Supporting Information

Apoptosis Inducing Galactolipids from a Cultured Marine Diatom *Phaeodactylum Tricornutum*

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Spectral Data for Compound (1) in $CDCl_3$

Figure S1.300 MHz ^{1}H NMR spectrum of compound (**1**) in $CDCl_3$

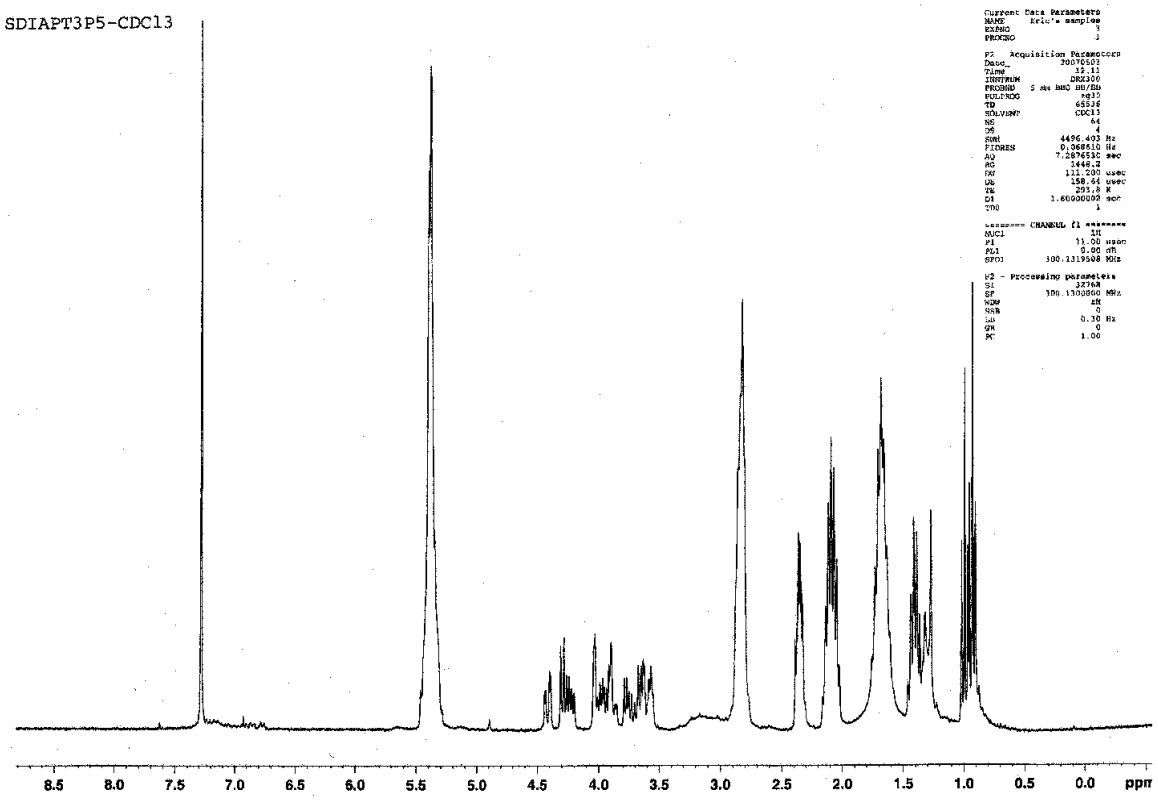

Figure S2.75 MHz ^{13}C NMR spectrum of compound (**1**) in $CDCl_3$

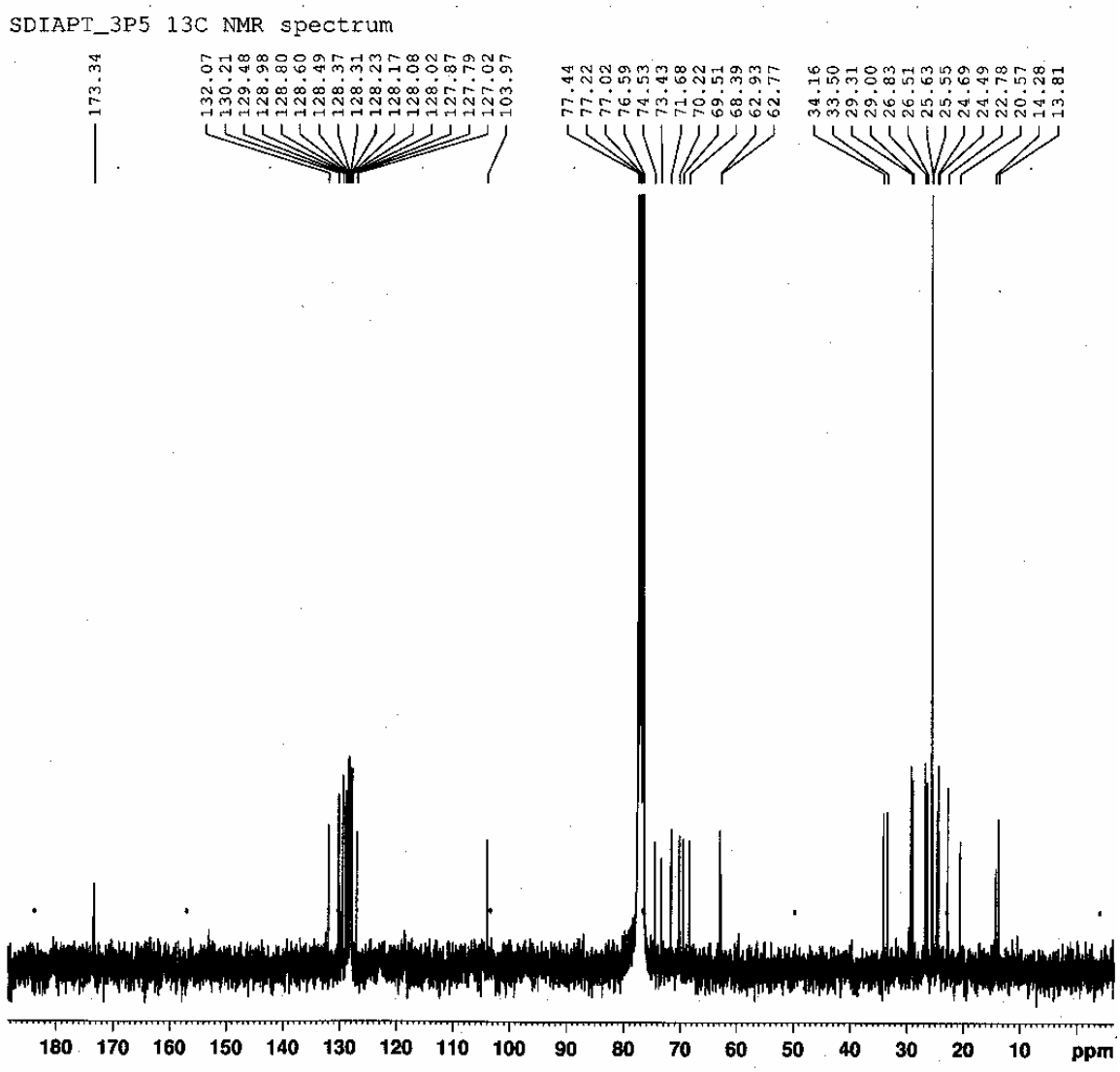

Figure S3.75 MHz ^{13}C NMR spectrum of compound (**1**) in $CDCl_3$ (partial view of the olefinic region)

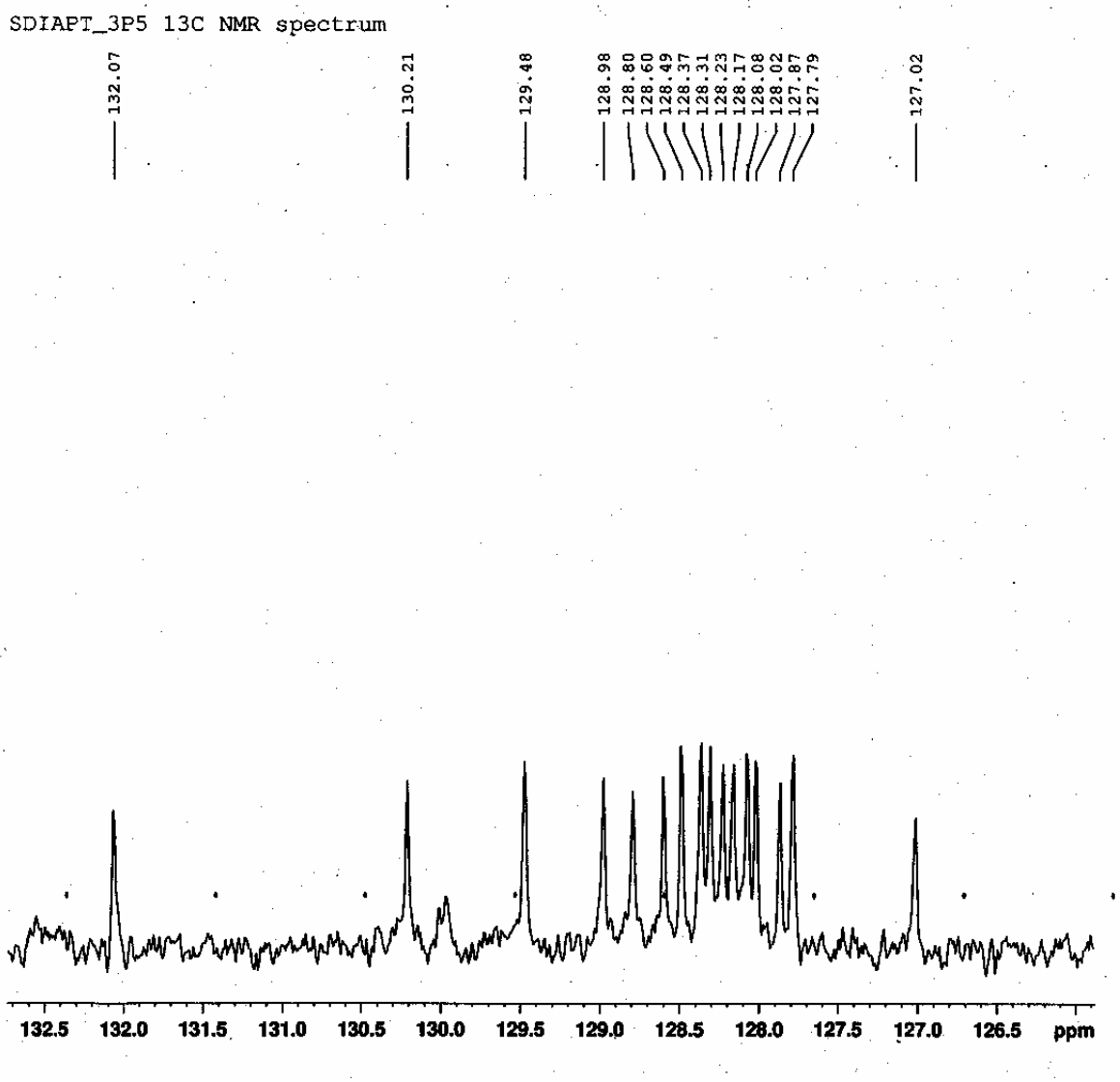

Figure S4. 75 MHz ^{13}C NMR spectrum of compound (**1**) in $CDCl_3$ (partial view of the aliphatic region)

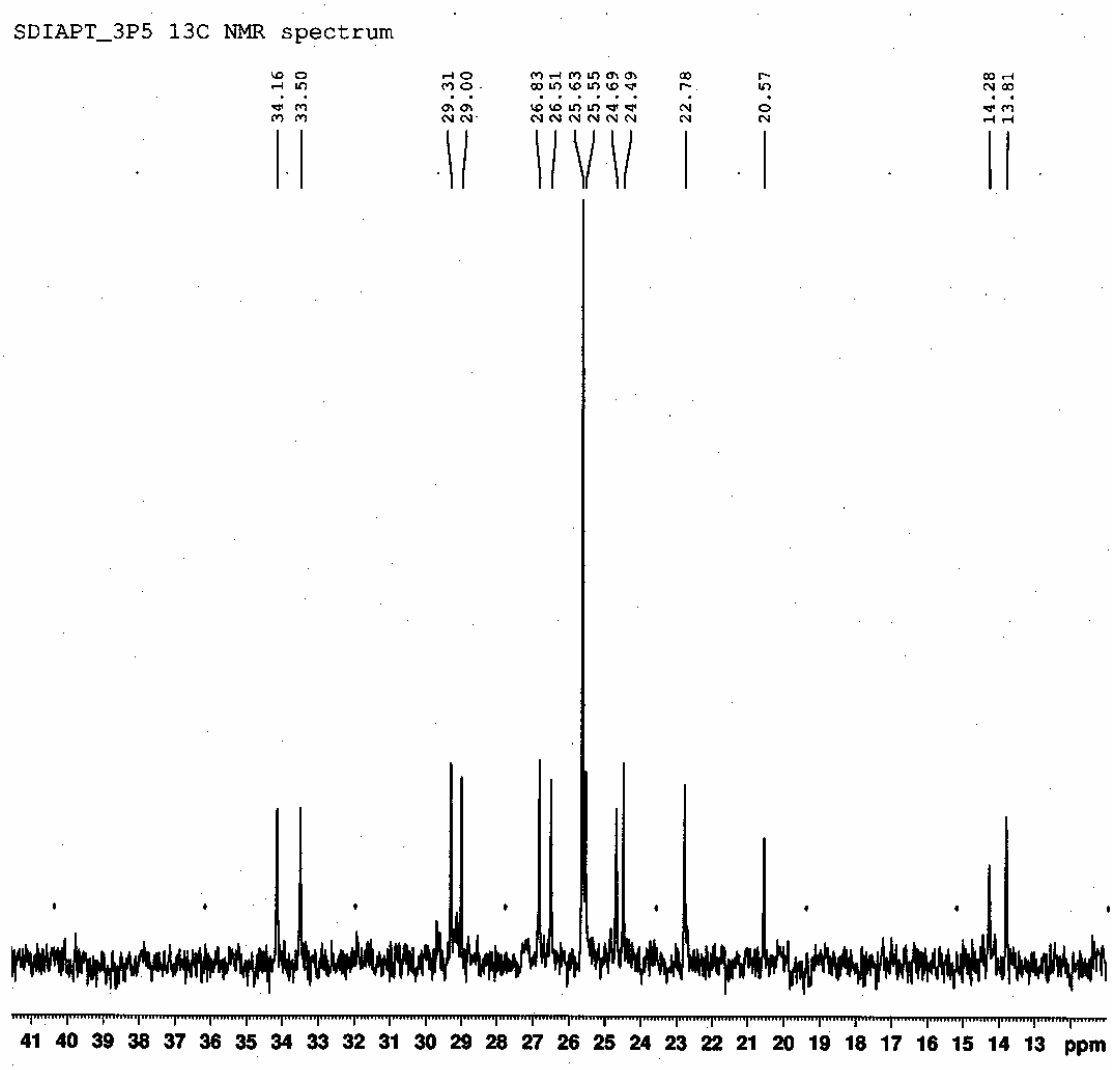

Figure S5 300 MHz ^{1}H-^{1}H COSY spectrum of compound (**1**) in $CDCl_3$

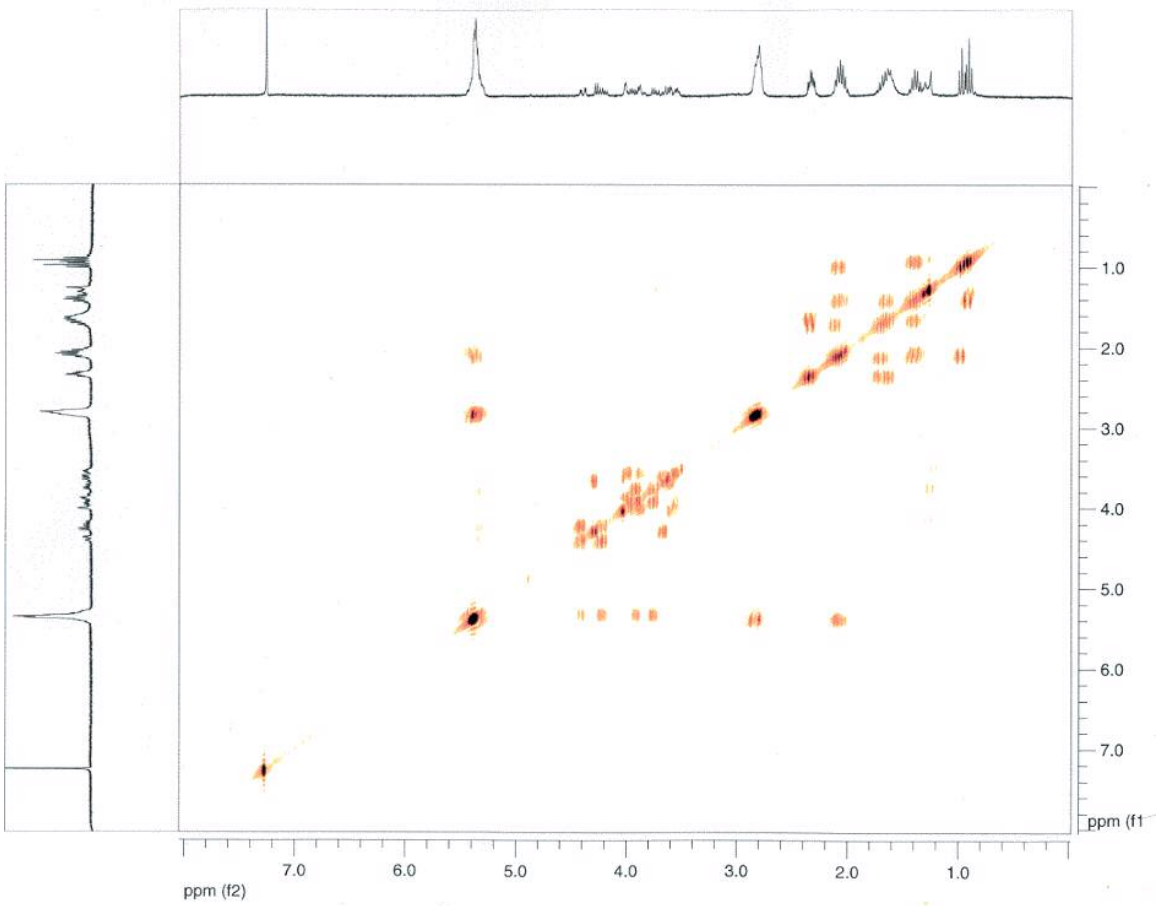

Figure S6 300 MHz Multiplicity-edited HSQC spectrum of compound (**1**) in $CDCl_3$

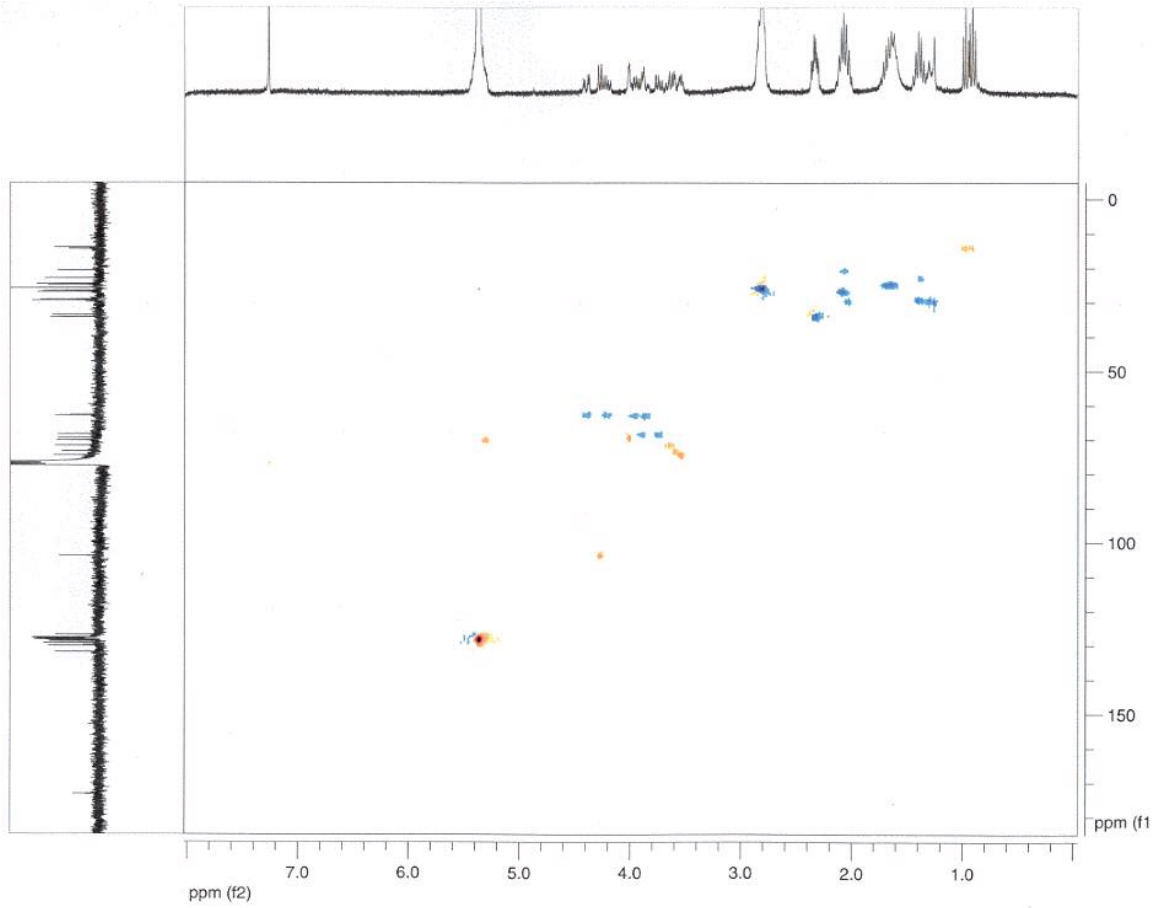

Figure S7 300 MHz Multiplicity-edited HSQC spectrum of compound (**1**) in $CDCl_3$ (partial view of the signal belonging to the proton between 0 to 3.5 ppm)

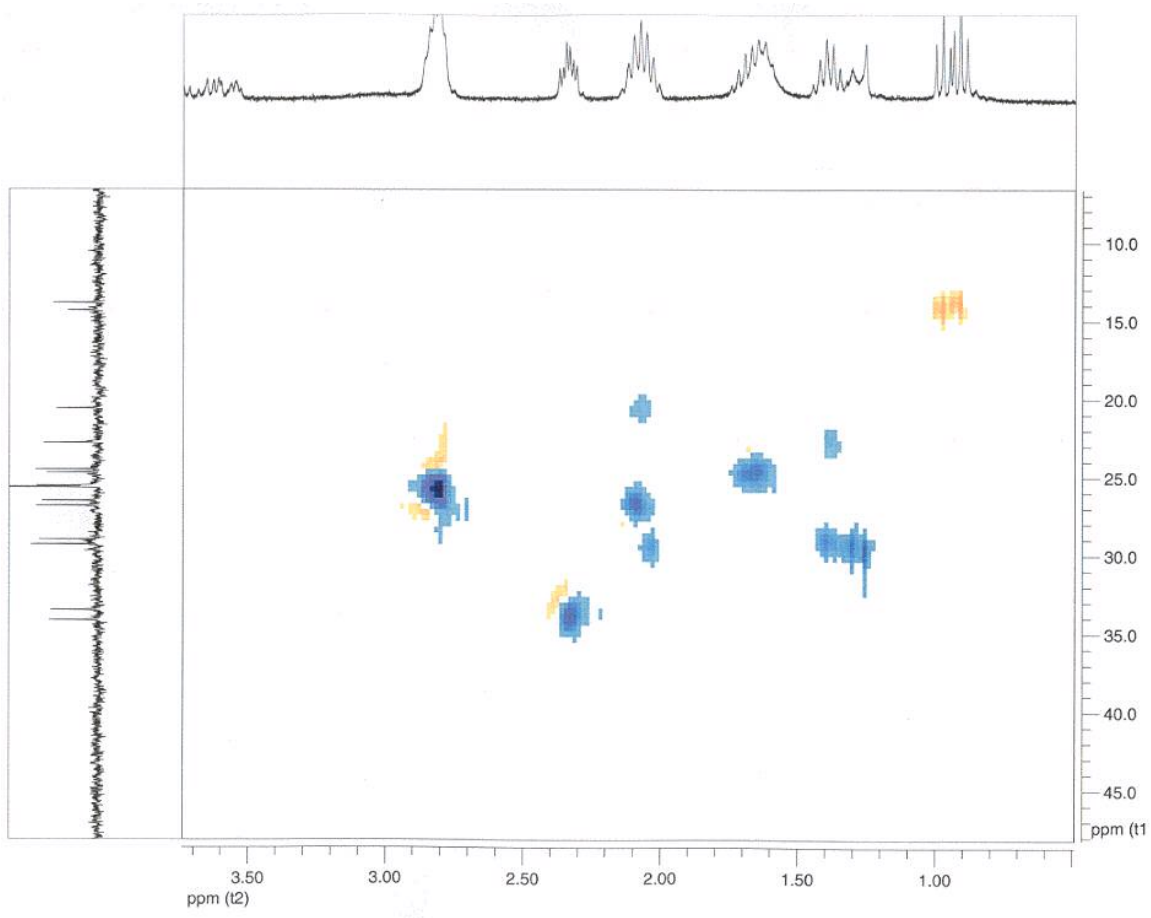

Figure S8 300 MHz HMBC spectrum (optimized for J = 8Hz) of compound (**1**) in $CDCl_3$

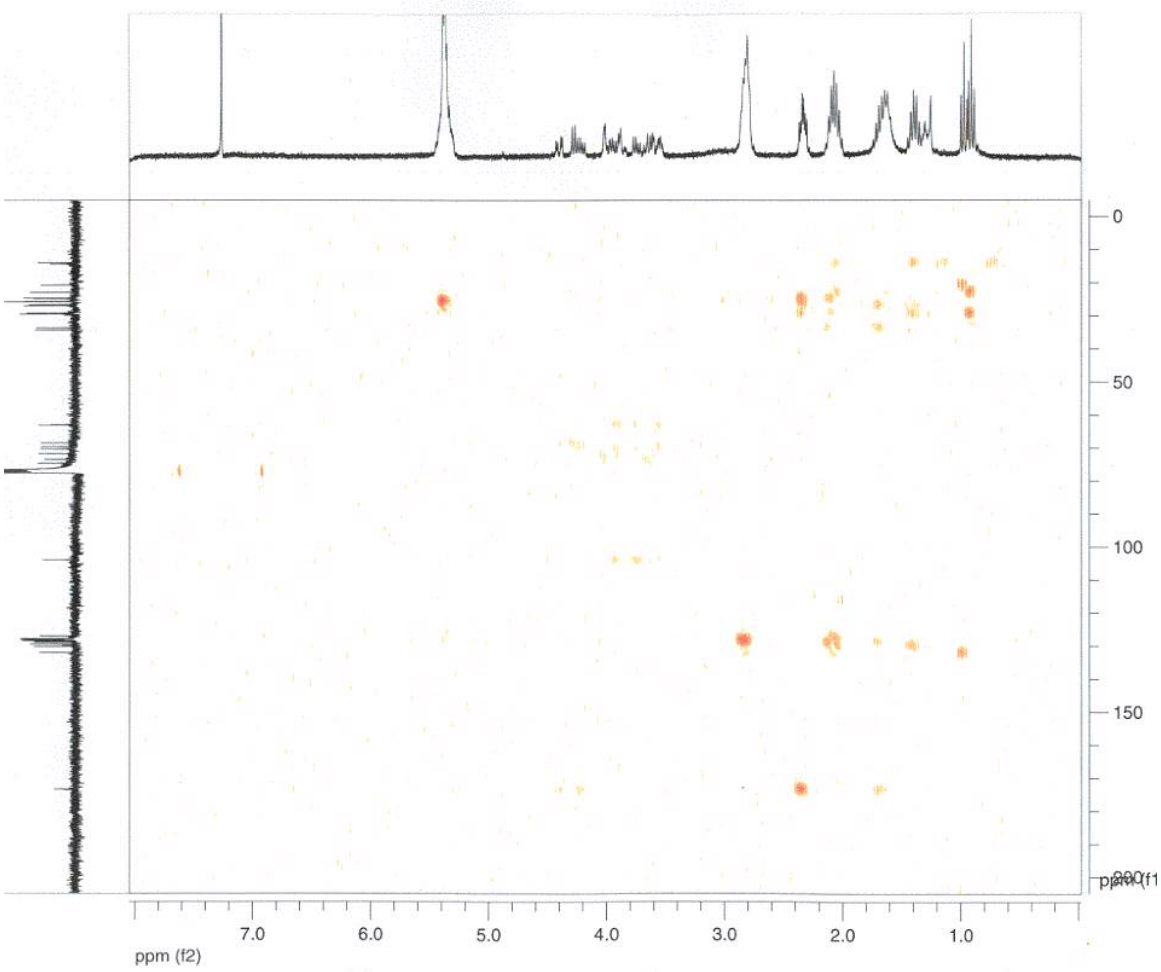

Figure S9 300 MHz HMBC spectrum (optimized for J = 8Hz) of compound (**1**) in $CDCl_3$ (Terminal methyl correlations)

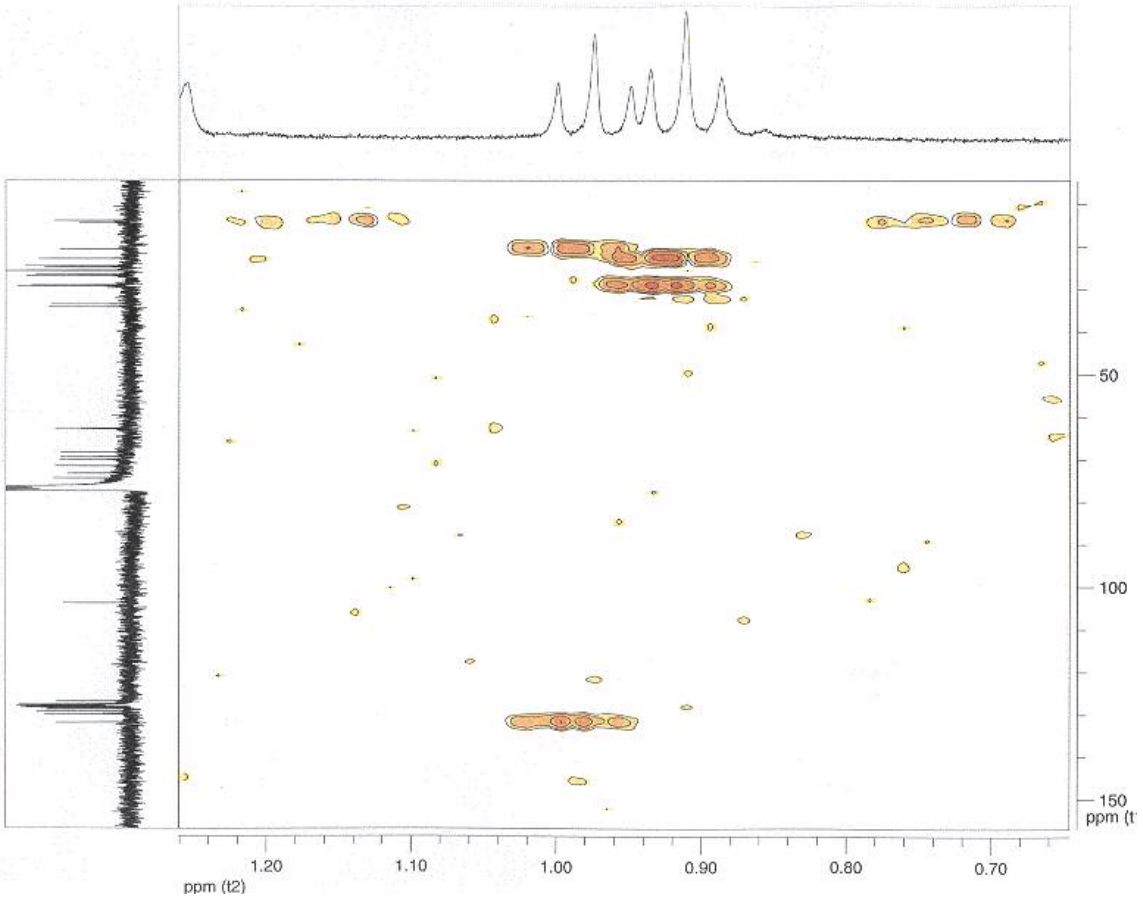

Figure S10 MALDI-TOF spectrum of compound(**1**)

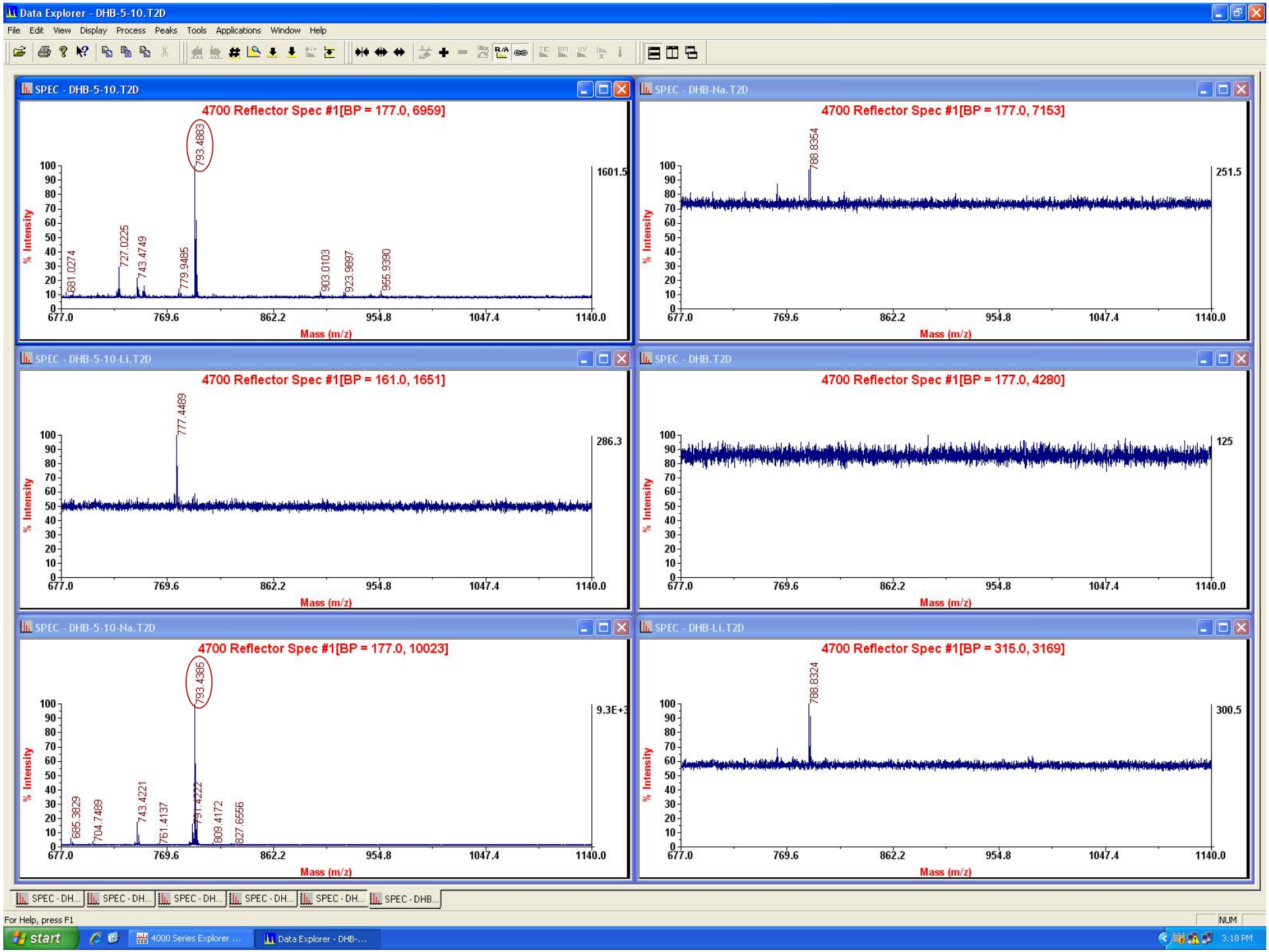

Figure S11 MALDI-TOF spectrum of compound(**2**)