SUPPORTING INFORMATION

Synthesis and Anti-*Saprolegnia* Activity of New 2′,4′-dihydroxydihydrochalcone Derivatives

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S.1 The Log *P* values calculated

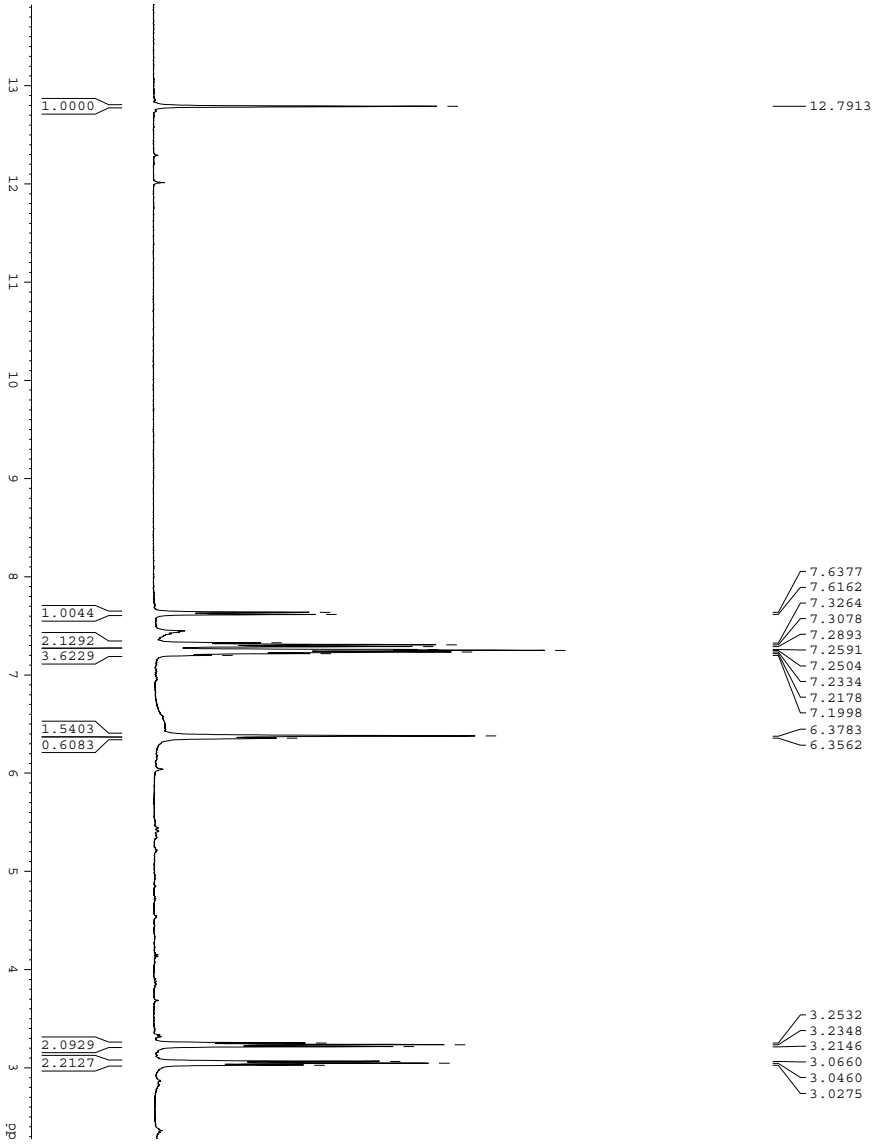
Table 1. The Log *P* values of compounds **2-9.**

Compound	Log *P*[a]
2	3.91 ± 0.28
3	4.33 ± 0.30
4	5.13 ± 0.31
5	5.68 ± 0.38
6	5.65 ± 0.37
7	6.21 ± 0.38
8	8.24 ± 0.40
9	10.28 ± 0.42

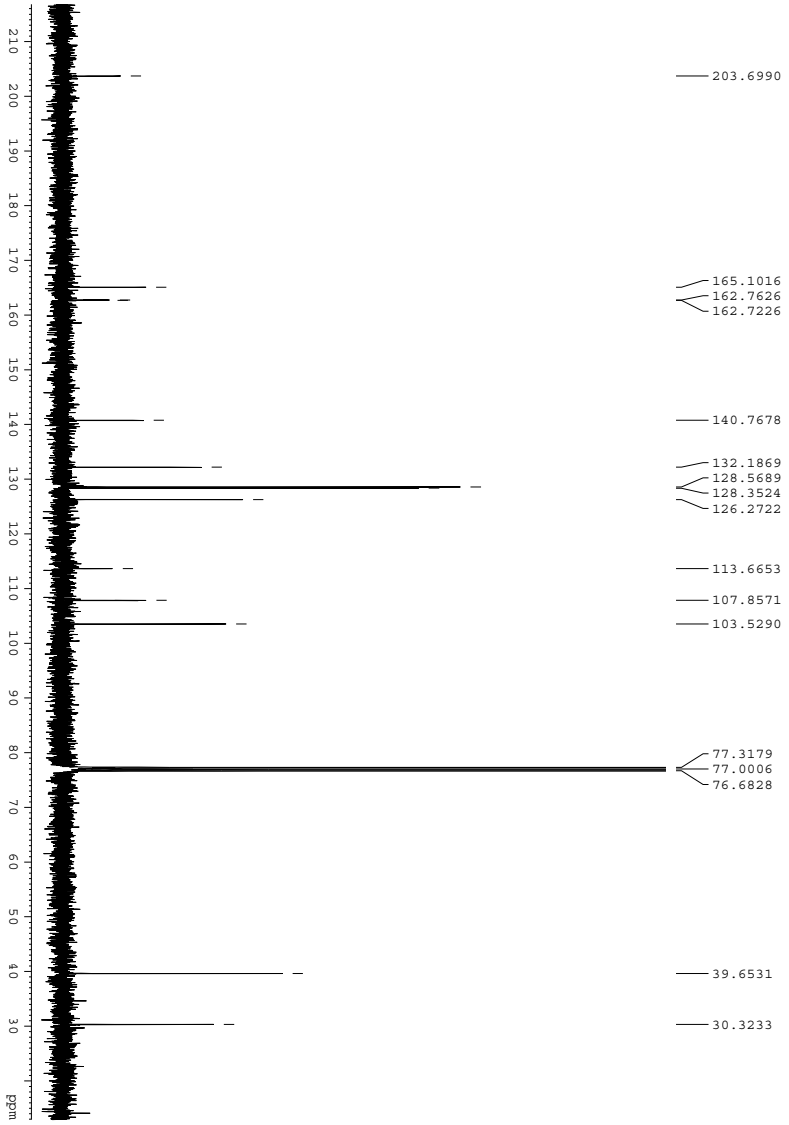
[a)] Predicted (log P) values were obtained by using the ACD/ChemSketch 10.0 (ACD/labs).

SpectraS1: ^{1}H, ^{13}C NMR of 3–9, and MS of compounds 4, 5, 6, 8 and 9.

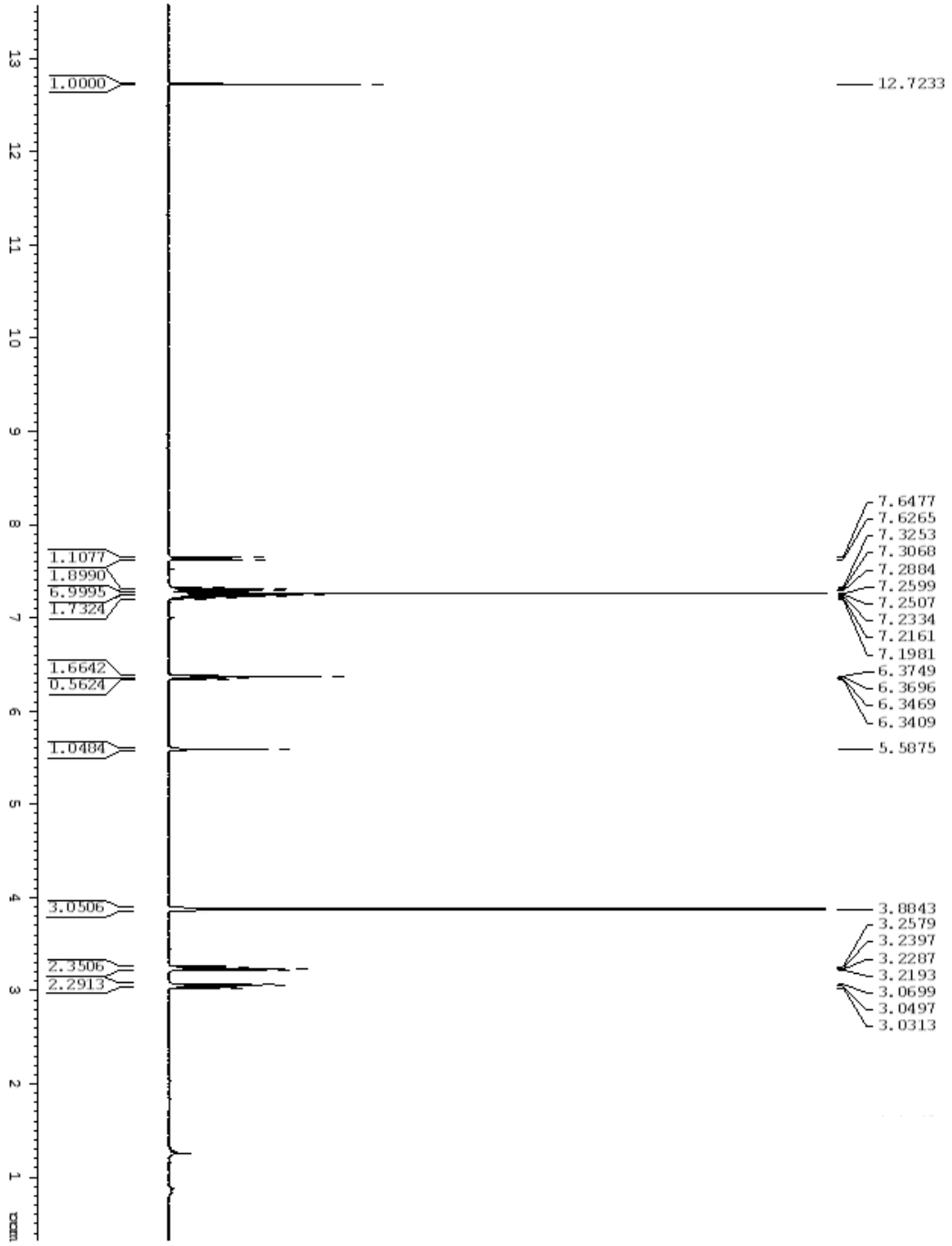
^{1}H NMR (400 MHz, $CDCl_3$) spectrum of compound 2.



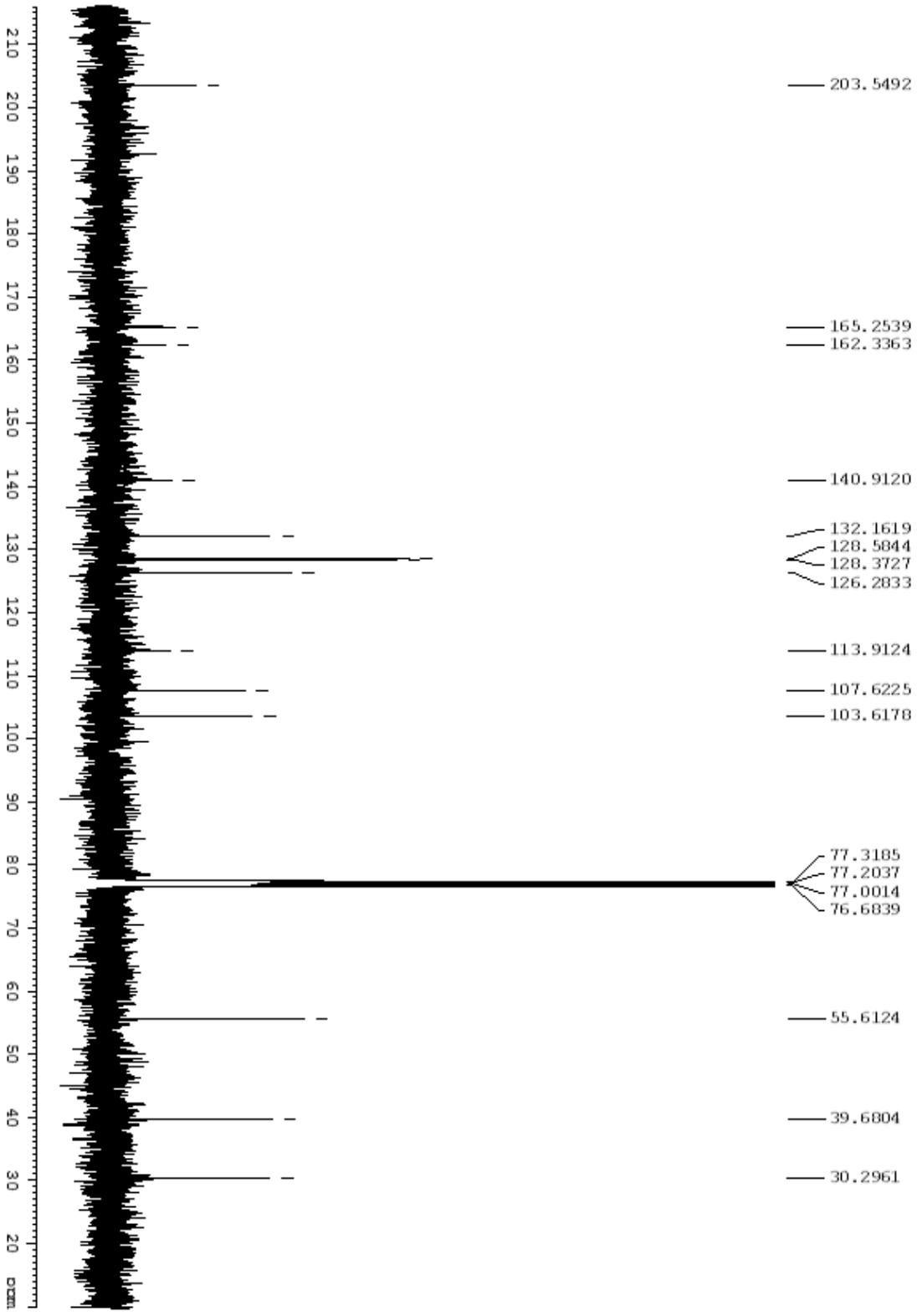
^{13}C NMR (100 MHz, $CDCl_3$) spectrum of compound 2



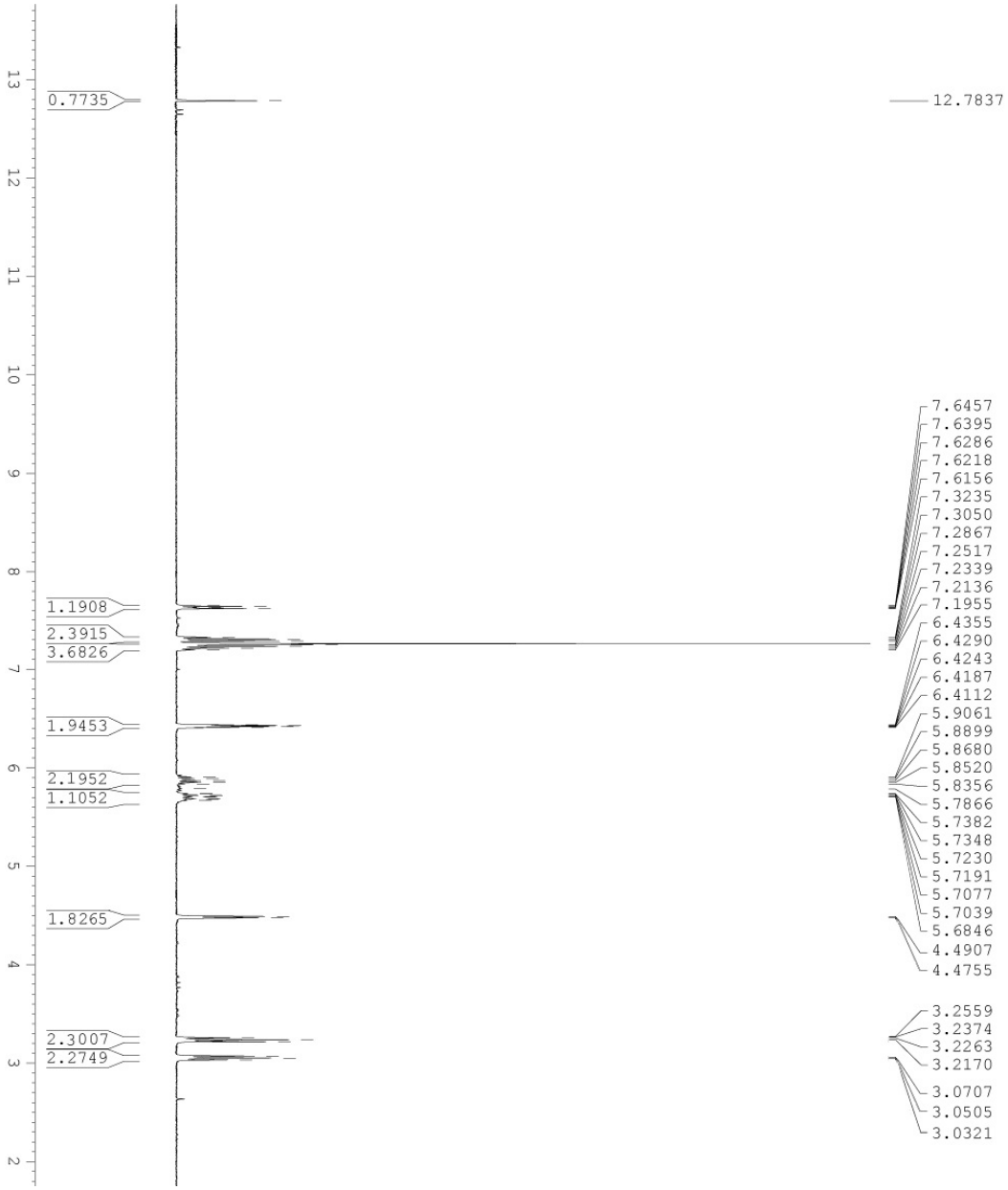
^{1}H NMR (400 MHz, $CDCl_3$) spectrum of compound 3



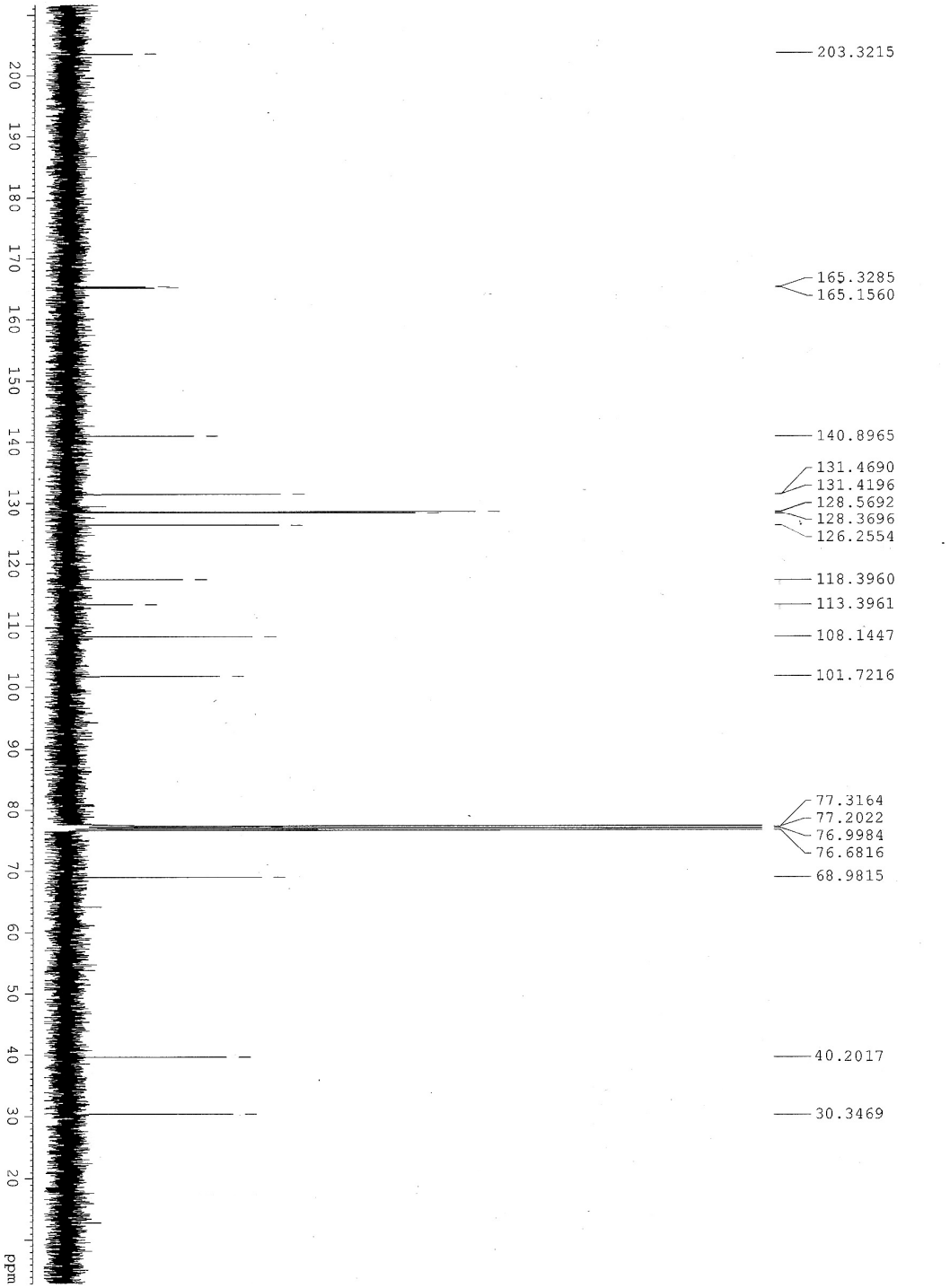
^{13}C NMR (100 MHz, $CDCl_3$) spectrum of compound 3



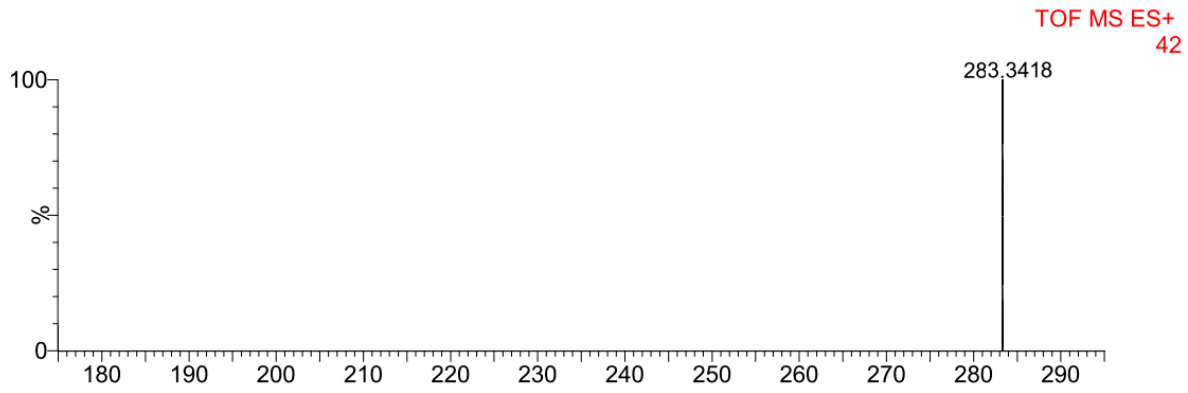
^{1}H NMR (400 MHz, $CDCl_3$) spectrum of compound 4



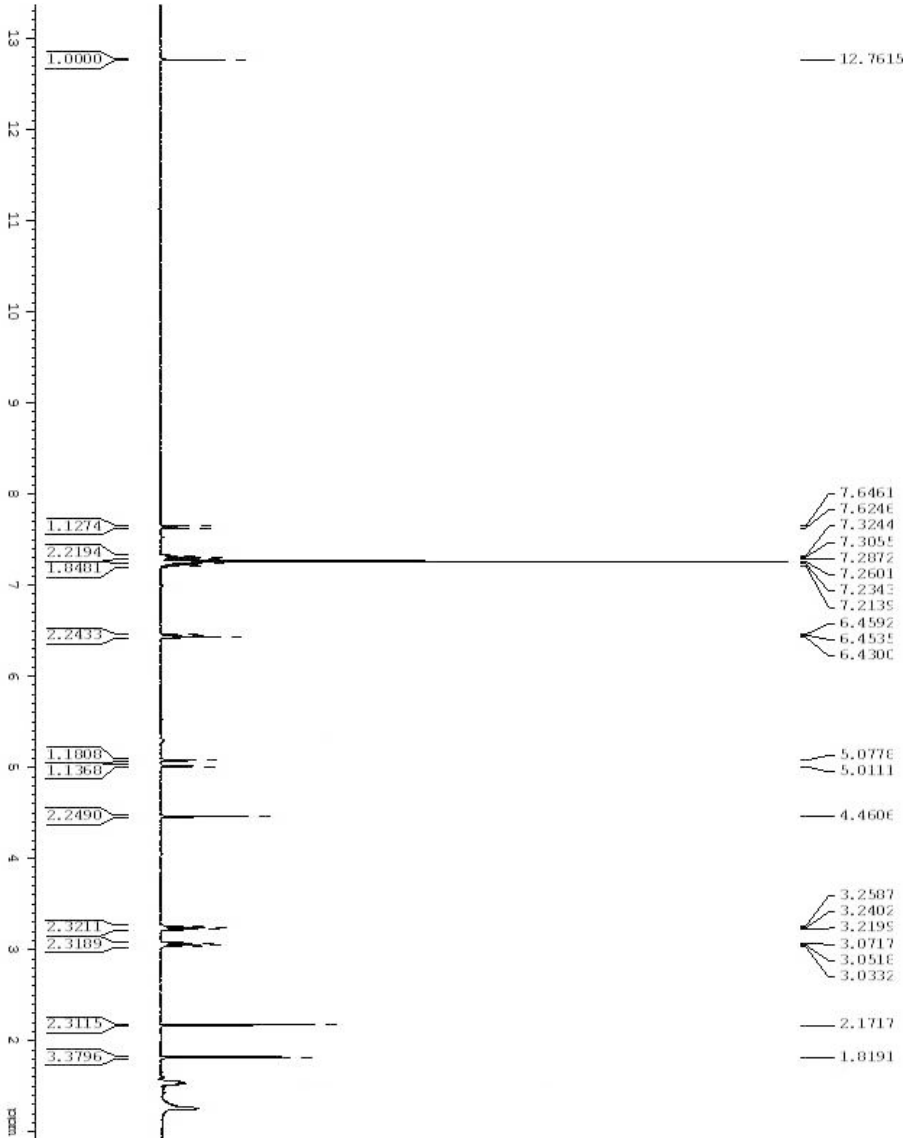
^{13}C NMR (100 MHz, $CDCl_3$) spectrum of compound 4



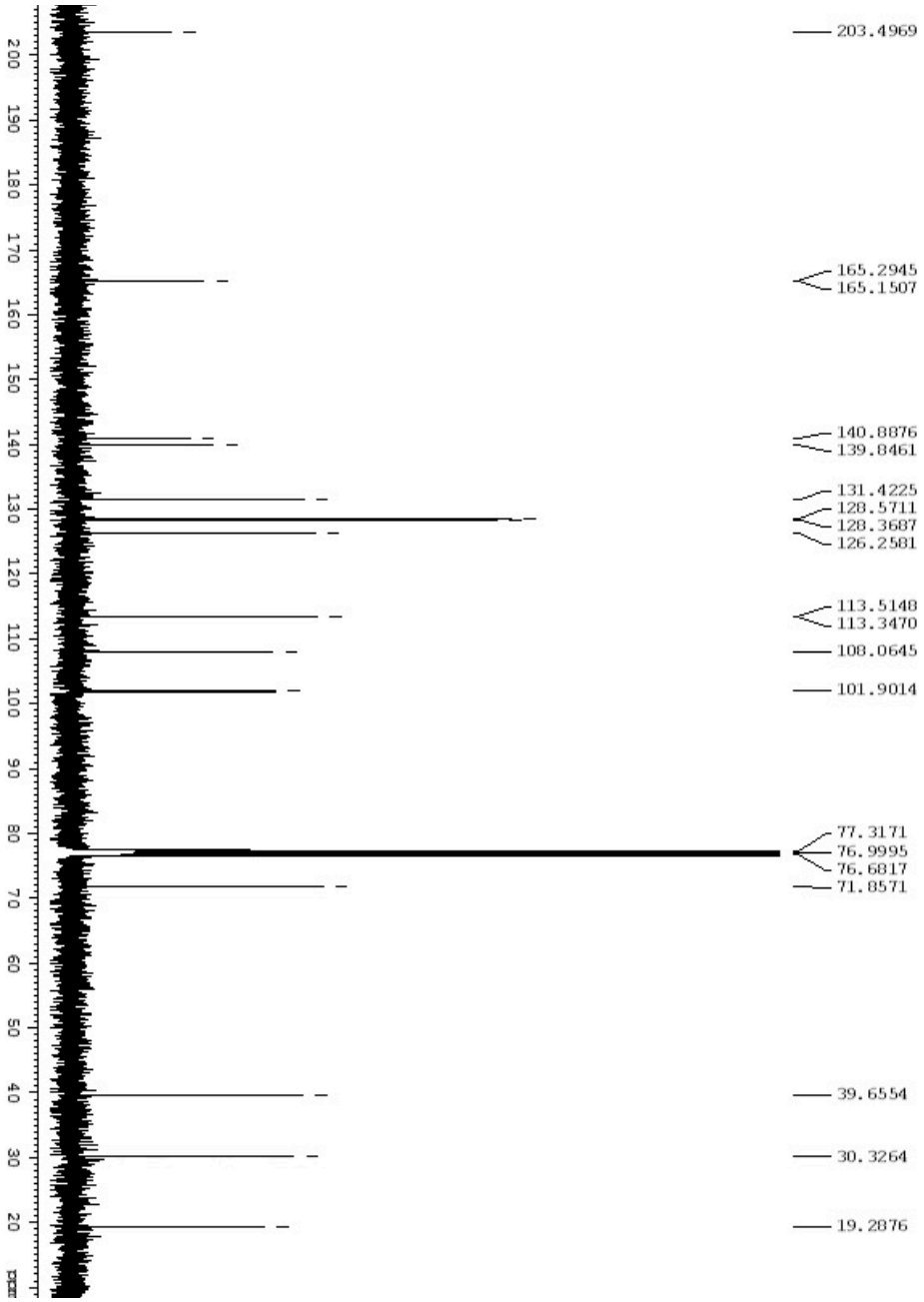
Mass of compound 4



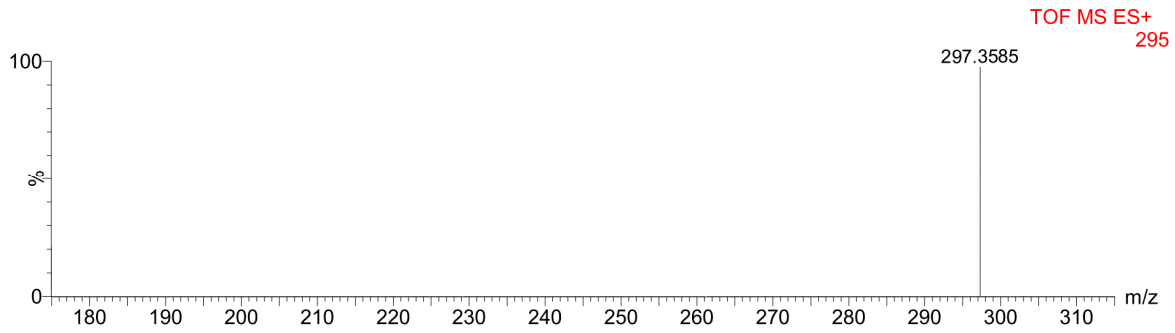
^{1}H NMR (400 MHz, $CDCl_3$) spectrum of compound 5



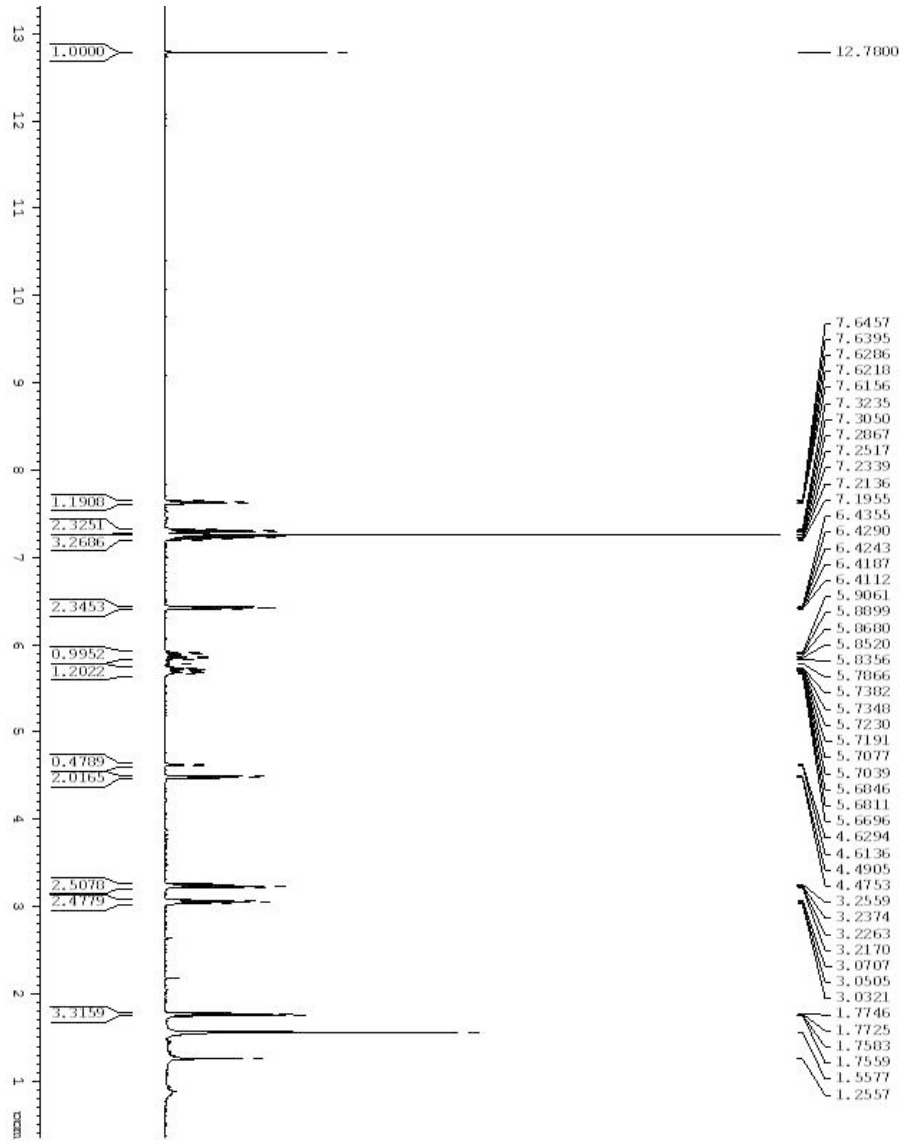
^{13}C NMR (100 MHz, $CDCl_3$) spectrum of compound 5



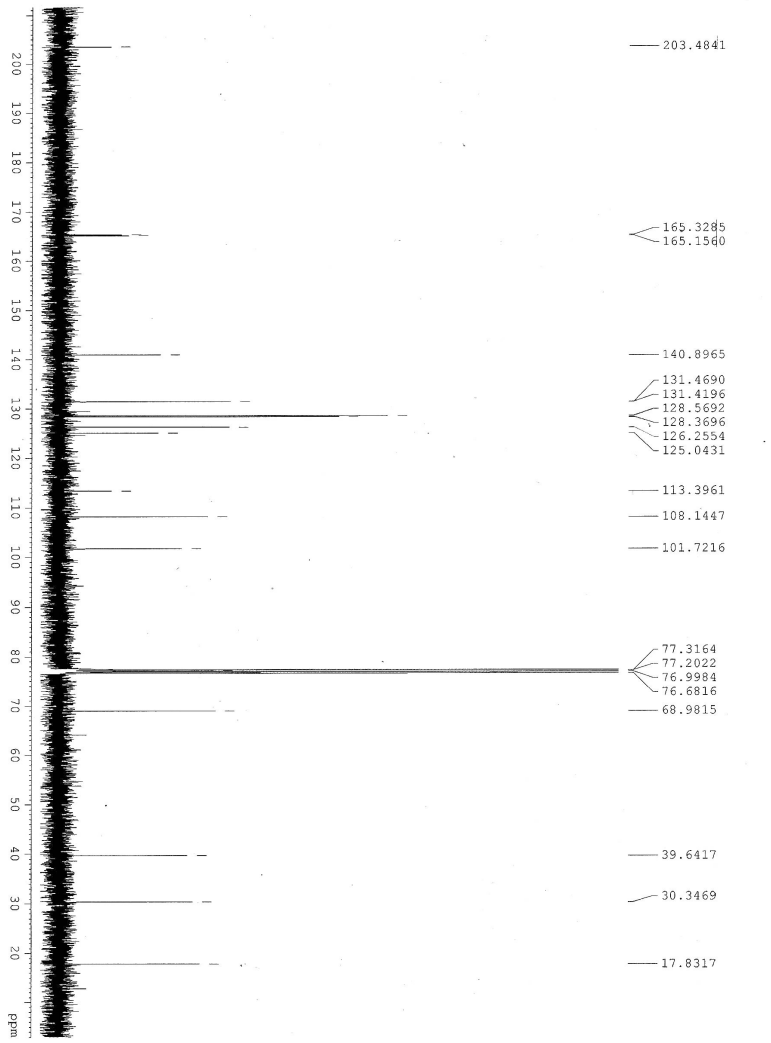
Mass of compound 5



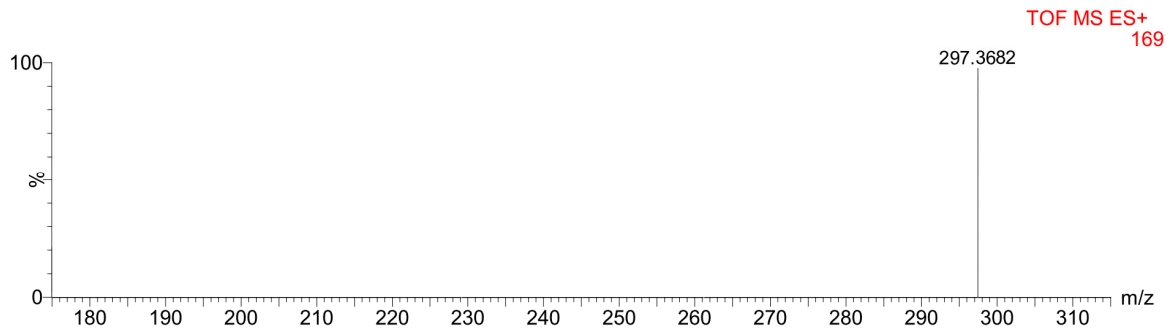
^{1}H NMR (400 MHz, $CDCl_3$) spectrum of compound 6



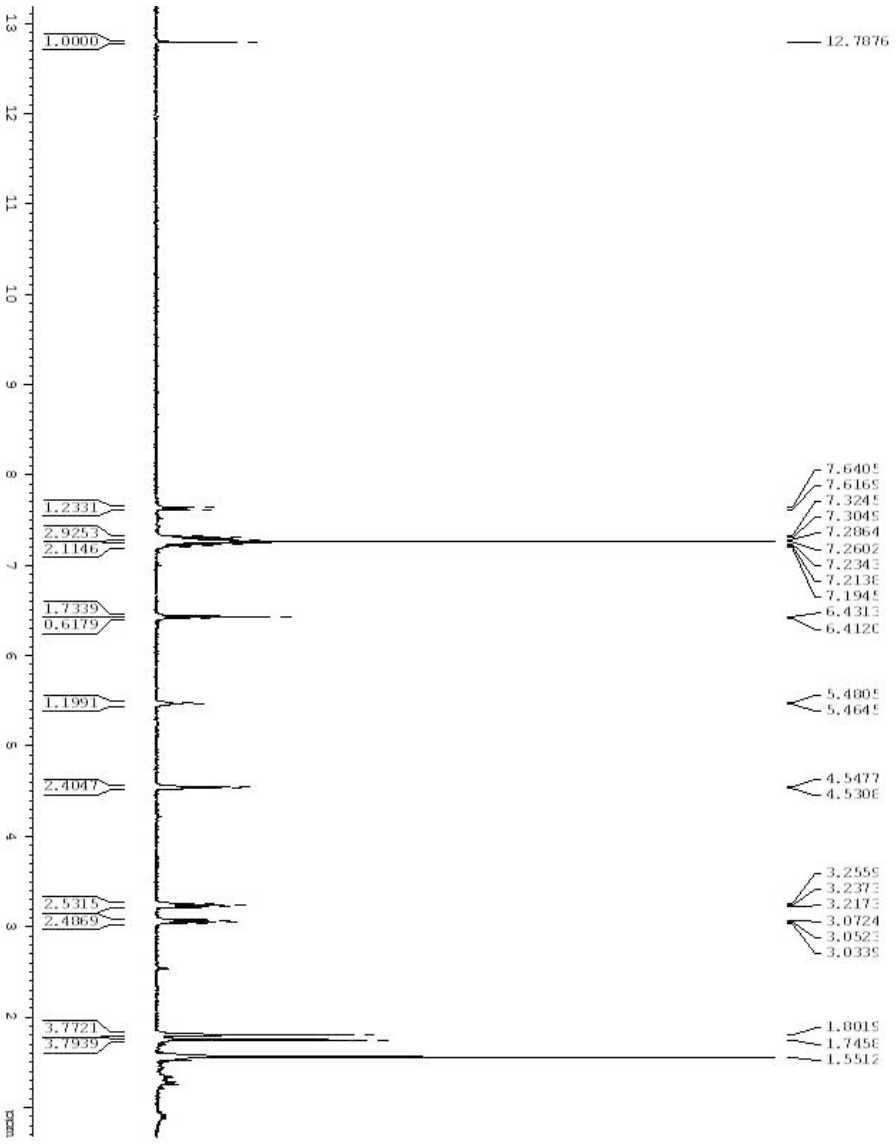
^{13}C NMR (100 MHz, $CDCl_3$) spectrum of compound 6



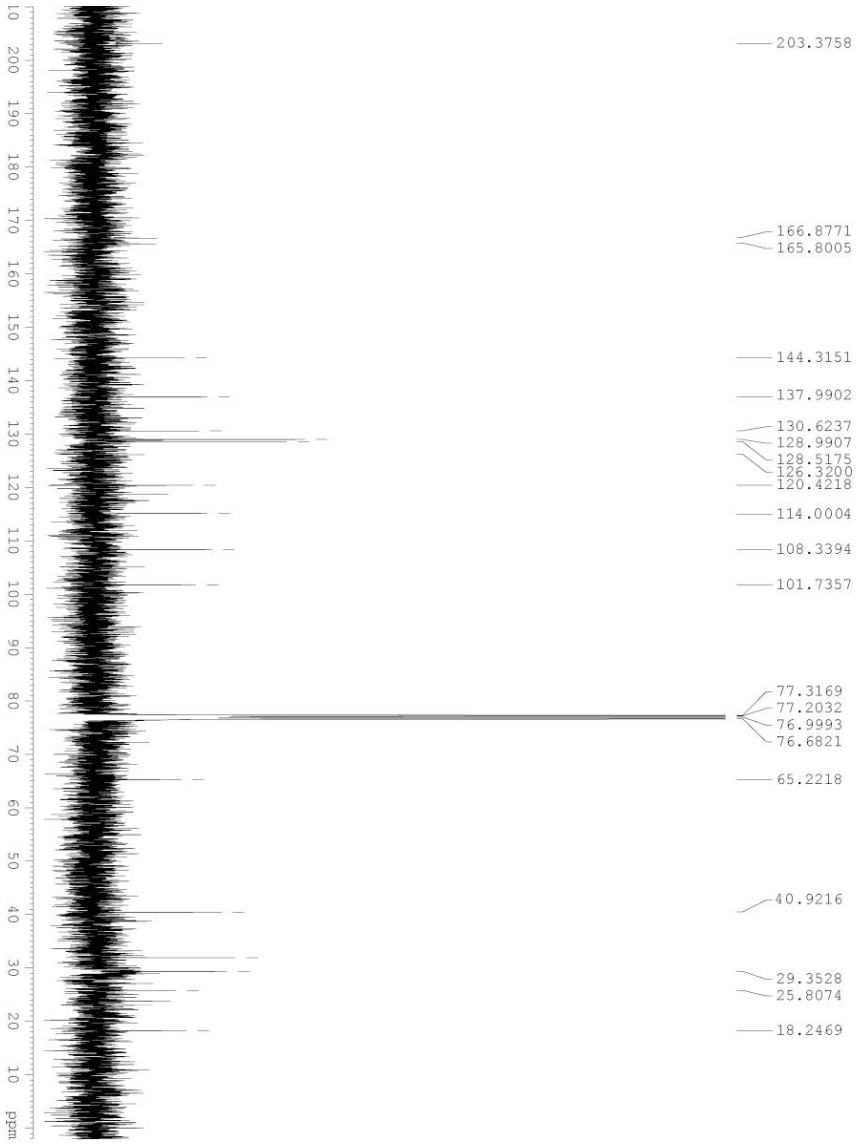
Mass of compound 6



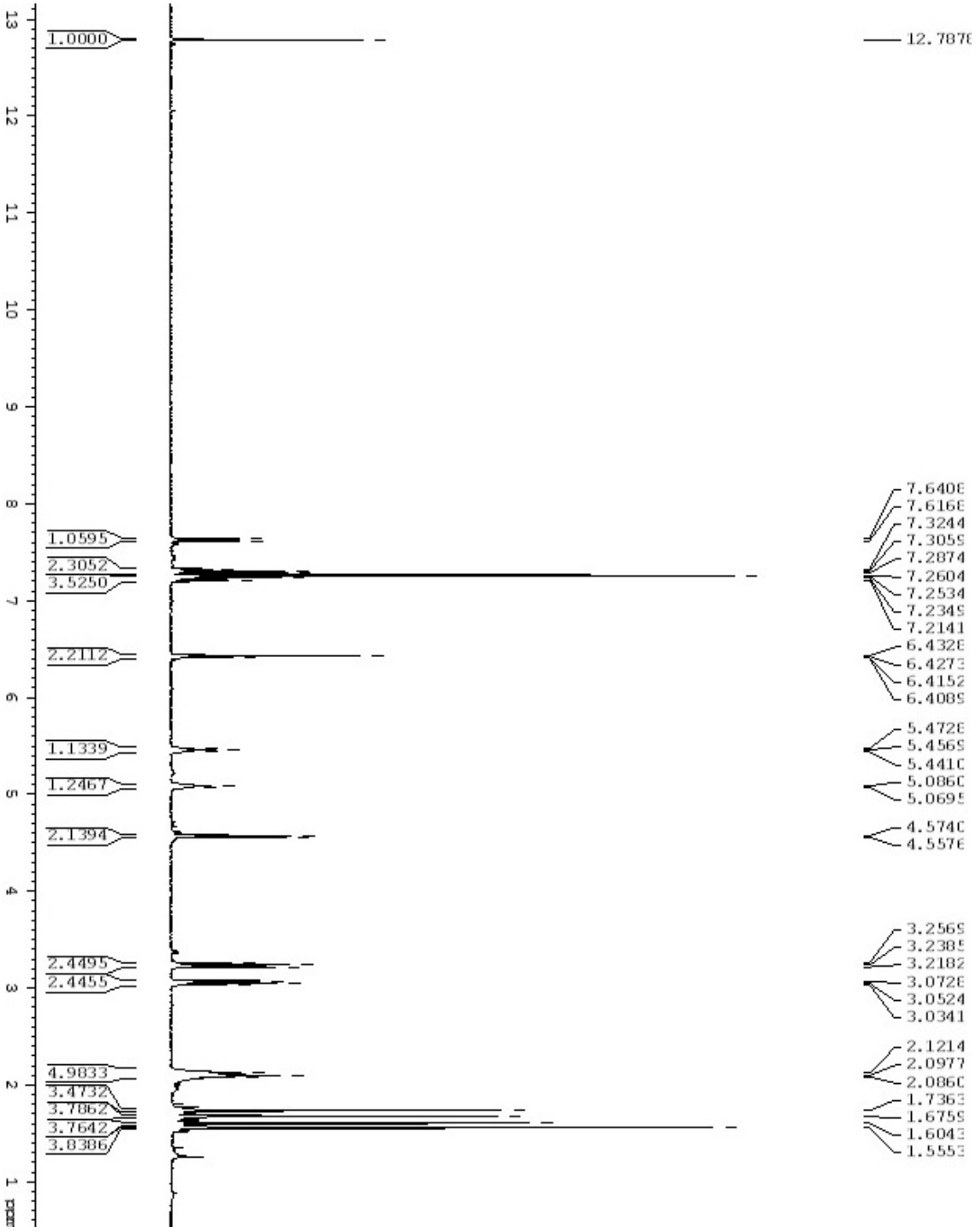
^{1}H NMR (400 MHz, $CDCl_3$) spectrum of compound 7



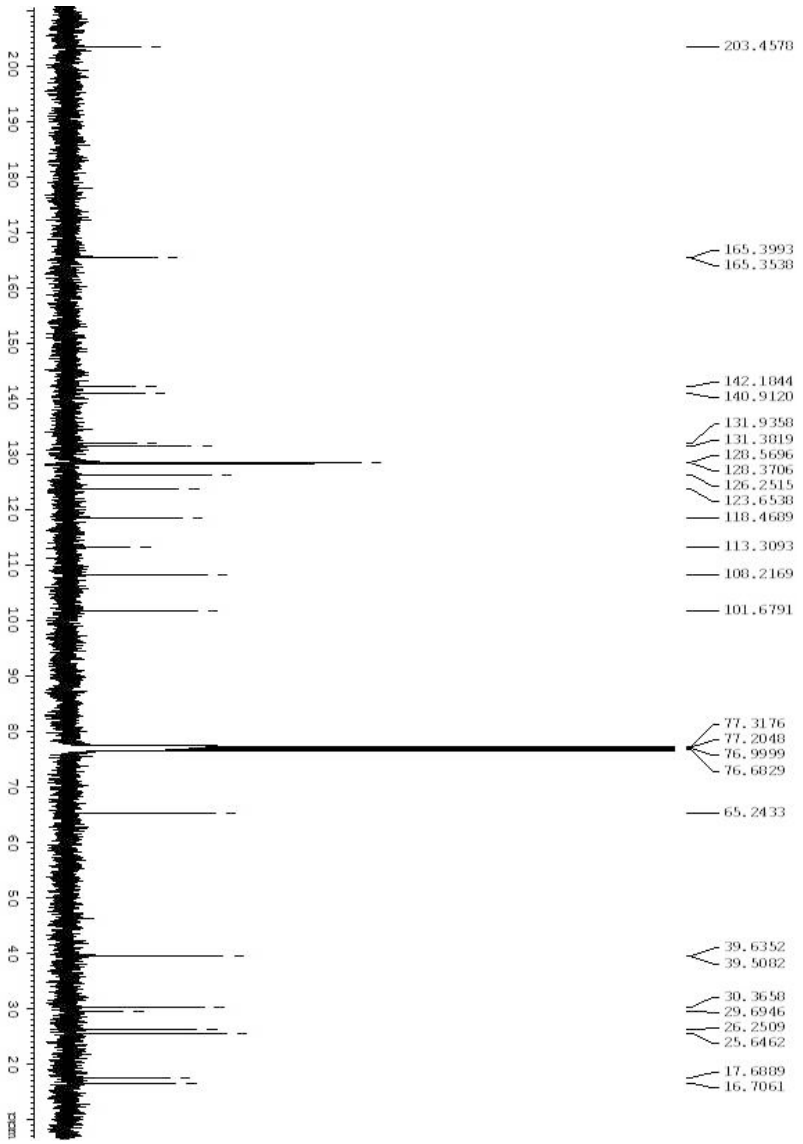
^{13}C NMR (100 MHz, $CDCl_3$) spectrum of compound 7



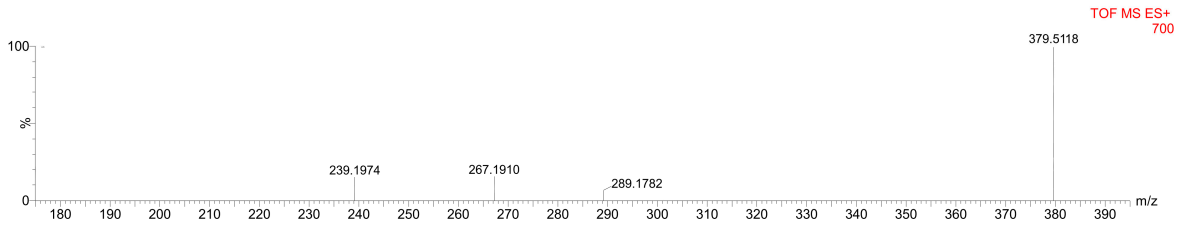
^{1}H NMR (400 MHz, $CDCl_3$) spectrum of compound 8



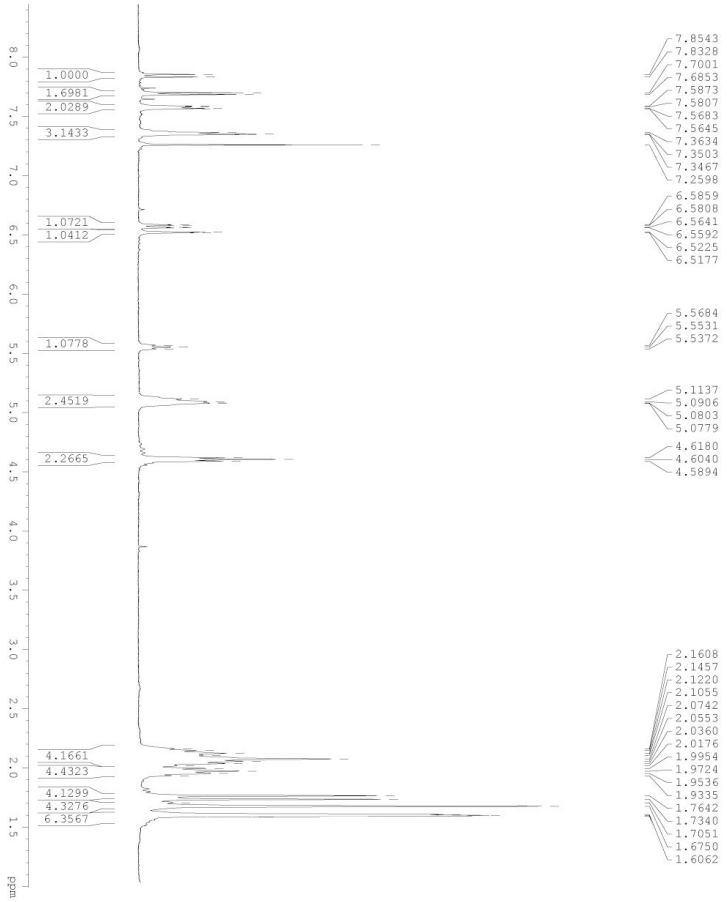
^{13}C NMR (100 MHz, $CDCl_3$) spectrum of compound 8



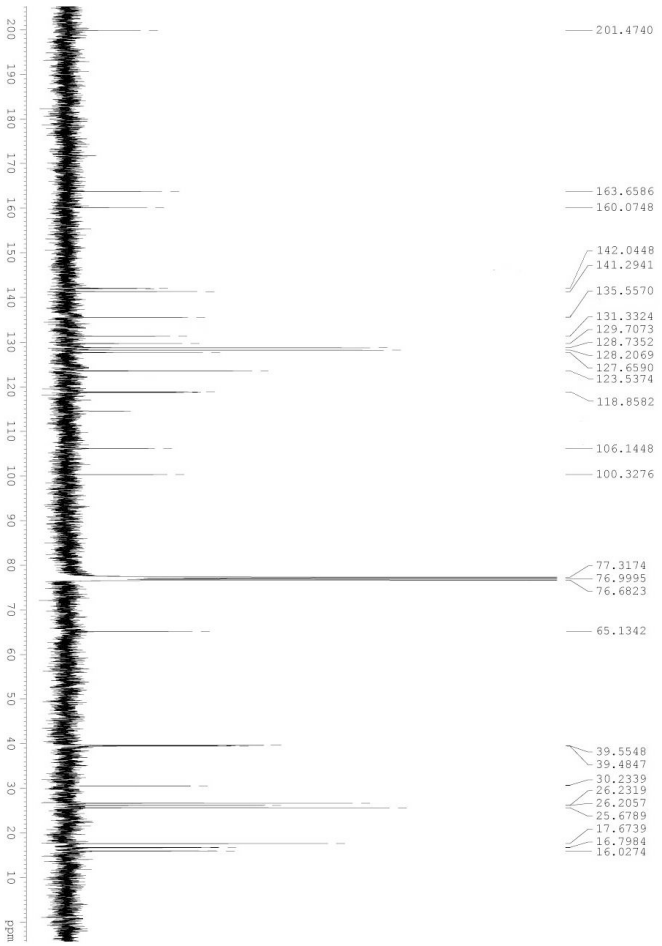
Mass of compound 8



^{1}H NMR (400 MHz, $CDCl_3$) spectrum of compound 9



^{13}C NMR (100 MHz, $CDCl_3$) spectrum of compound 9



Mass of compound 9