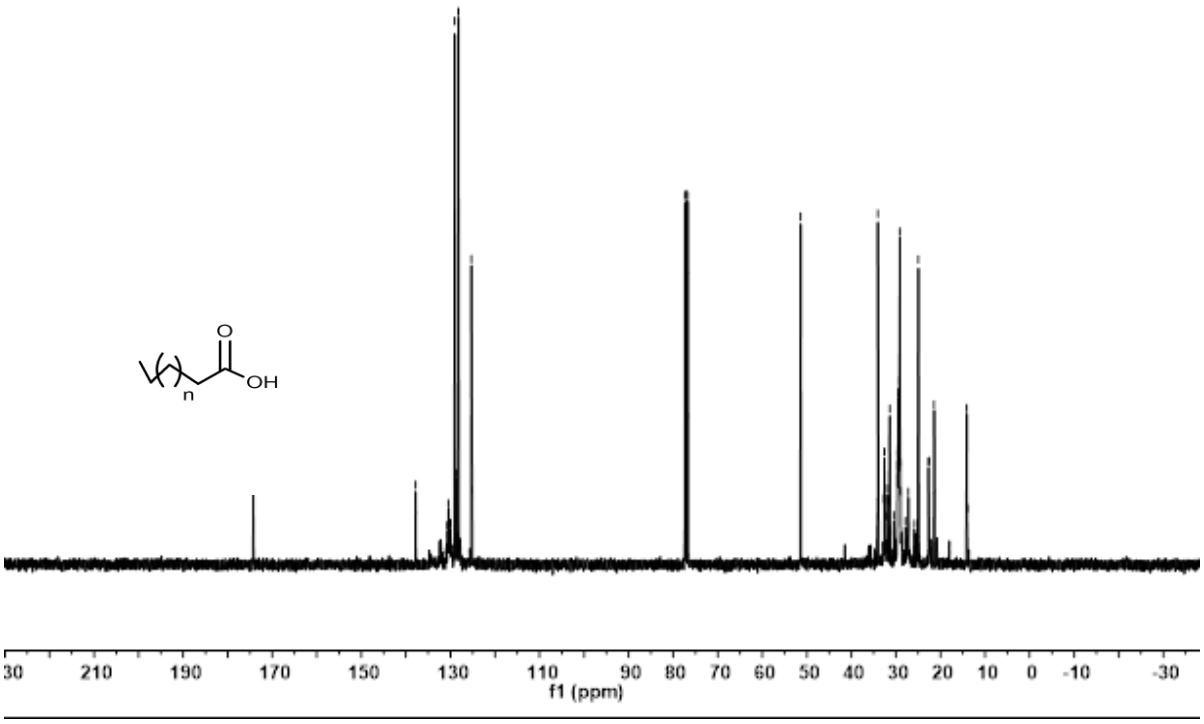

Figure S6 ^{13}C NMR spectrum of isolated product in $CDCl_3$ (after removal of the solvent $MeCN/H_2O$)

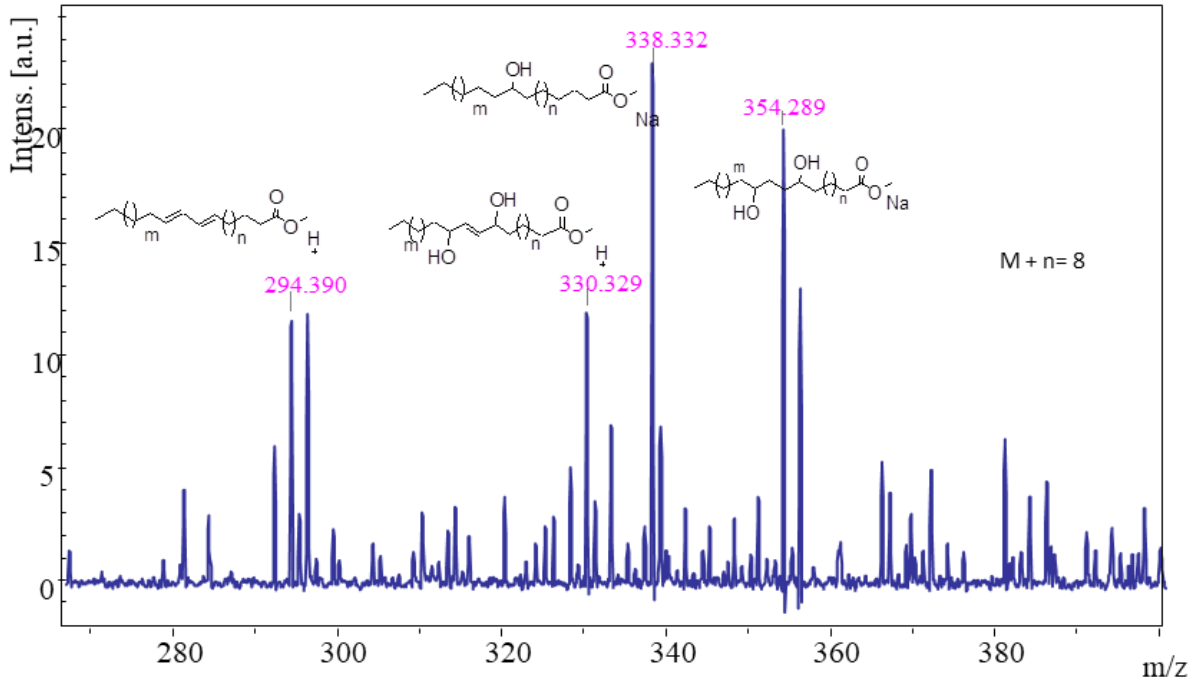

Figure S7. MALDITOF –mass spectroscopy employed for determining the mixture of conjugated hydroxy methyl linoleate CHML after reaction time 24 h