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Supporting Information

for

Synthesis and acaricidal activity against *Varroa destructor* of α- and γ-costic acid dimers

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NMR and HRESIMS spectra of compounds 4, 6 and 7

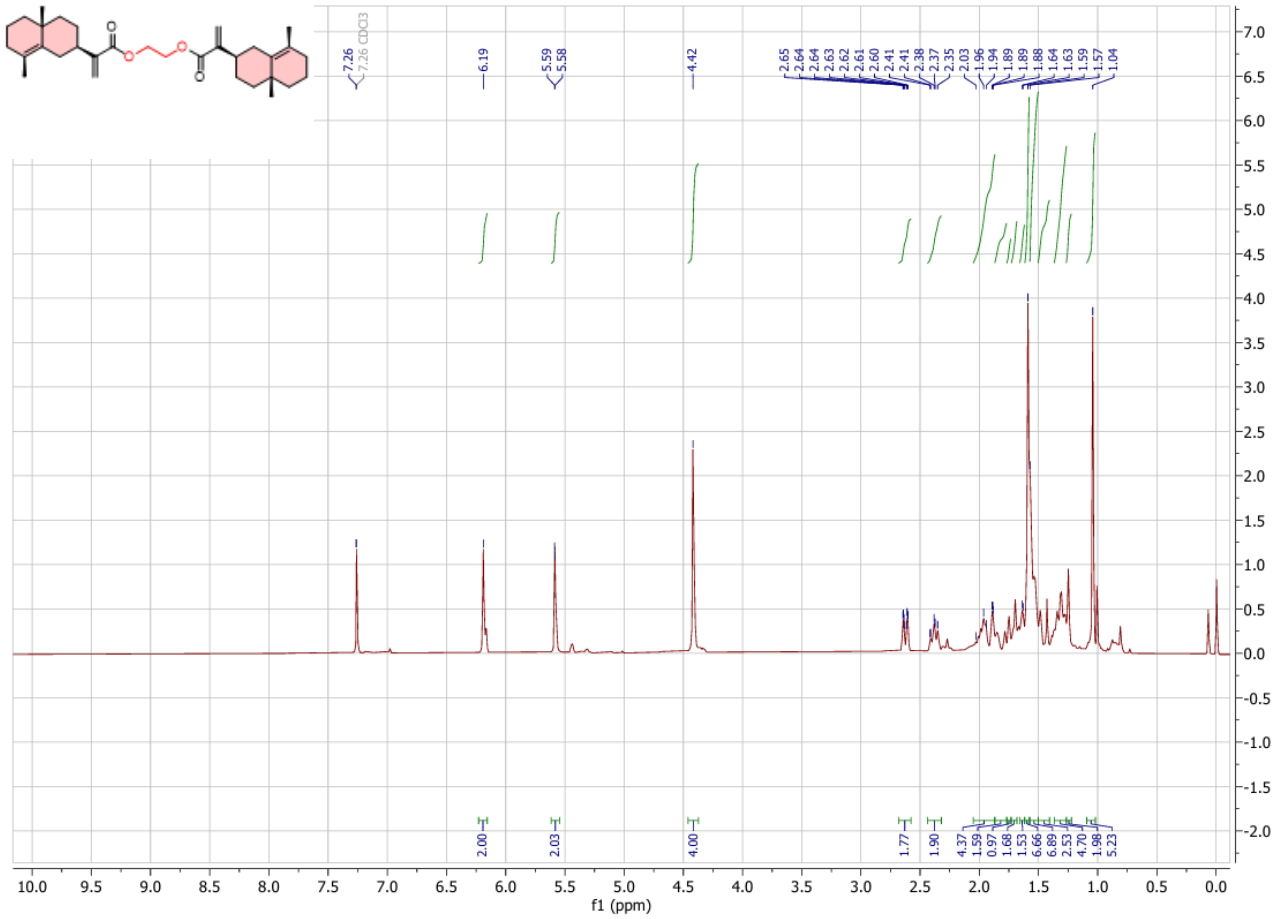

Figure S1. ^{1}H NMR (400 MHz, $CDCl_3$) spectrum of compound **4**.

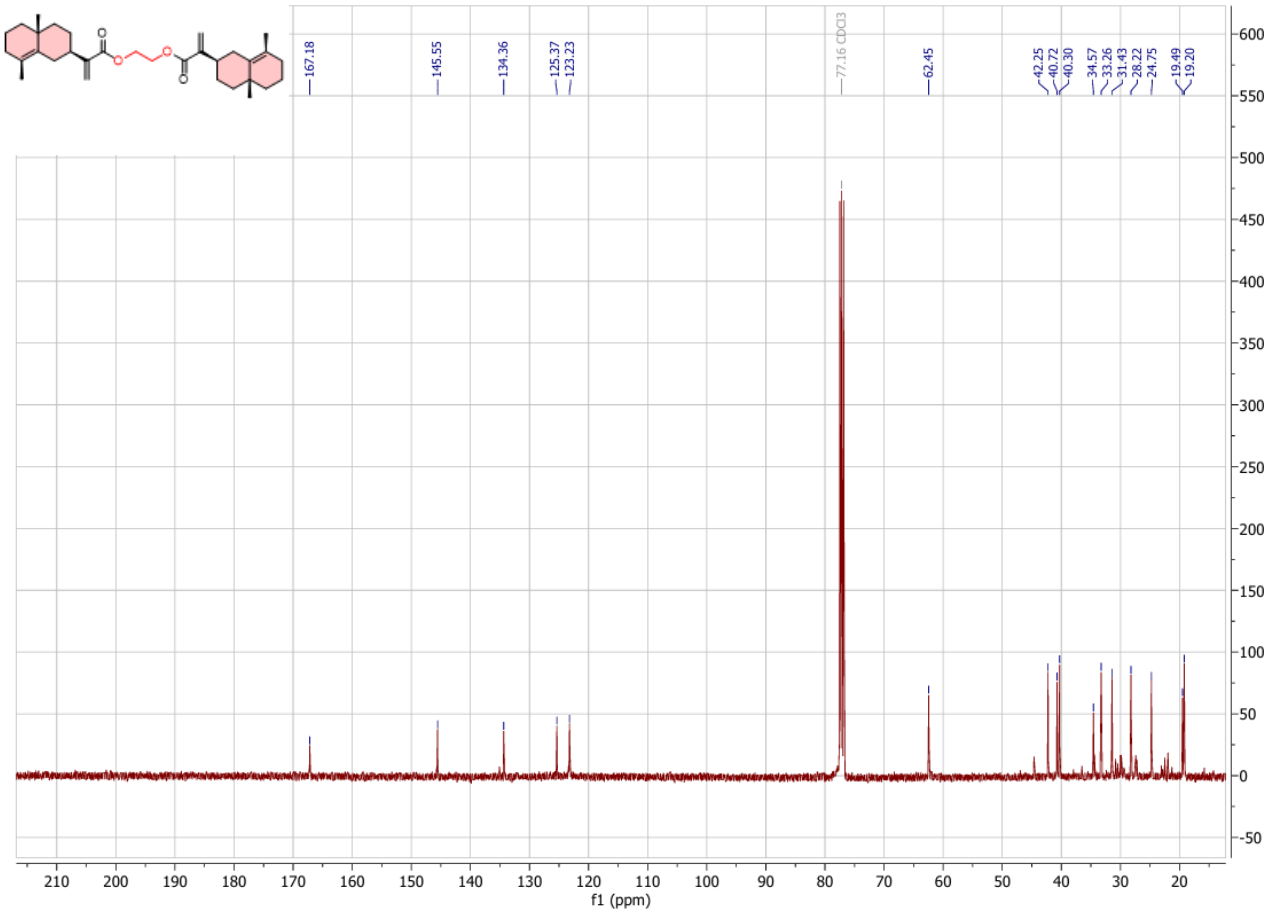

Figure S2. ^{13}C NMR (100 MHz, $CDCl_3$) spectrum of compound **4**.

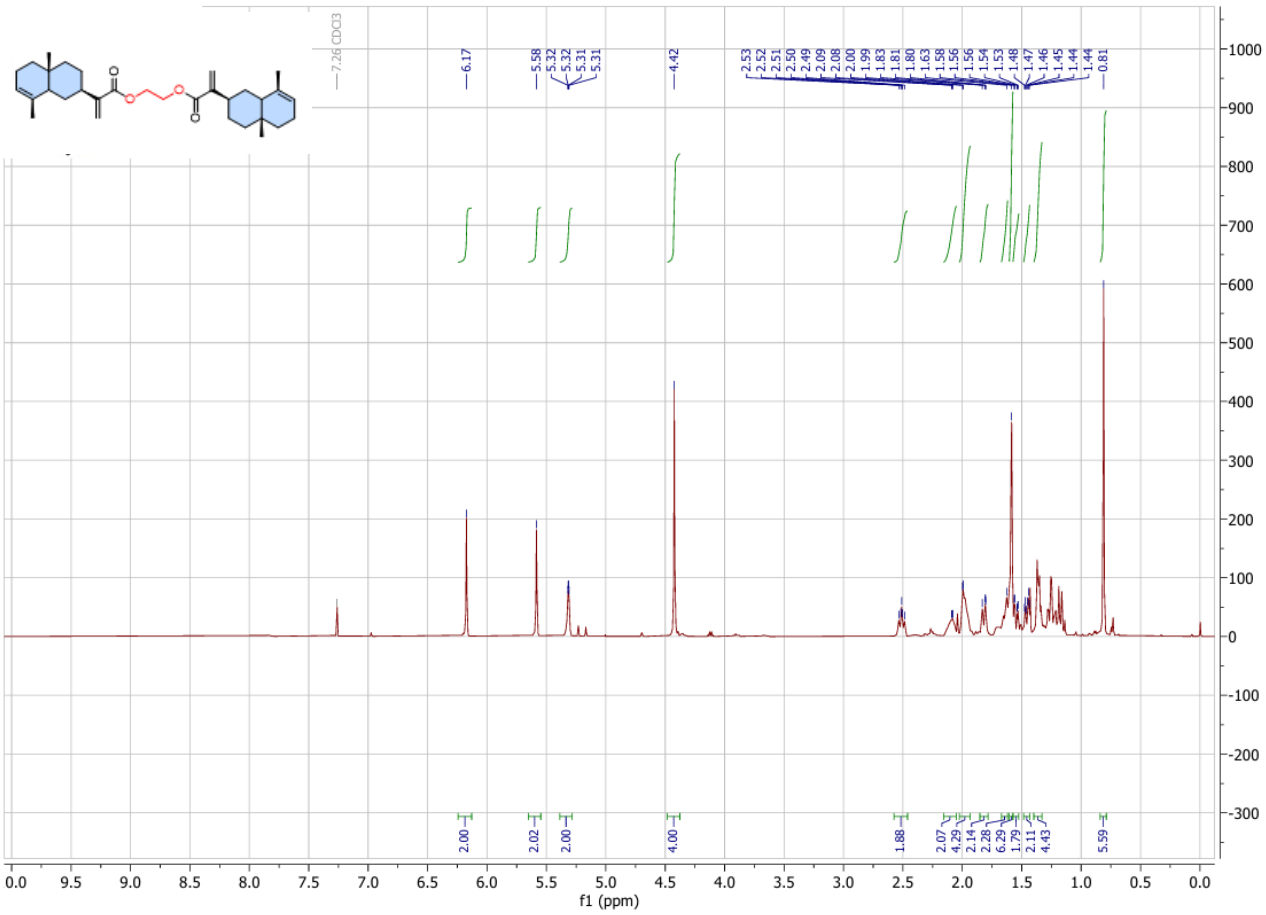

Figure S3. ^{1}H NMR (500 MHz, $CDCl_3$) spectrum of compound **6**.

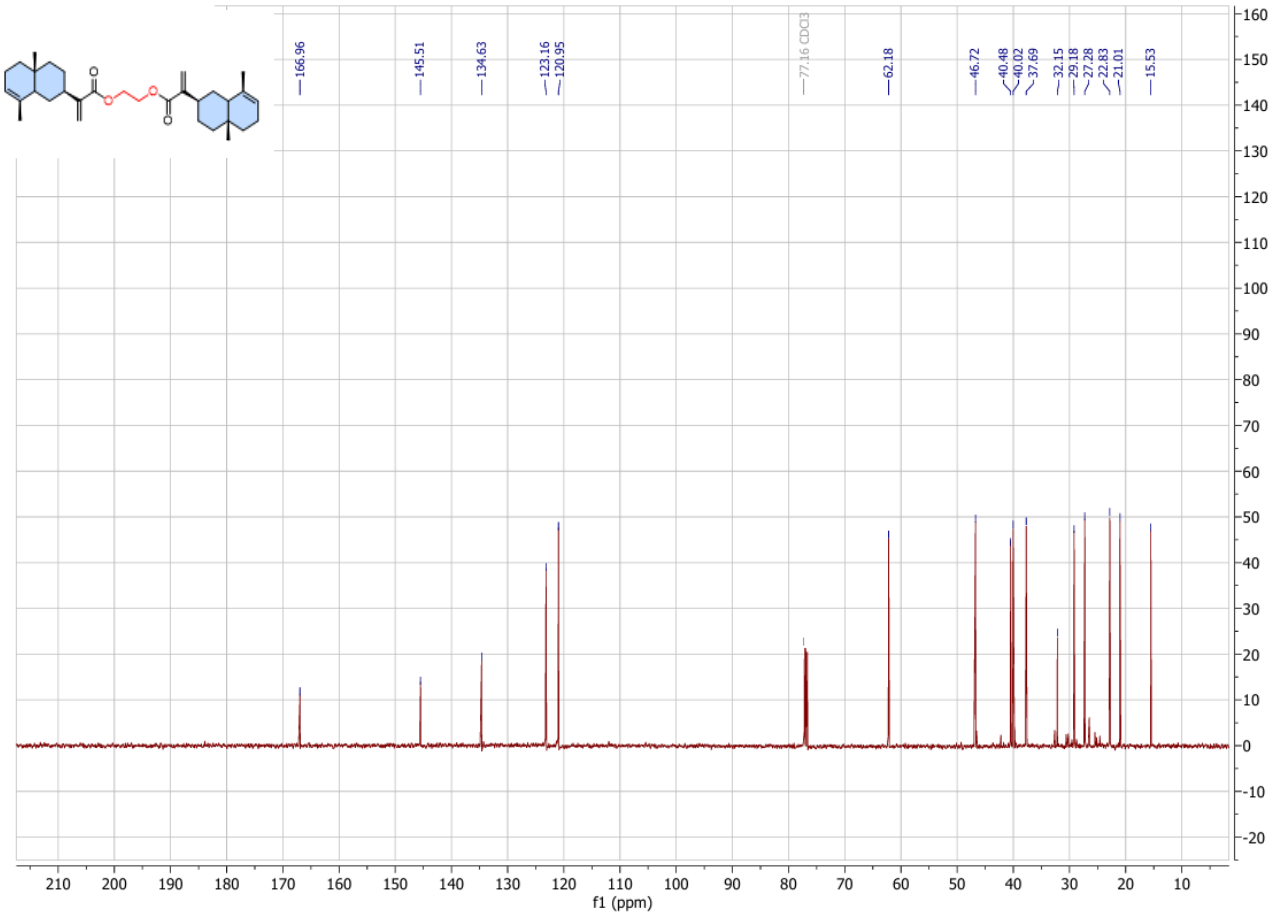

Figure S4. ^{13}C NMR (125 MHz, $CDCl_3$) spectrum of compound **6**.

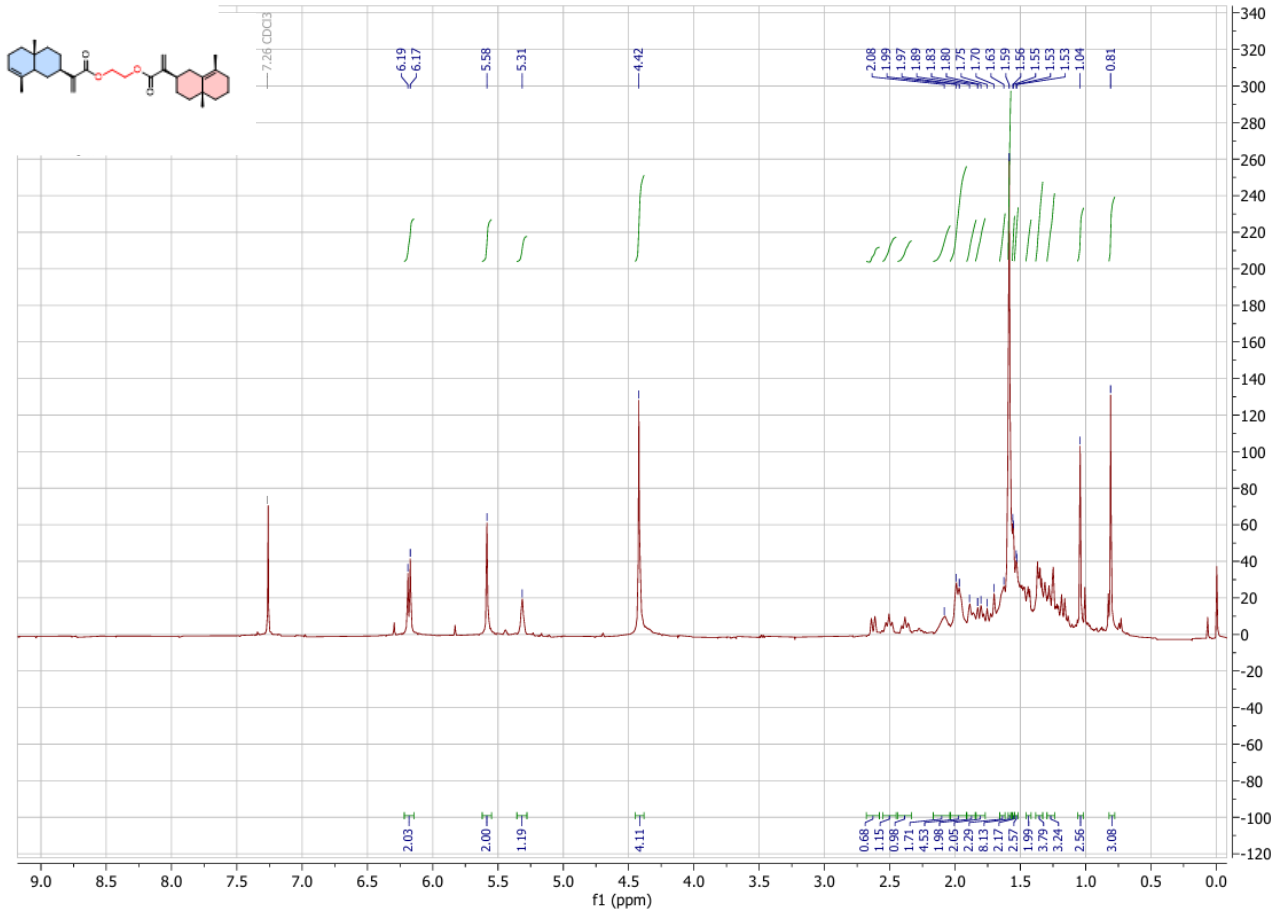

Figure S5. ^{1}H NMR (500 MHz, $CDCl_3$) spectrum of compound **7**.

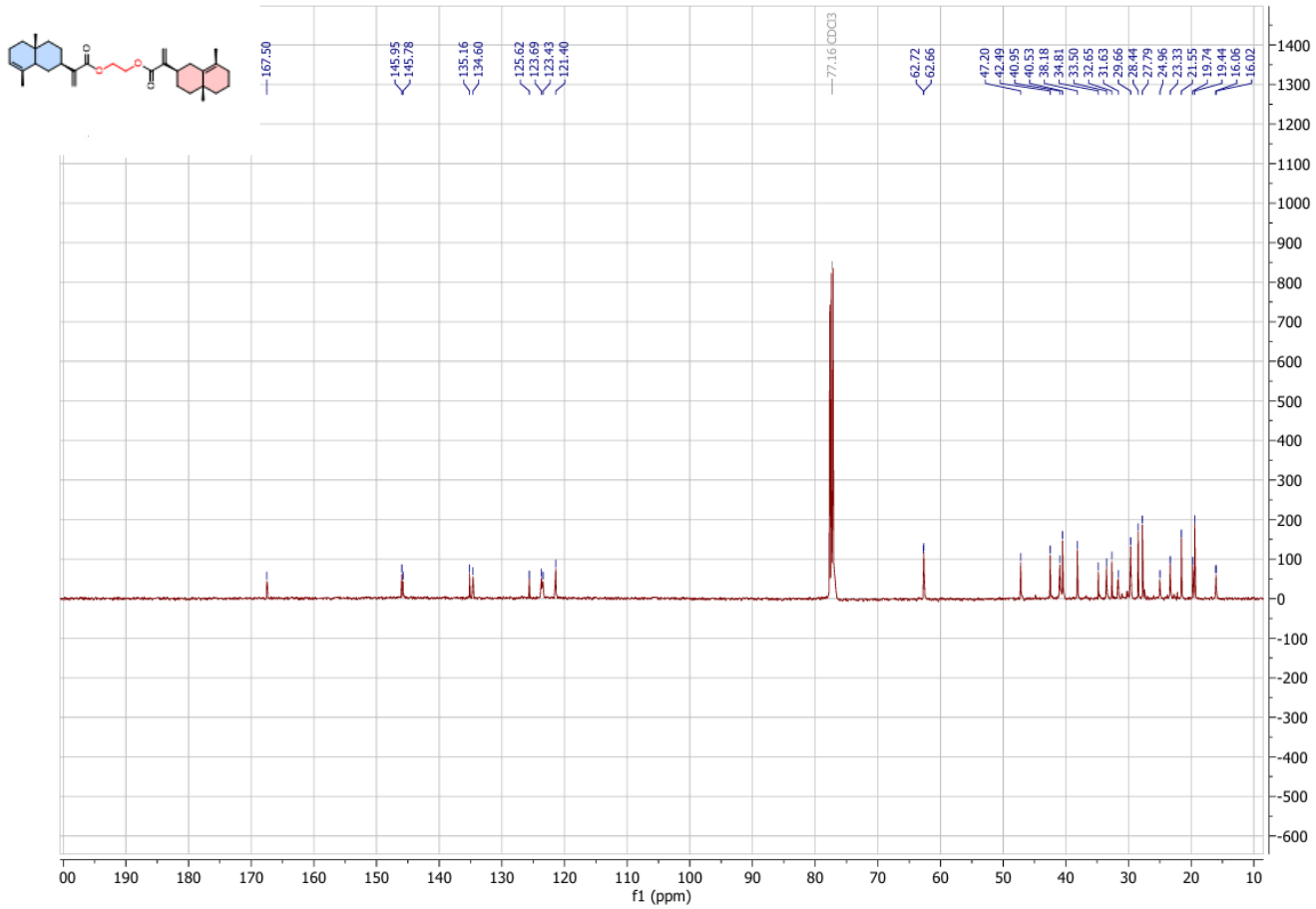

Figure S6. ^{13}C NMR (125 MHz, $CDCl_3$) spectrum of compound **7**.

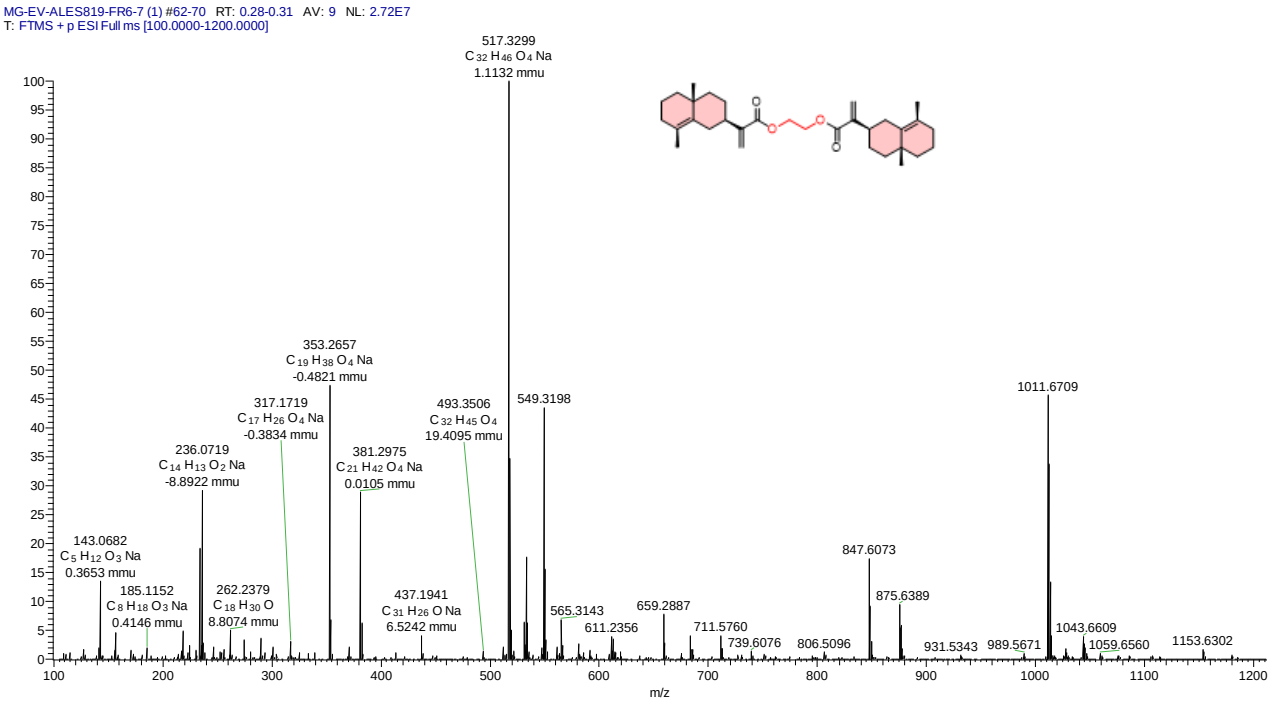

Figure S7. HR-ESIMS spectrum of compound **4**.

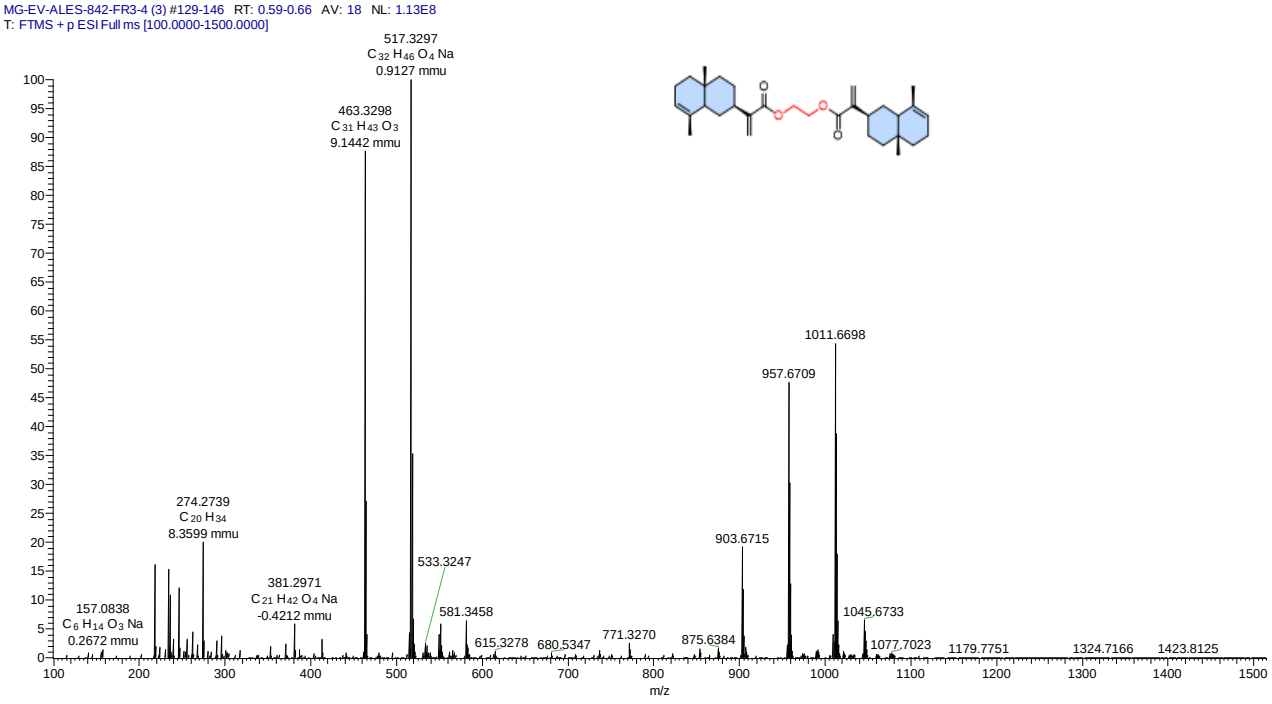

Figure S8. HR-ESIMS spectrum of compound **6**.

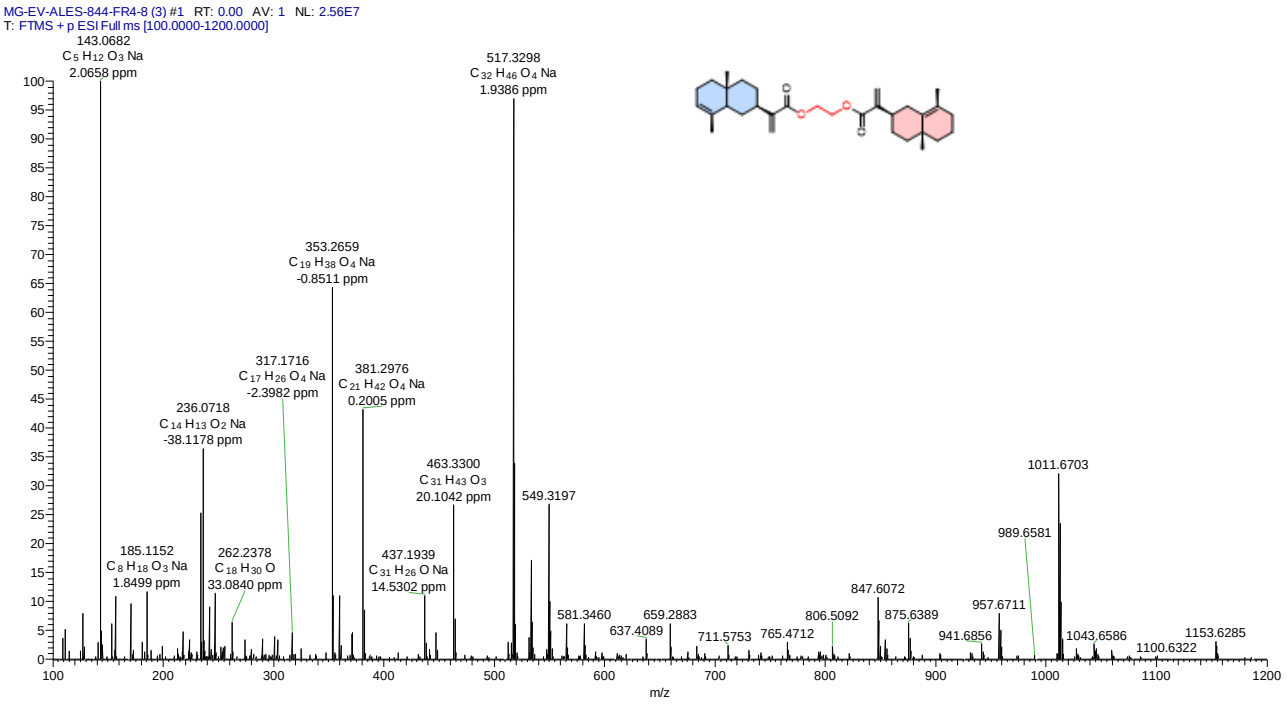

Figure S9. HR-ESIMS spectrum of compound **7**.