Electronic Supporting information
Straightforward synthesis of bistetraazacycloalkanes: towards new potential CXCR4 antagonists?

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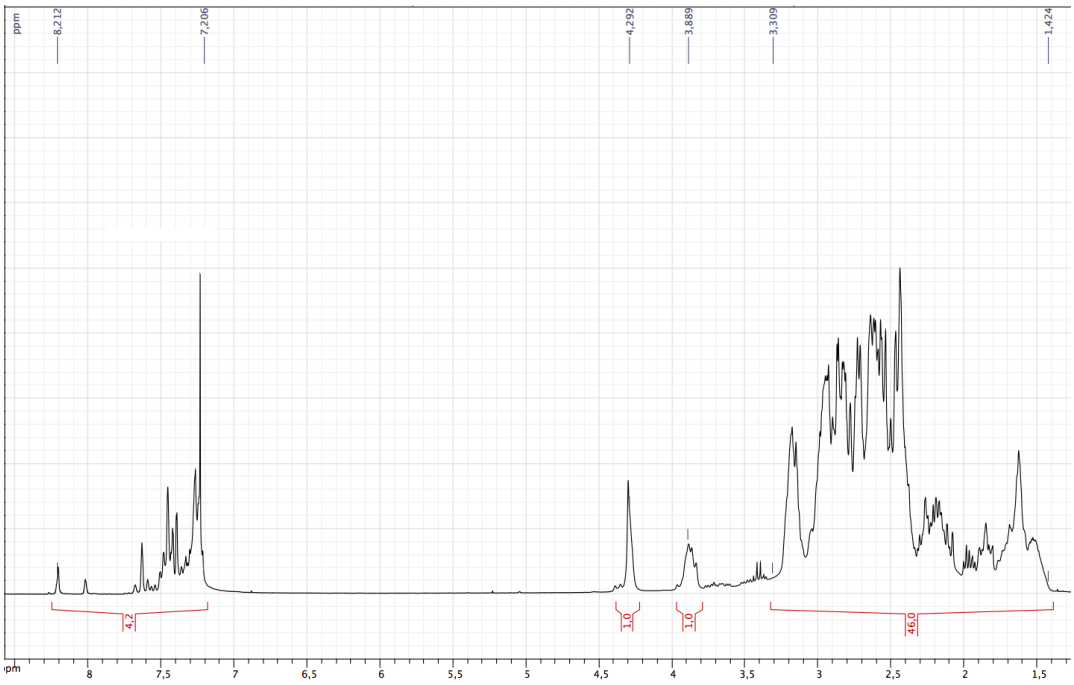

Figure 1: ^{1}H NMR of the mixture compound 2 a-c (300 MHz, $CDCl_3$, 300 K)

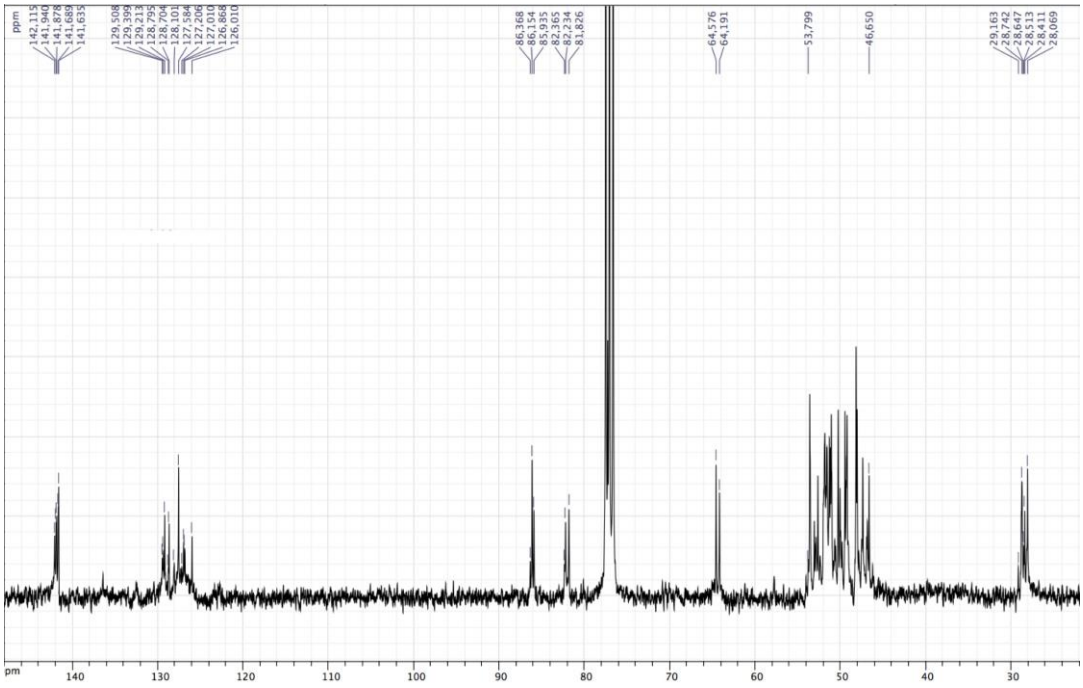

Figure 2: ^{13}C NMR of the mixture of compounds 2 a-c (75 MHz, $CDCl_3$, 300 K)

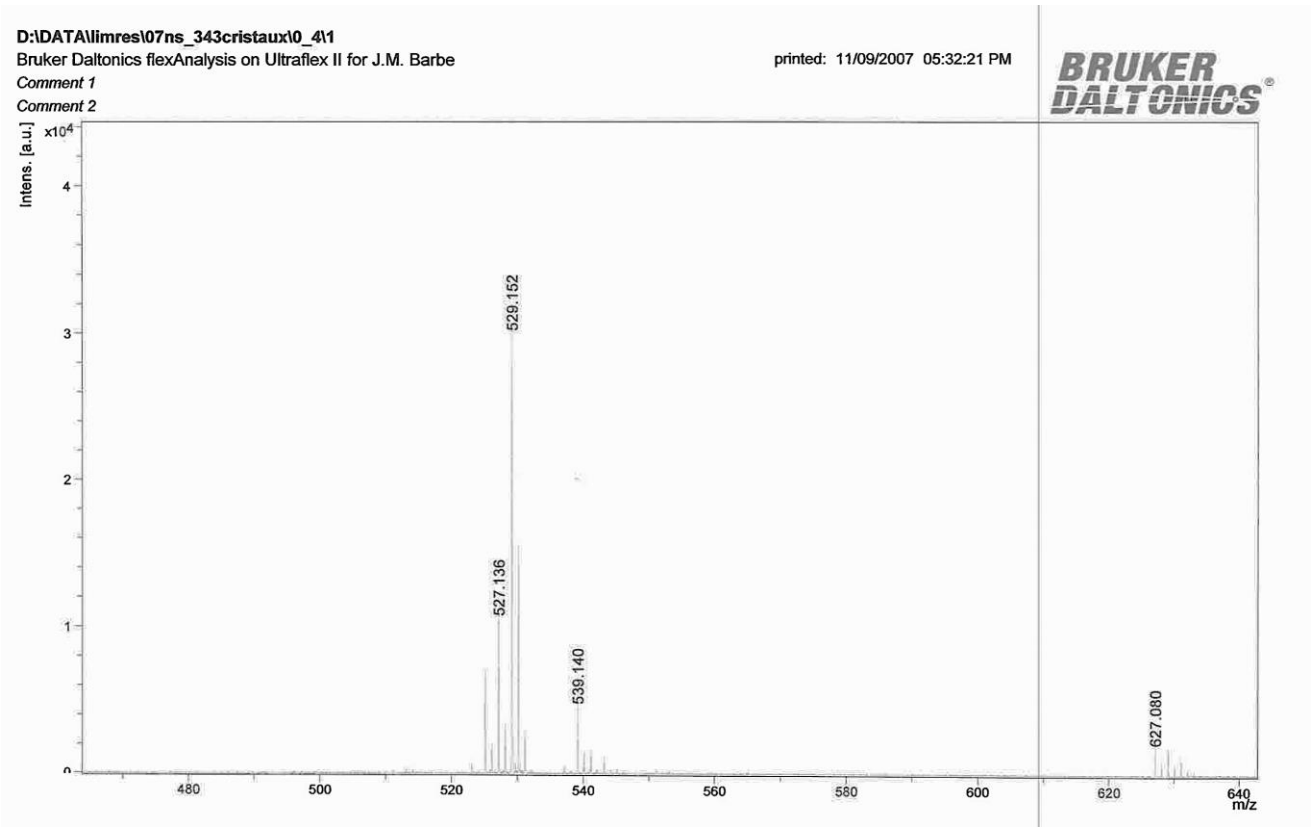

Figure 3: Mass spectrum of the mixture of compounds 2 a-c (HRMS-MALDI-TOF)

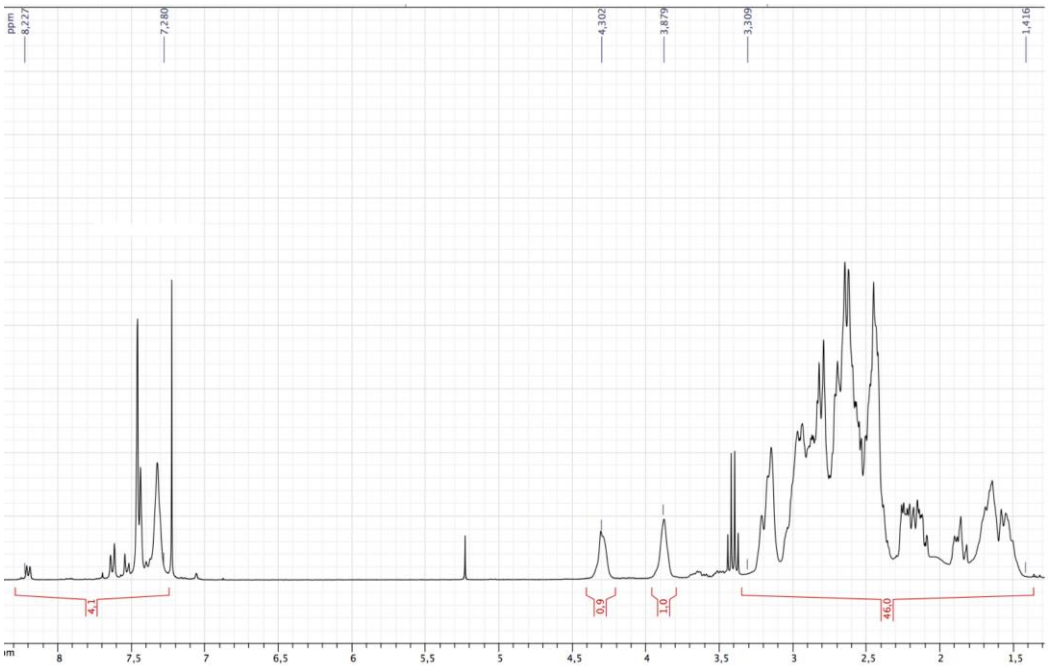

Figure 4: ^{1}H NMR of the mixture of compounds 3 a-c (300 MHz, $CDCl_3$, 300 K)

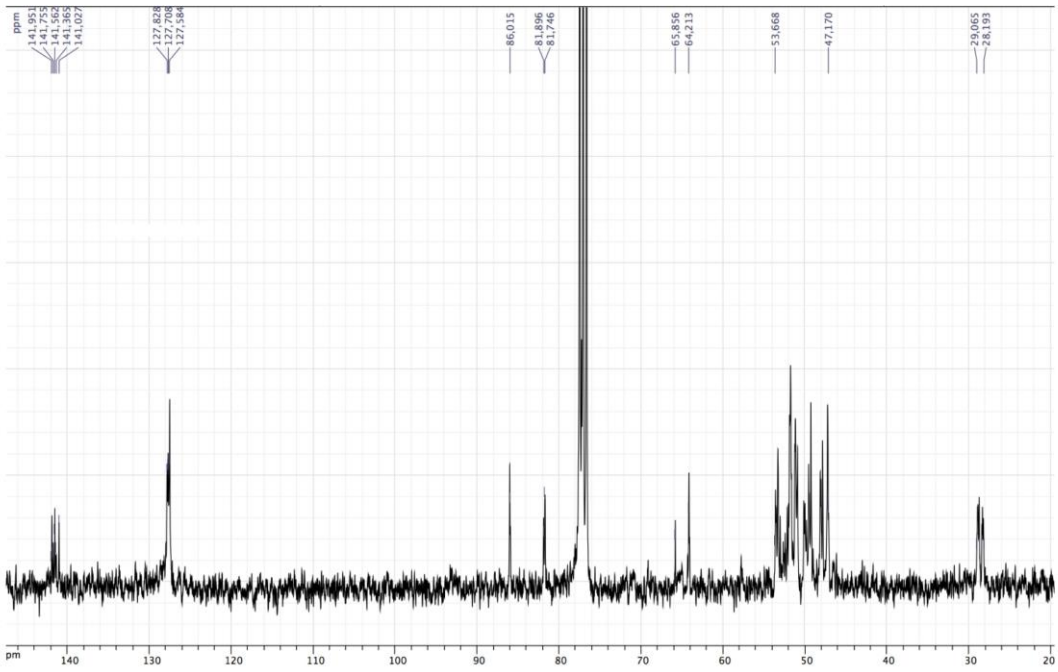

Figure 5: ^{13}C NMR of the mixture of compounds 3 a-c (75 MHz, $CDCl_3$, 300 K)

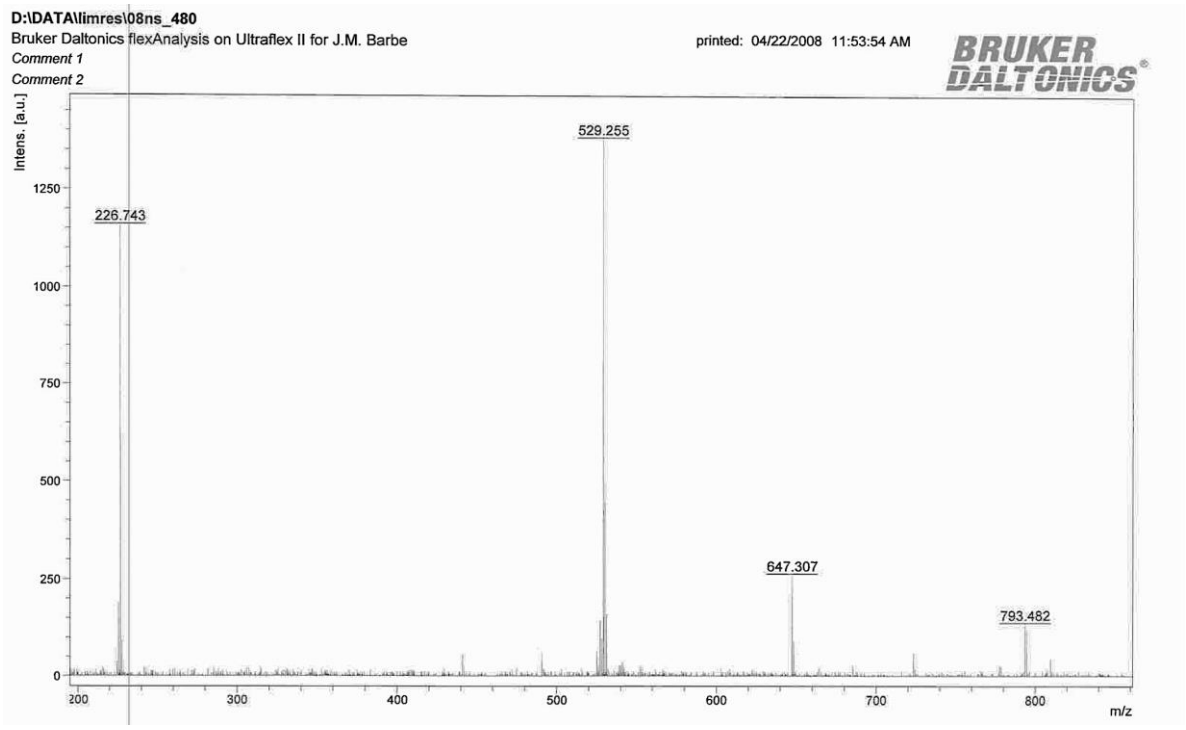

Figure 6: Mass spectrum of the mixture of compounds 3 a-c (HRMS-MALDI-TOF)

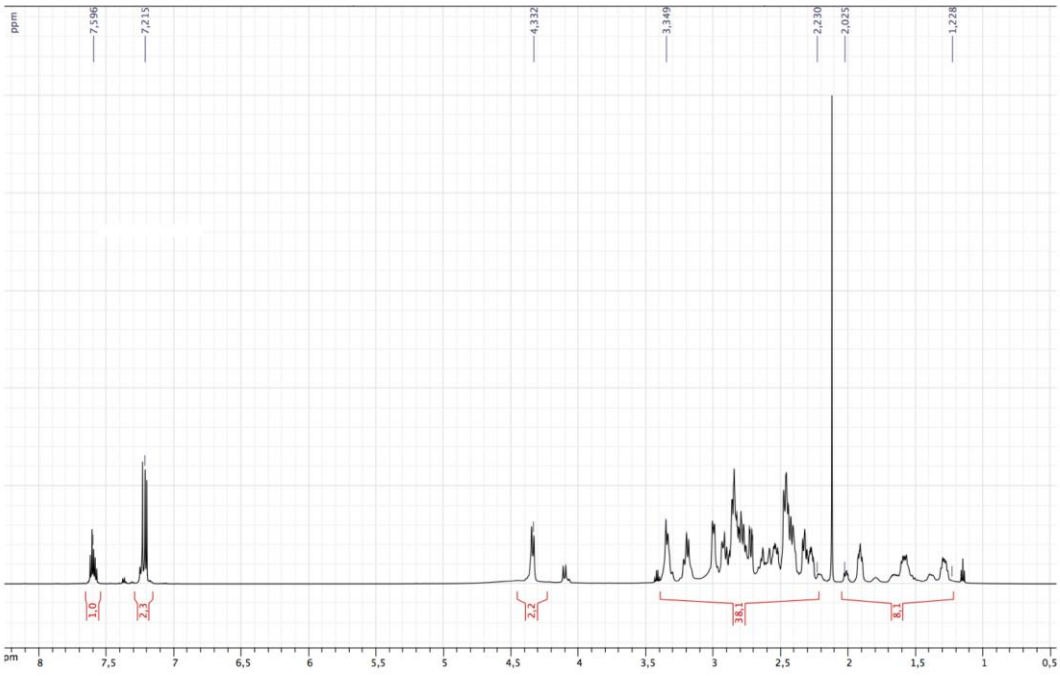

Figure 7: ^{1}H NMR of compound 4 a -c (300 MHz, CDCl3, 300 K)

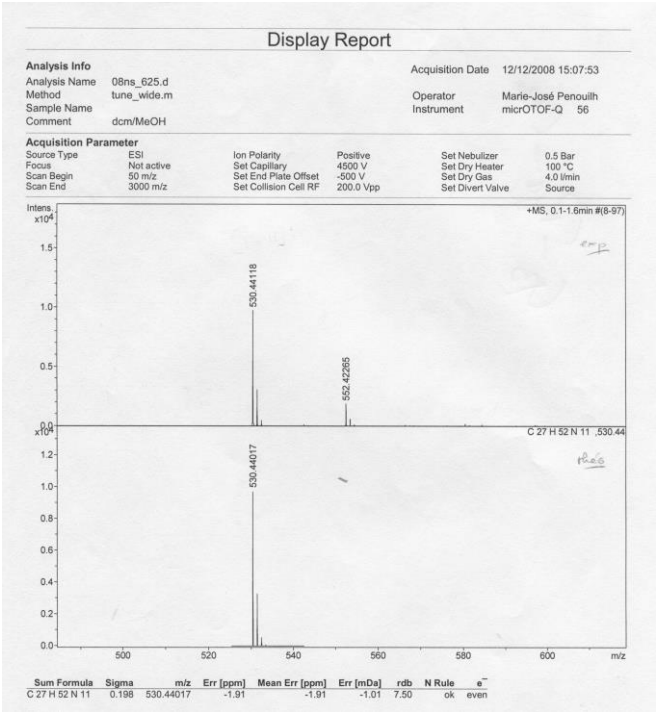

Figure 8: Mass spectrum of compound 4 a - c (ESI-TOF)

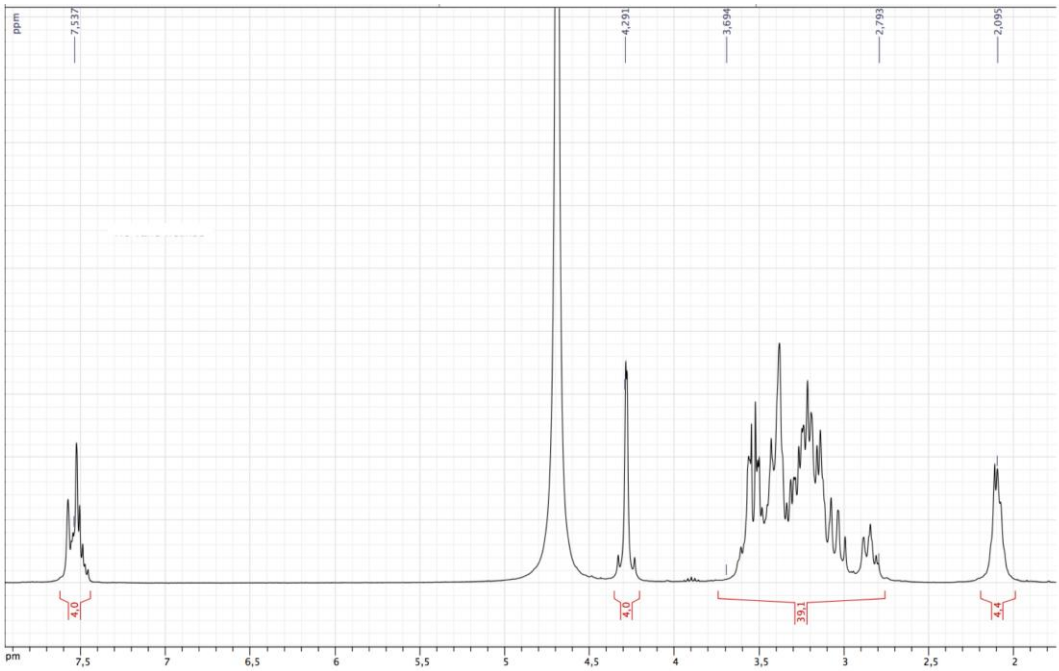

Figure 9: ^{1}H NMR of compound 5 (300 MHz, D_2O, 300 K)

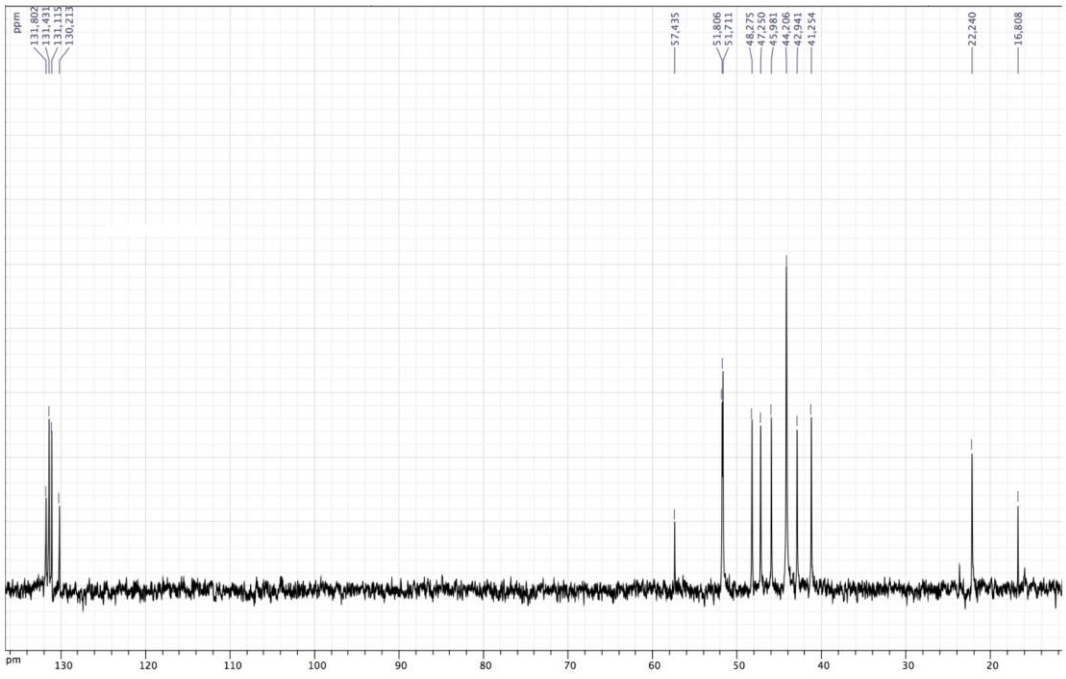

Figure 10: ^{13}C NMR of compound 5 (75 MHz, D_2O, 300 K)

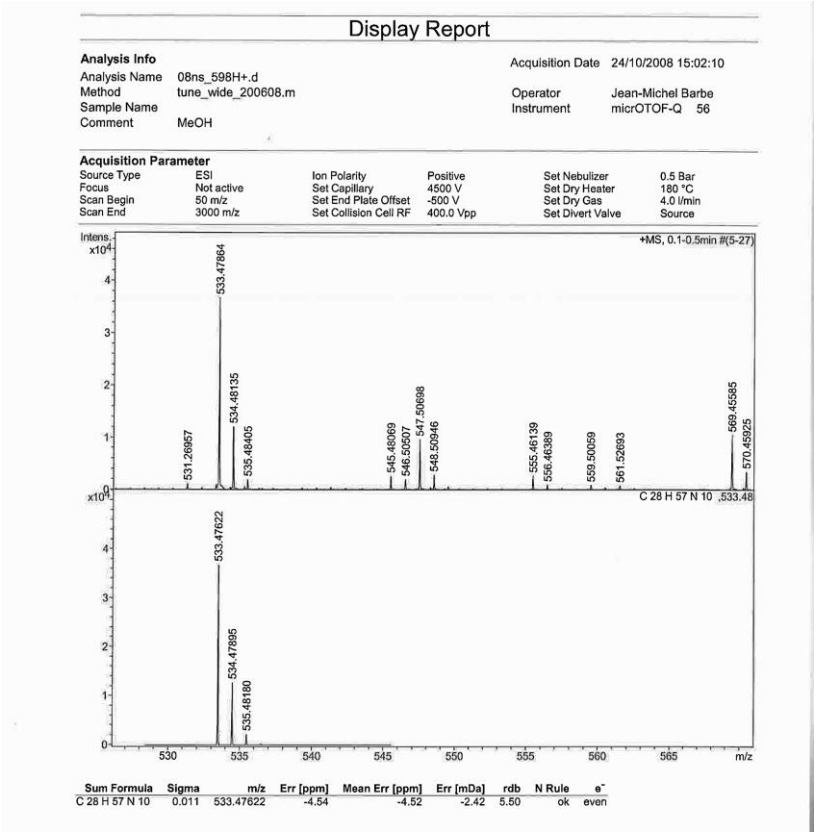

Figure 11: Mass spectrum of compound 5 (ESI-TOF)

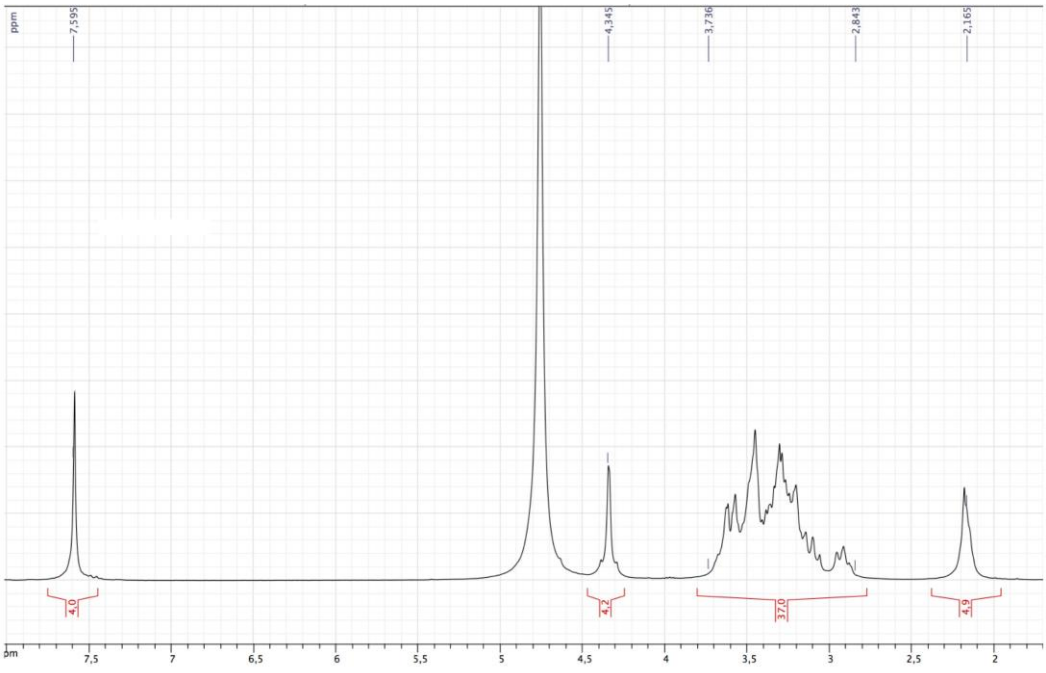

Figure 12: ^{1}H NMR of compound 6 (300 MHz, D_2O, 300 K)

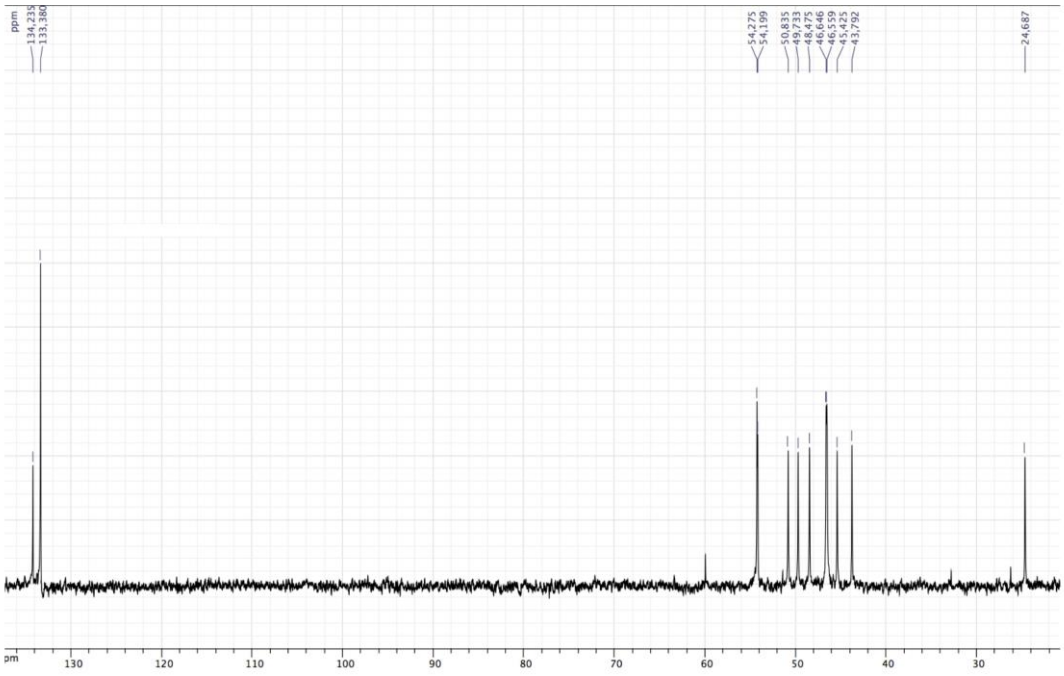

Figure 13: ^{13}C NMR of compound 6 (75 MHz, D_2O, 300 K)

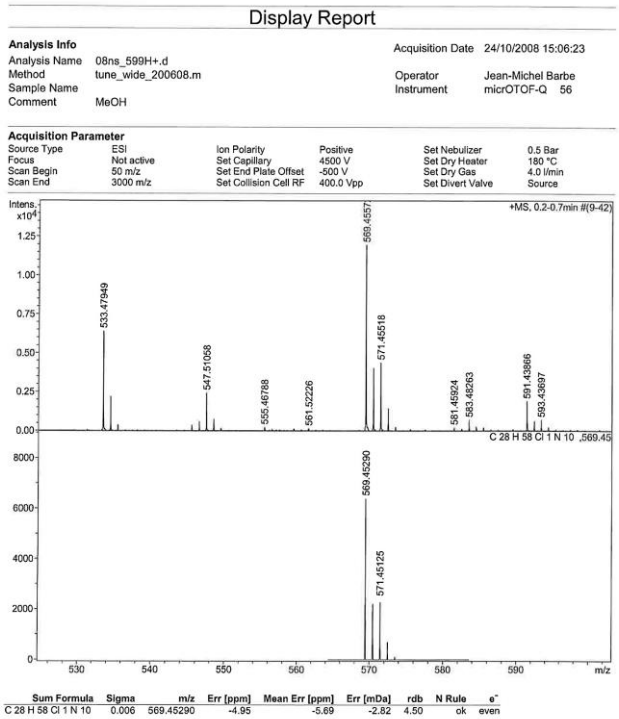

Figure 14: Mass spectrum of compound 6 (ESI-TOF)

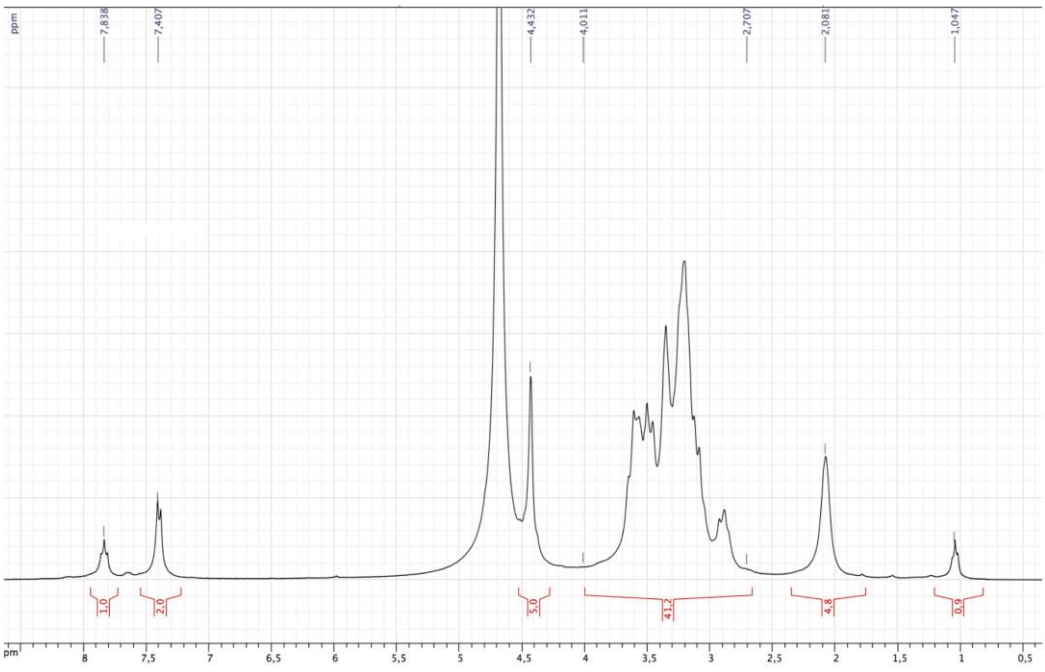

Figure 15: ^{1}H NMR of compound 7 (600 MHz, D_2O, 300 K)

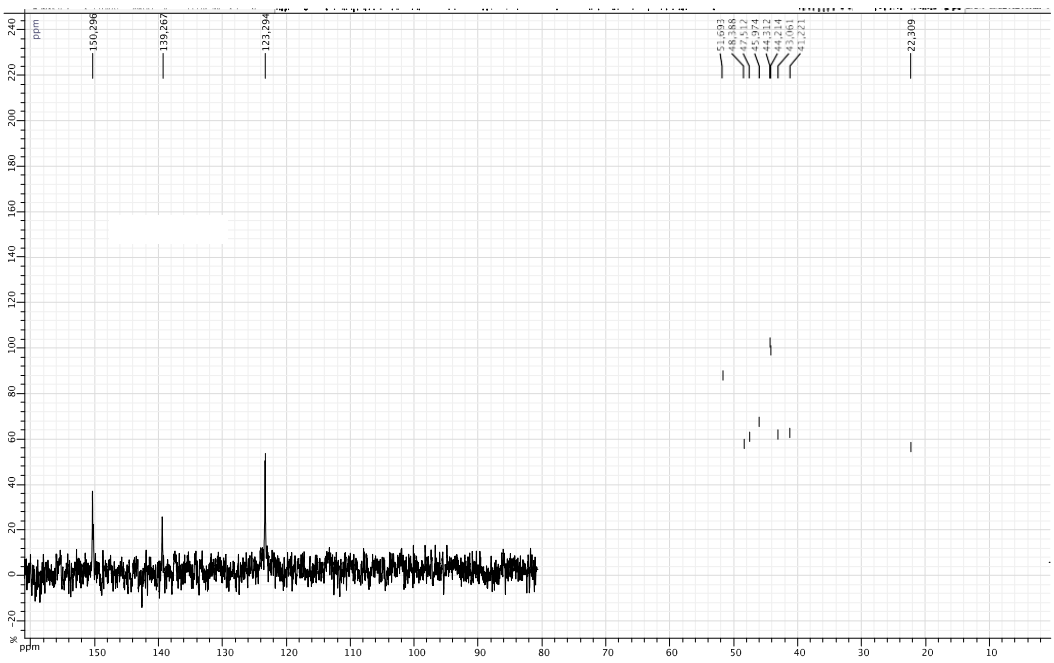

Figure 16: ^{13}C NMR of compound 7 (150 MHz, D_2O, 300 K)

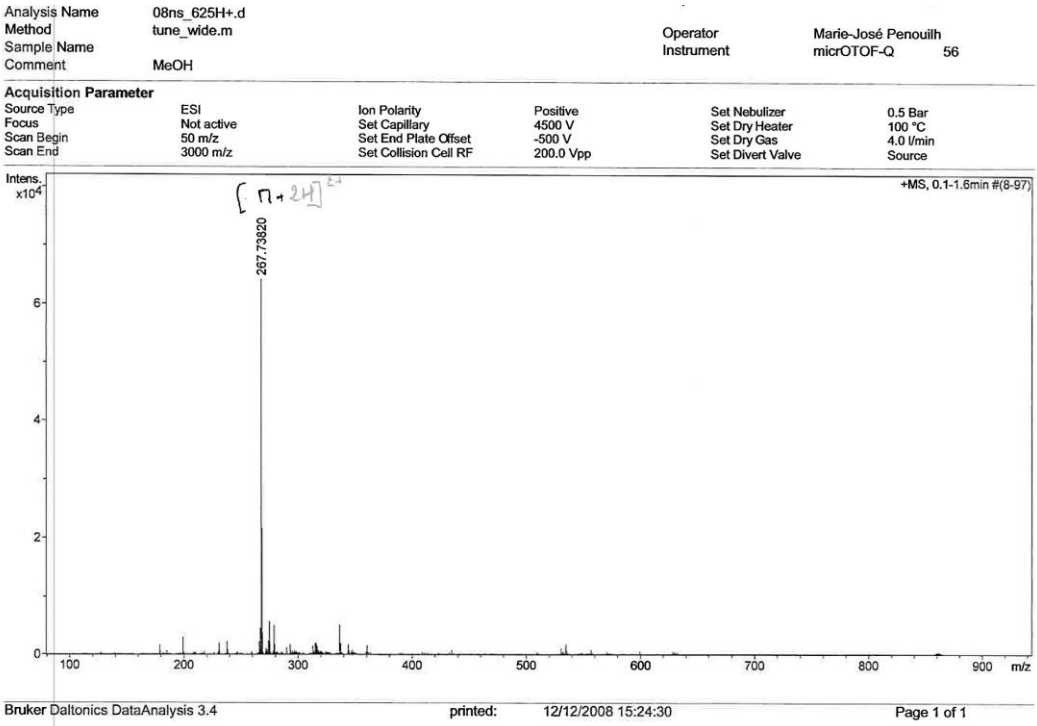

Figure 17: Mass spectrum of compound 7 (ESI-TOF)

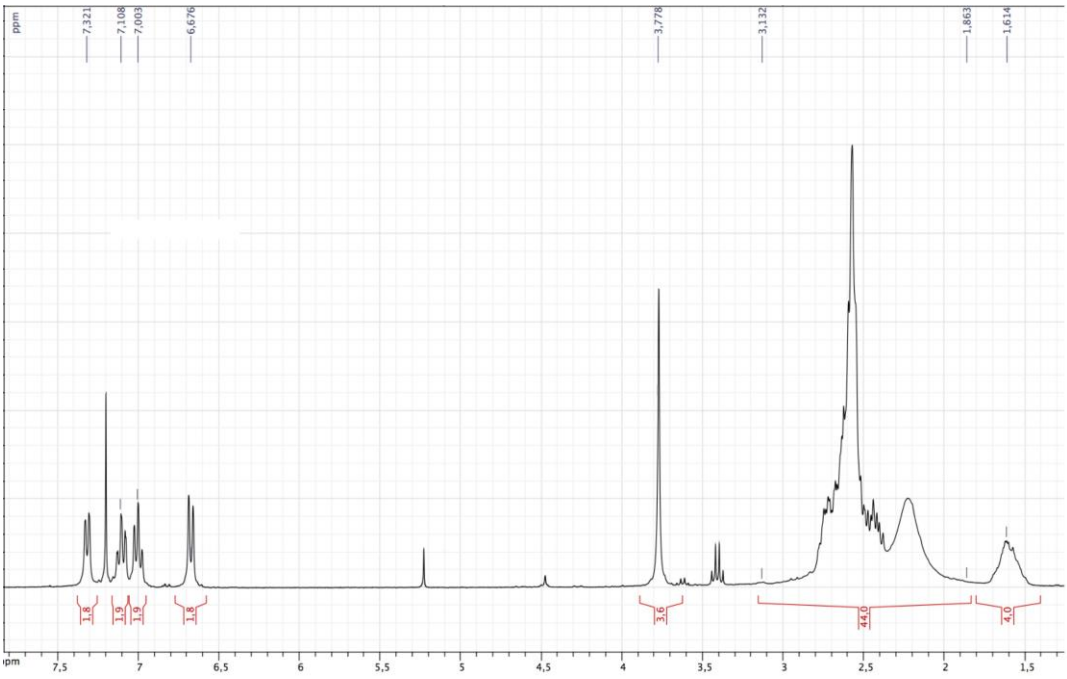

Figure 18: ^{1}H NMR of compound 8 (300 MHz, $CDCl_3$, 300 K)

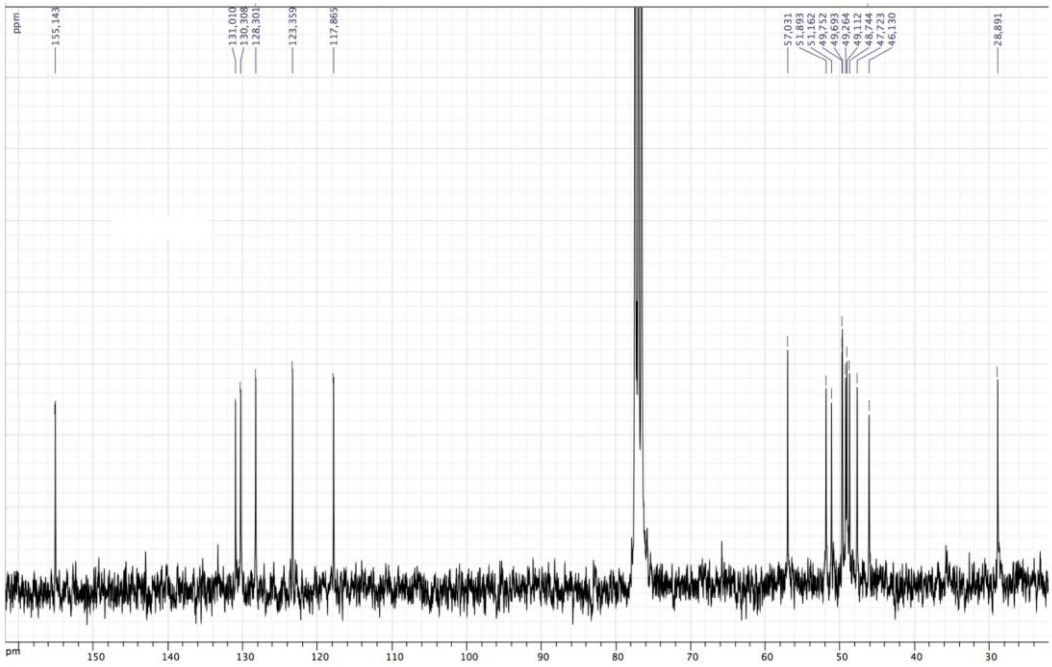

Figure 19: ^{13}C NMR of compound 8 (150 MHz, $CDCl_3$, 300 K)

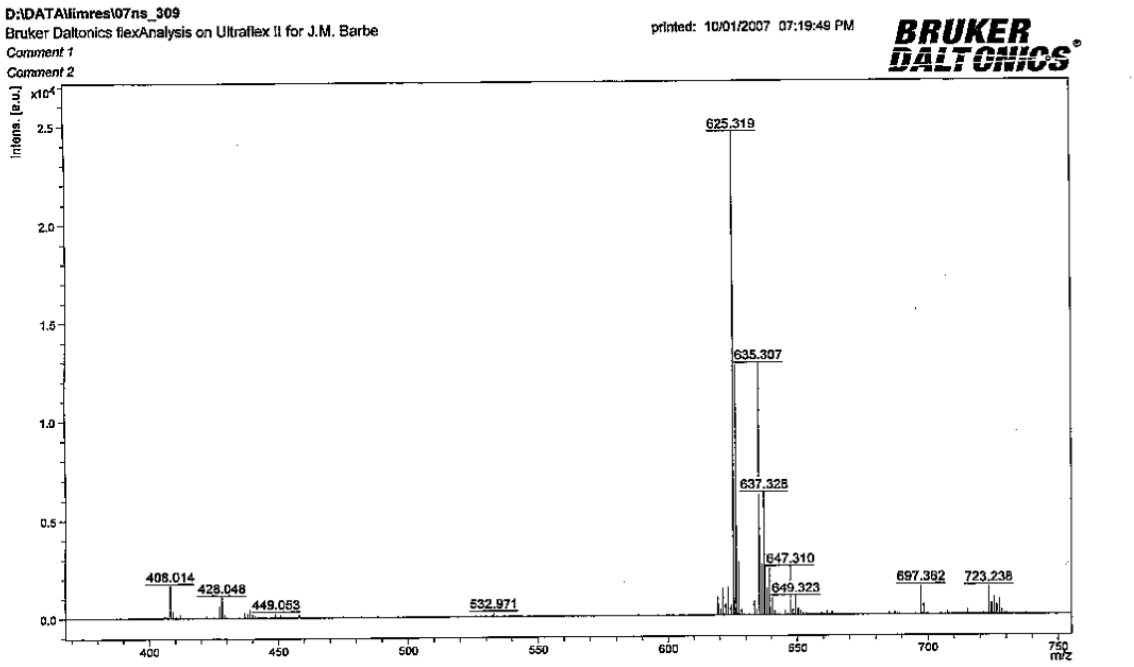

Figure 20: Mass spectrum of compound 8 (HRMS-MALDI-TOF)

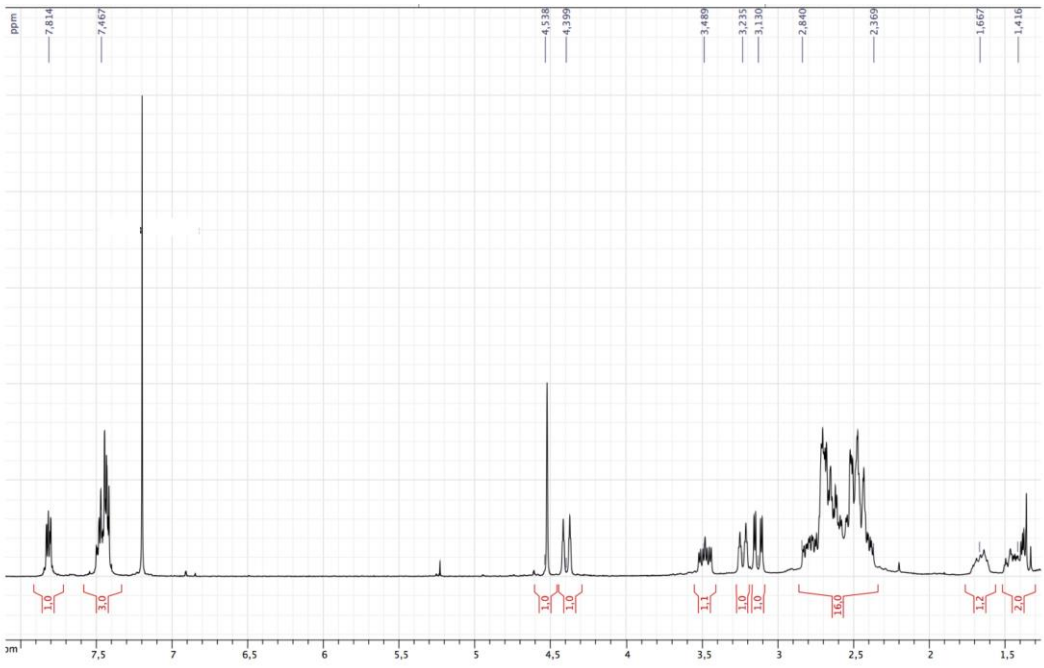

Figure 21: ^{1}H NMR of compound 9 (150 MHz, CDCl3, 300 K)

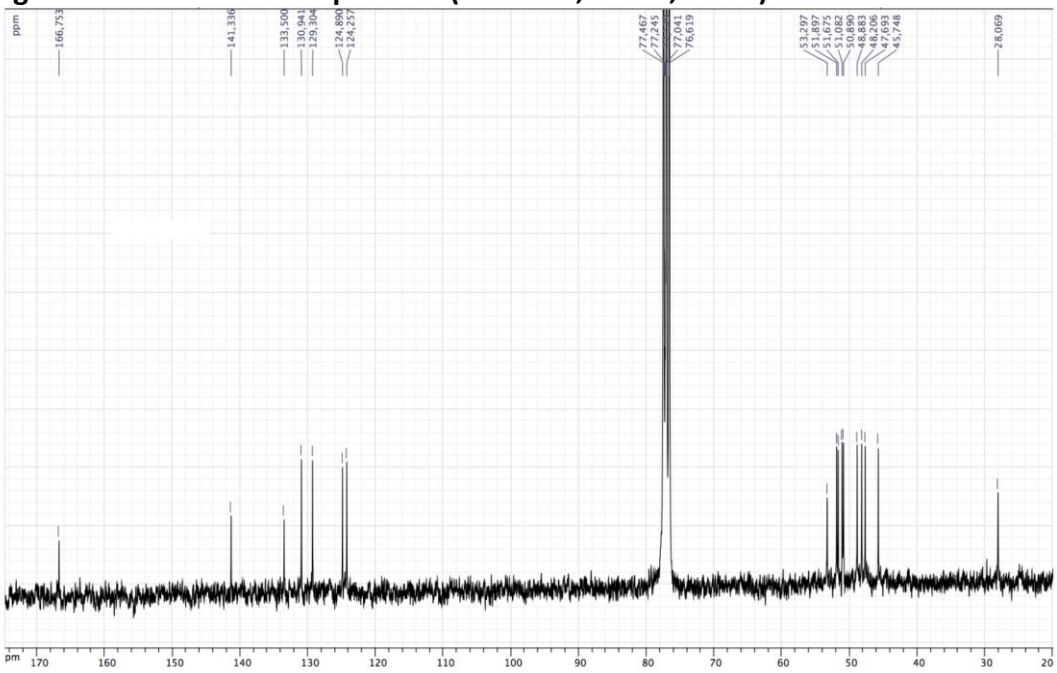

Figure 22: ^{13}C NMR of compound 9 (150 MHz, $CDCl_3$, 300 K)

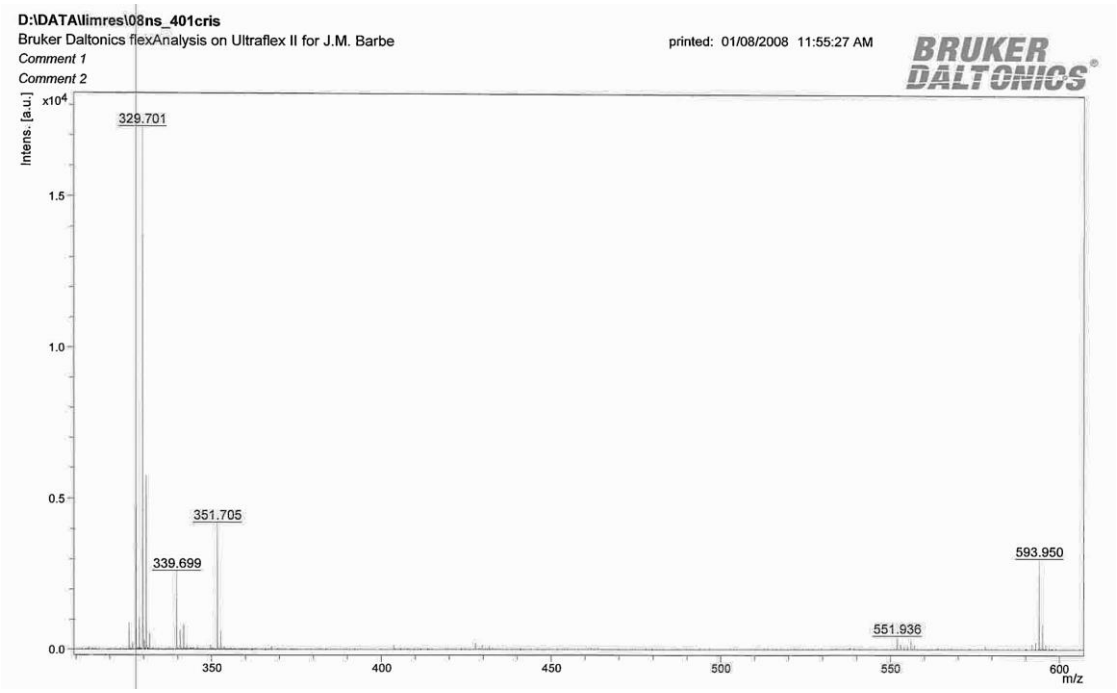

Figure 23: Mass spectrum of compound 9 (HRMS-MALDI-TOF)

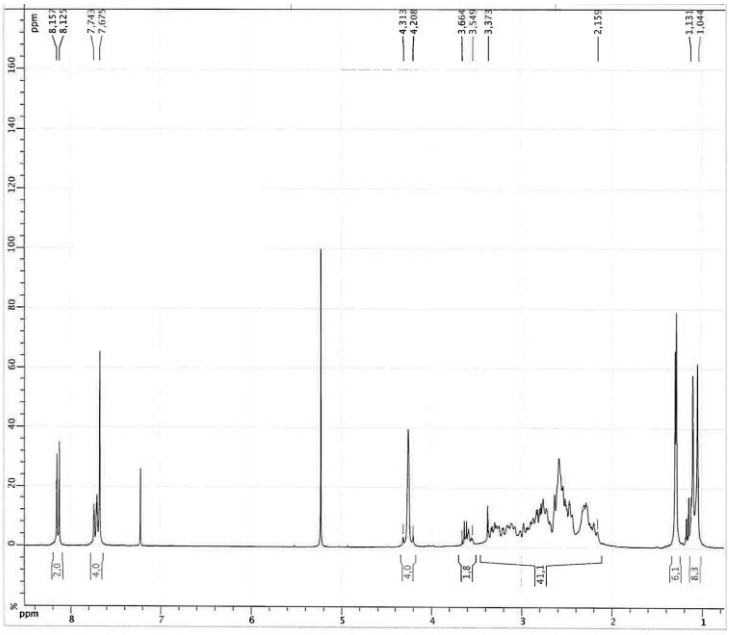

Figure 24: ^{1}H NMR of compound 11 (300 MHz, $CDCl_3$, 300 K)

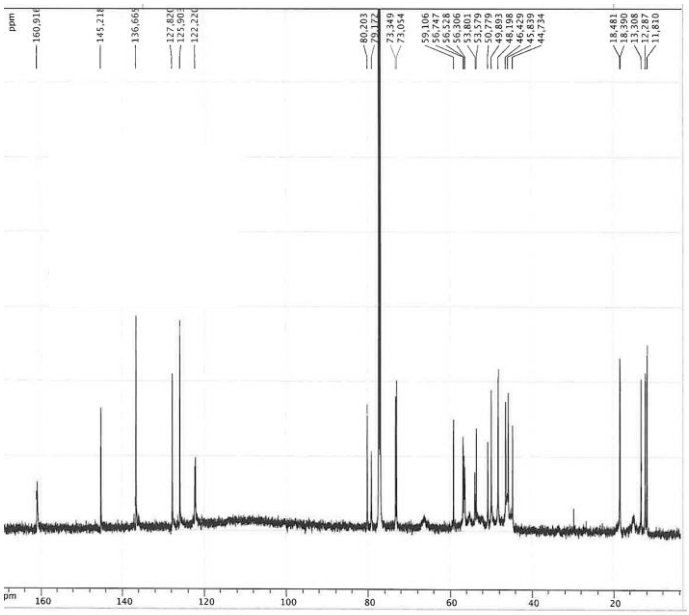

Figure 25: ^{13}C NMR of compound 11 (75 MHz, $CDCl_3$, 300 K)

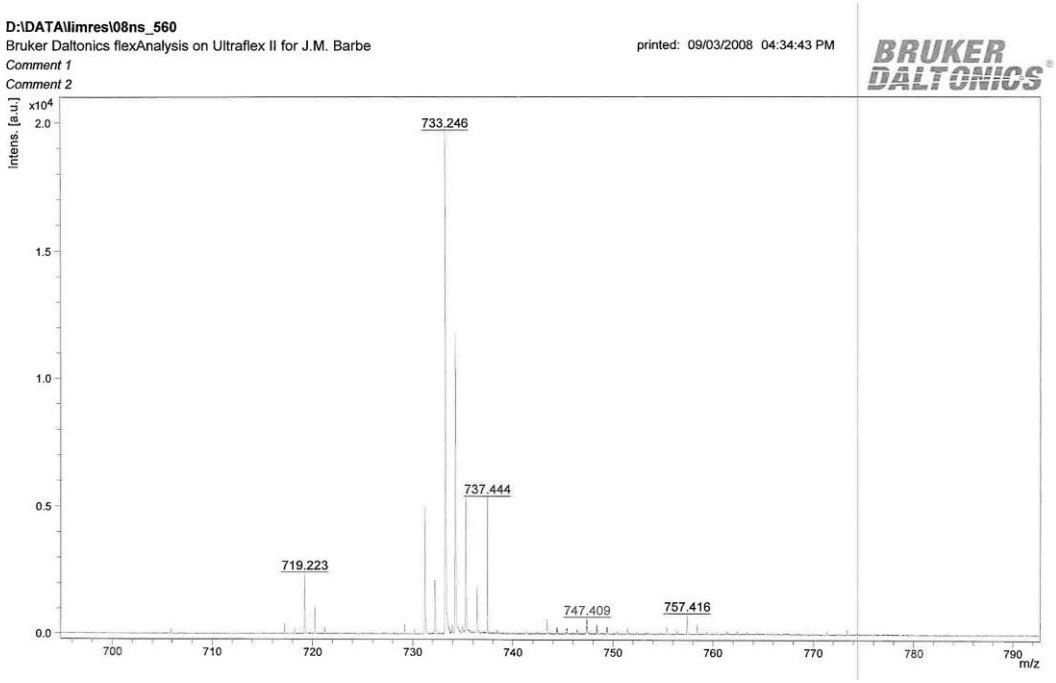

Figure 26: Mass spectrum of compound 11 (MALDI-TOF)

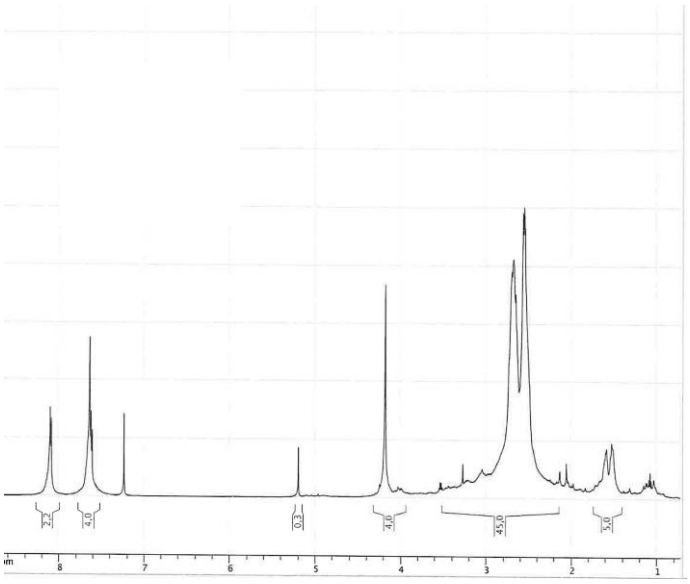

Figure 27: ^{1}H NMR of compound 12 (300 MHz, $CDCl_3$, 300 K)

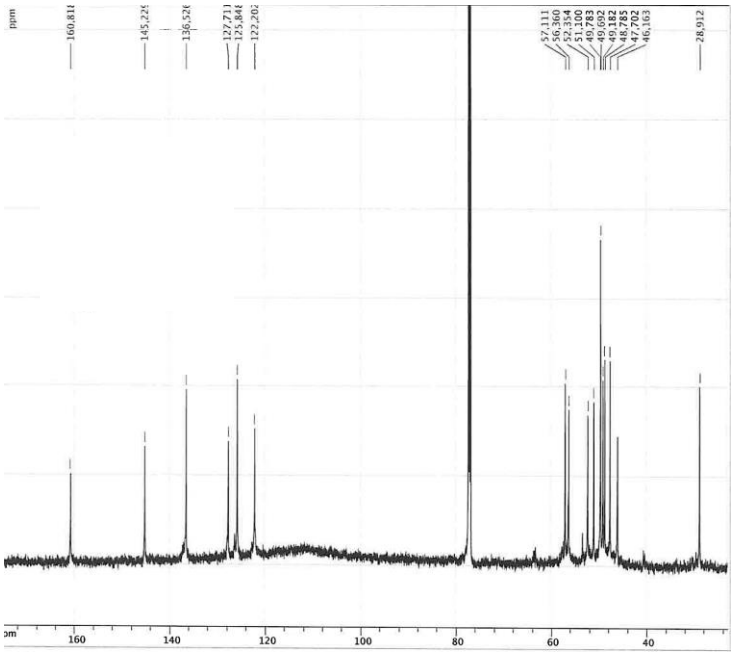

Figure 28: ^{13}C NMR of compound 12 (75 MHz, $CDCl_3$, 300 K)

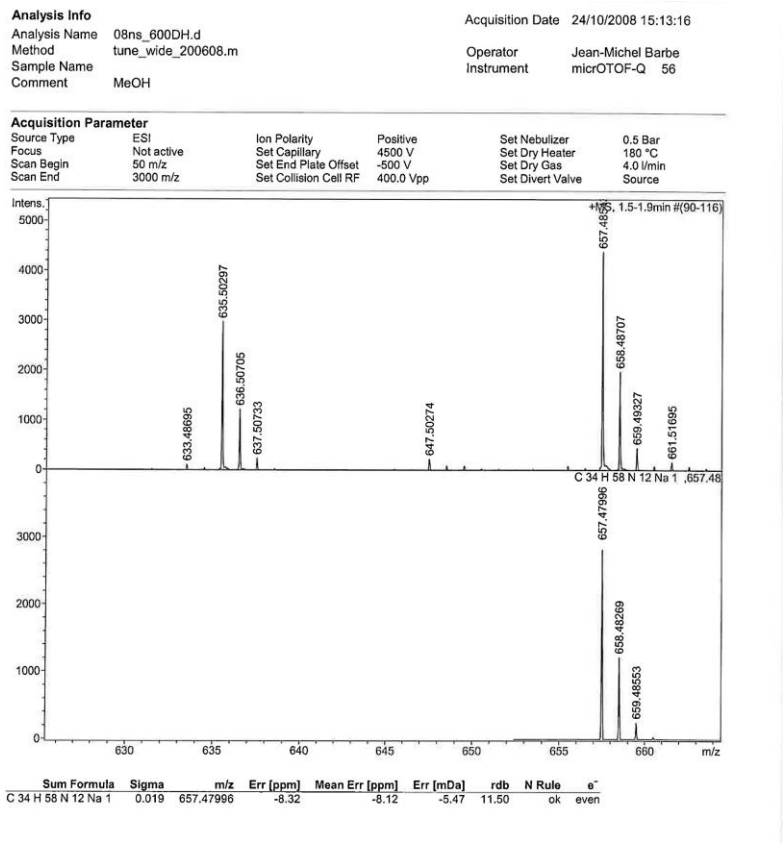

Figure 29: Mass spectrum of compound 12 (ESI-TOF)