

Sesquiterpenoids and Phenylpropanoids from *Chloranthus serratus*

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Supporting Information Available

Figure S1. Selected HMBC and ROESY correlations of **1–9**

For Compound **1**

Figure S2. ^1H NMR spectrum of Chlorantene **A** (**1**) in CDCl_3

Figure S3. ^{13}C NMR spectrum of Chlorantene **A** (**1**) in CDCl_3

Figure S4. HSQC spectrum of Chlorantene **A** (**1**) in CDCl_3

For Compound **2**

Figure S5. ^1H NMR spectrum of Chlorantene **B** (**2**) in CDCl_3

Figure S6. ^{13}C NMR spectrum of Chlorantene **B** (**2**) in CDCl_3

Figure S7. HSQC spectrum of Chlorantene **B** (**2**) in CDCl_3

For Compound **3a**

Figure S8. ^1H NMR spectrum of Compound **3a** in CDCl_3

Figure S9. ^1H NMR spectrum of Compound **3a** in $\text{DMSO}-d_6$

Figure S10. ^{13}C NMR spectrum of Compound **3a** in CDCl_3

Figure S11. ^{13}C NMR spectrum of Compound **3a** in $\text{DMSO-}d_6$

Figure S12. HSQC spectrum of Compound **3a** in CDCl_3

For Compound **3**

Figure S13. ^1H NMR spectrum of Chlorantene **C** (**3**) in CDCl_3

Figure S14. ^1H NMR spectrum of Chlorantene **C** (**3**) in $\text{DMSO-}d_6$

Figure S15. ^{13}C NMR spectrum of Chlorantene **C** (**3**) in CDCl_3

Figure S16. ^{13}C NMR spectrum of Chlorantene **C** (**3**) in $\text{DMSO-}d_6$

Figure S17. HSQC spectrum of Chlorantene **C** (**3**) in CDCl_3

For Compound **4**

Figure S18. ^1H NMR spectrum of Chlorantene **D** (**4**) in CD_3COCD_3

Figure S19. ^{13}C NMR spectrum of Chlorantene **D** (**4**) in CD_3COCD_3

Figure S20. HSQC spectrum of Chlorantene **D** (**4**) in CD_3COCD_3

For Compound **5**

Figure S21. ^1H NMR spectrum of Chlorantene **E** (**5**) in CDCl_3

Figure S22. ^{13}C NMR spectrum of Chlorantene **E** (**5**) in CDCl_3

For Compound **6**

Figure S23. ^1H NMR spectrum of Chlorantene **F** (**6**) in CDCl_3

Figure S24. ^{13}C NMR spectrum of Chlorantene **F** (**6**) in CDCl_3

For Compound **7**

Figure S25. ^1H NMR spectrum of Chlorantene **G** (**7**) in CDCl_3

Figure S26. ^{13}C NMR spectrum of Chlorantene **G** (**7**) in CDCl_3

Figure S27. HSQC spectrum of Chlorantene **G** (**7**) in CDCl_3

For Compound **8** and **9**

Figure S28. ^1H NMR spectrum of compound **8** in CDCl_3

Figure S29. ^1H NMR spectrum of compound **9** in CDCl_3

Figure S30. ^{13}C NMR spectrum of compound **8** in CDCl_3

Figure S31. ^{13}C NMR spectrum of compound **9** in CDCl_3

Figure S1. Selected HMBC and ROESY correlations of 1–9

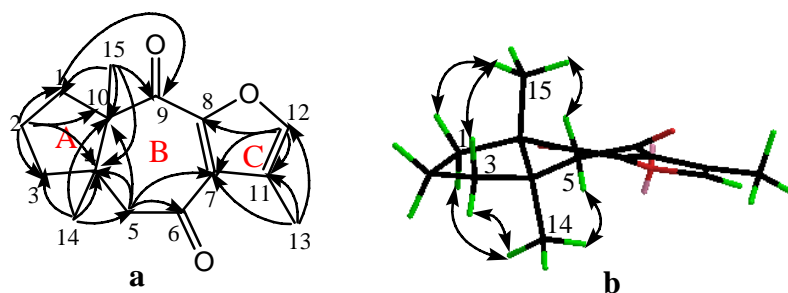


Figure 1. Selected HMBC (H→C) (a) and ROESY (↔) (b) correlations of chlorantene A (1)

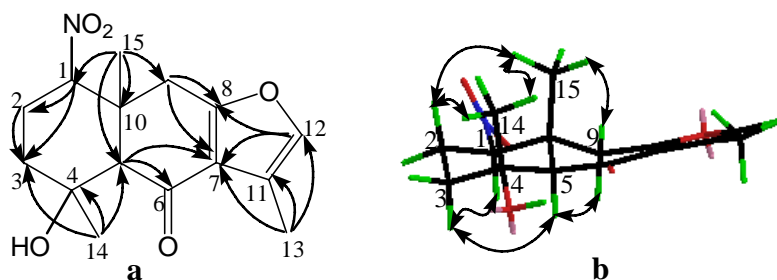


Figure 2. Selected HMBC (H→C) (a) and ROESY (↔) (b) correlations of chlorantene B (2)

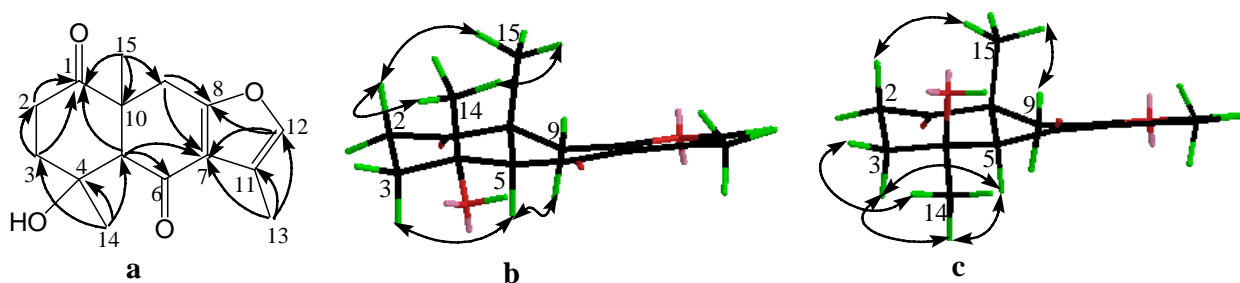


Figure 3. Selected HMBC (H→C) of compounds 3 and 3a (a); Selected ROESY (↔) correlations of 3a (b) and 3 (c)

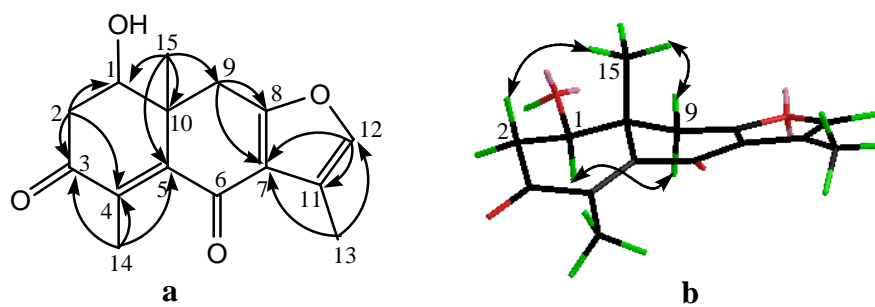


Figure 4. Selected HMBC (H→C) (a) and ROESY (↔) (b) correlations of chlorantene D (4)

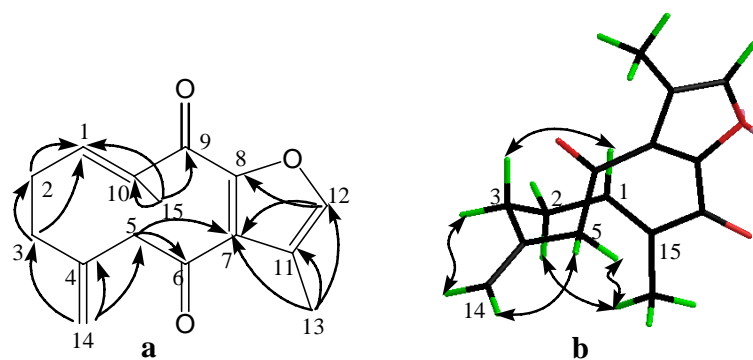


Figure 5. Selected HMBC (H→C) (a) and ROESY (↔) (b) correlations of chlorantene E (5)

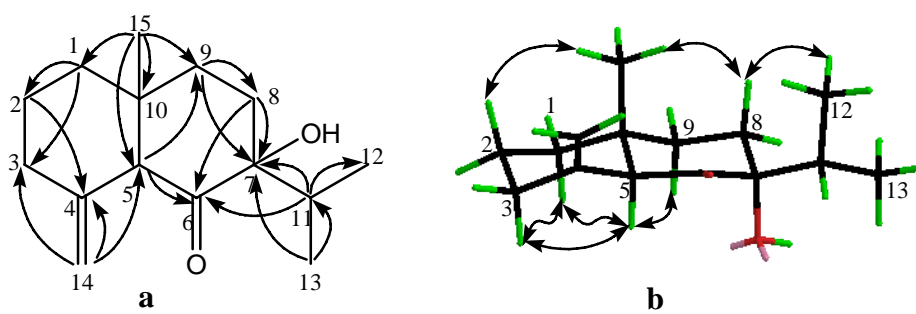


Figure 6. Selected HMBC (H→C) (a) and ROESY (↔) (b) correlations of chlorantene G (7)

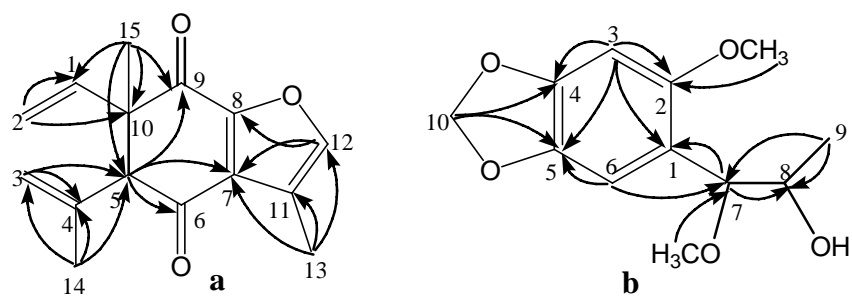


Figure 7. Selected HMBC (H→C) correlations of chlorantene F (**6**) (**a**) and compounds **8** and **9** (**b**)

Figure S2. ^1H NMR spectrum of Chlorantene A (1) in CDCl_3

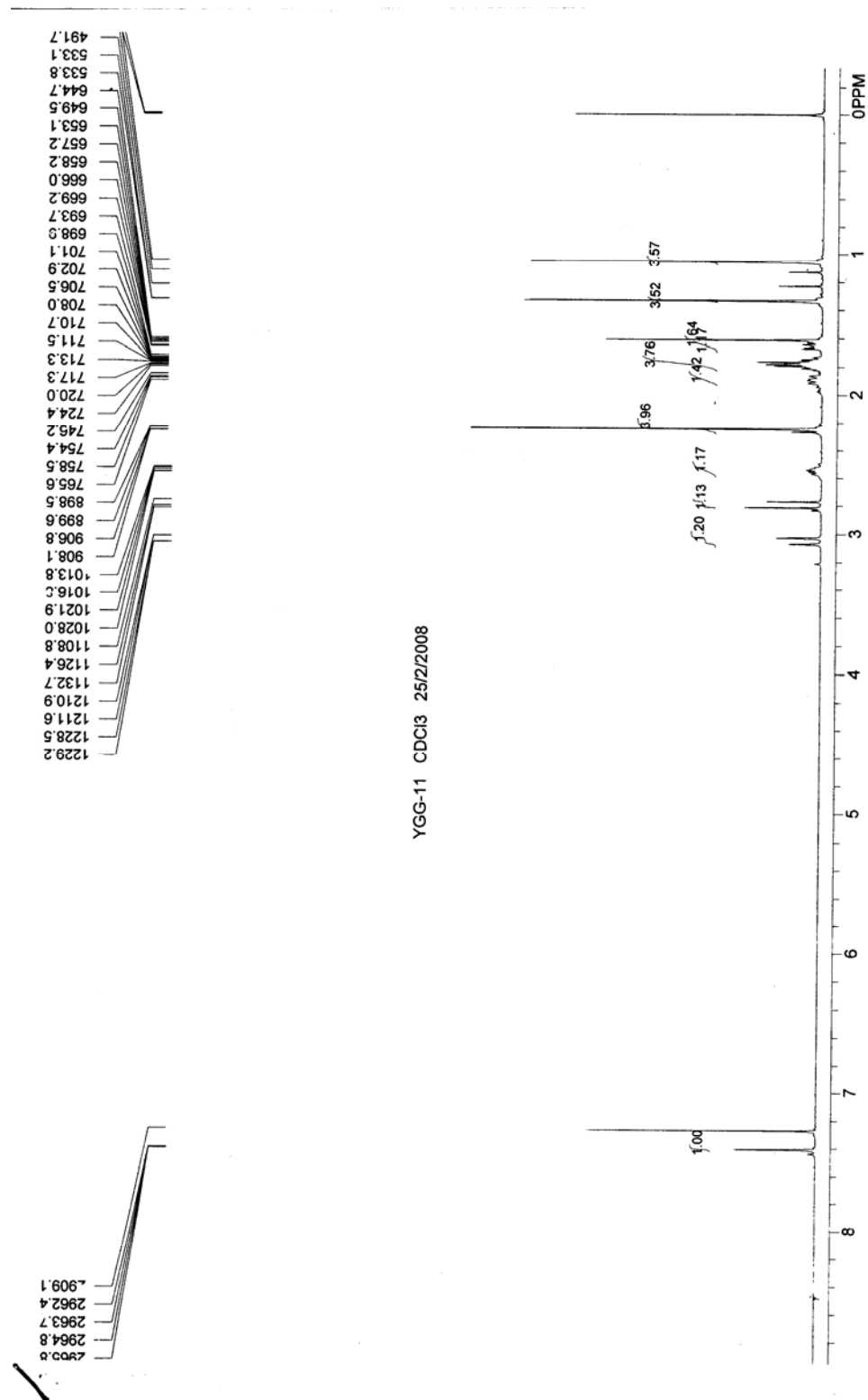


Figure S3. ^{13}C NMR spectrum of Chlorantene A (**1**) in CDCl_3

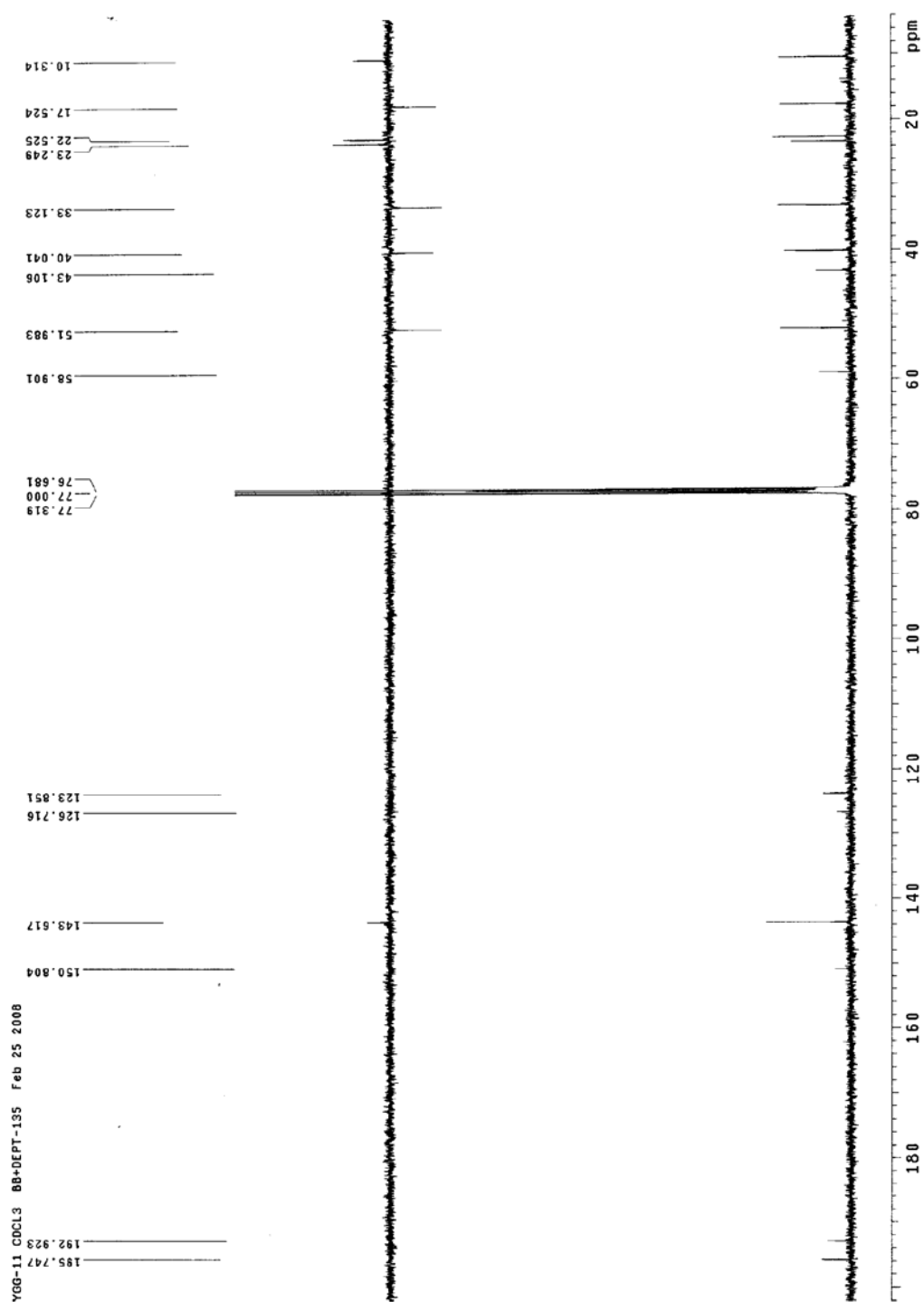


Figure S4. HSQC spectrum of Chlorantene A (**1**) in CDCl₃

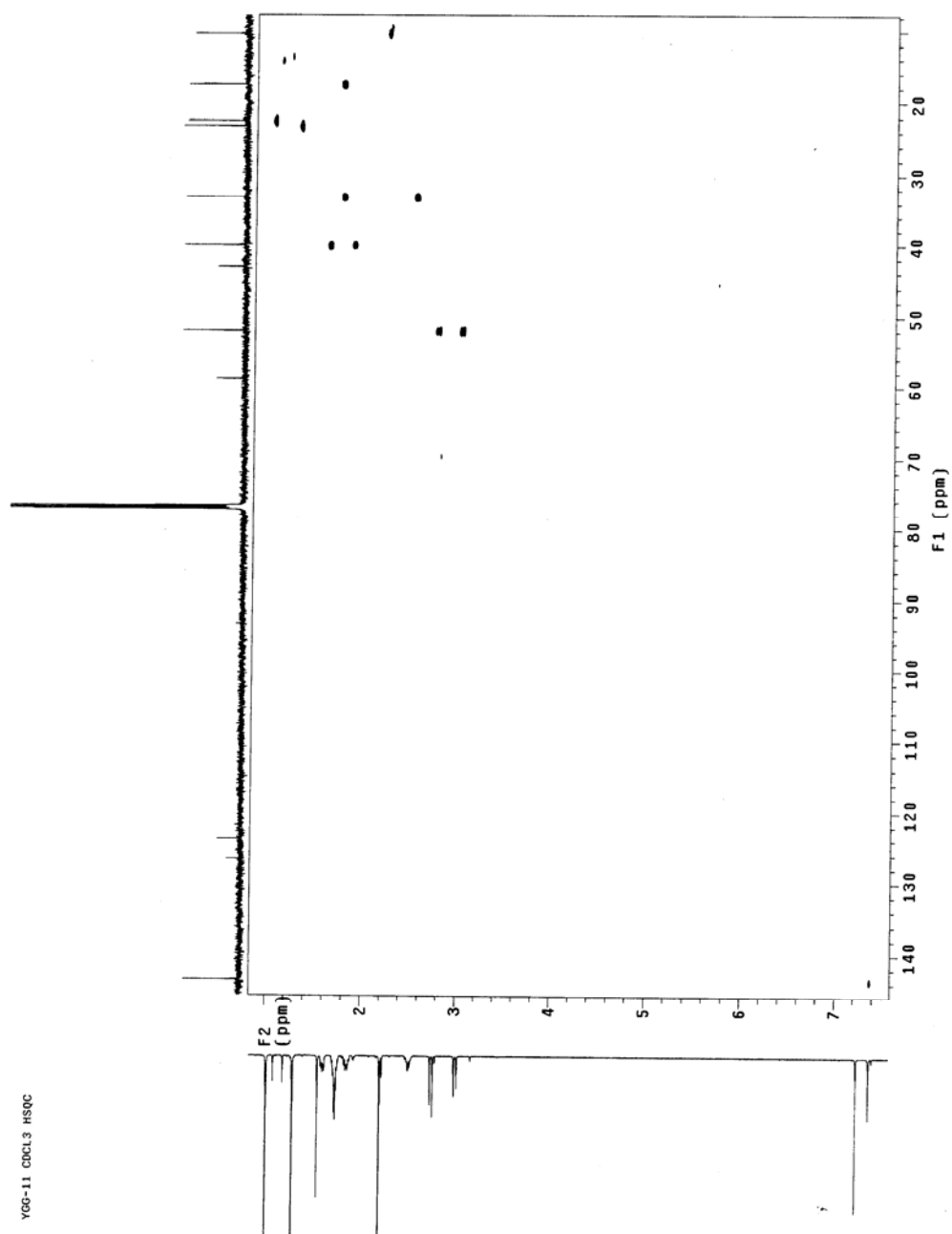


Figure S5. ^1H NMR spectrum of Chlorantene **B** (2) in CDCl_3

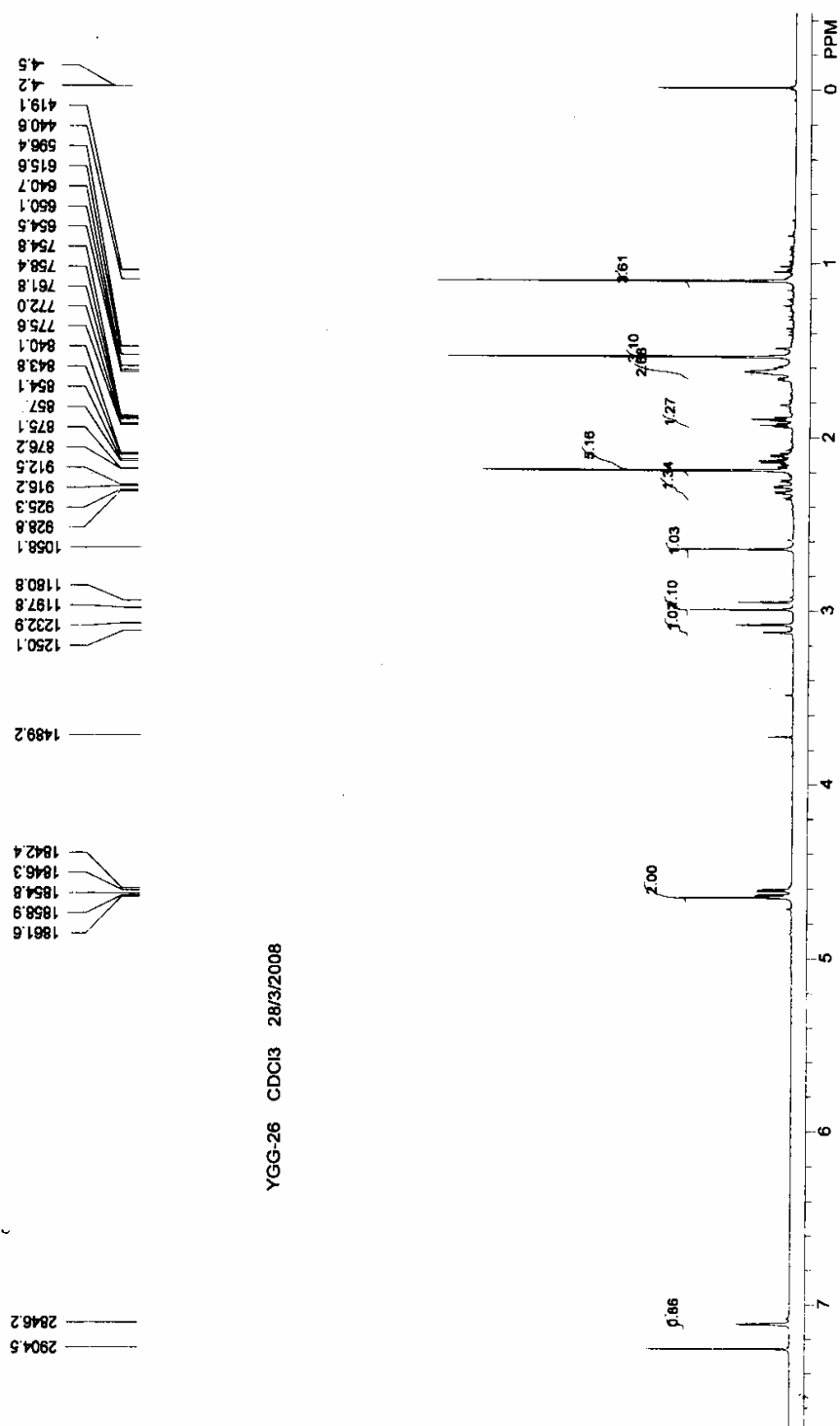


Figure S6. ^{13}C NMR spectrum of Chlorantene **B** (2) in CDCl_3

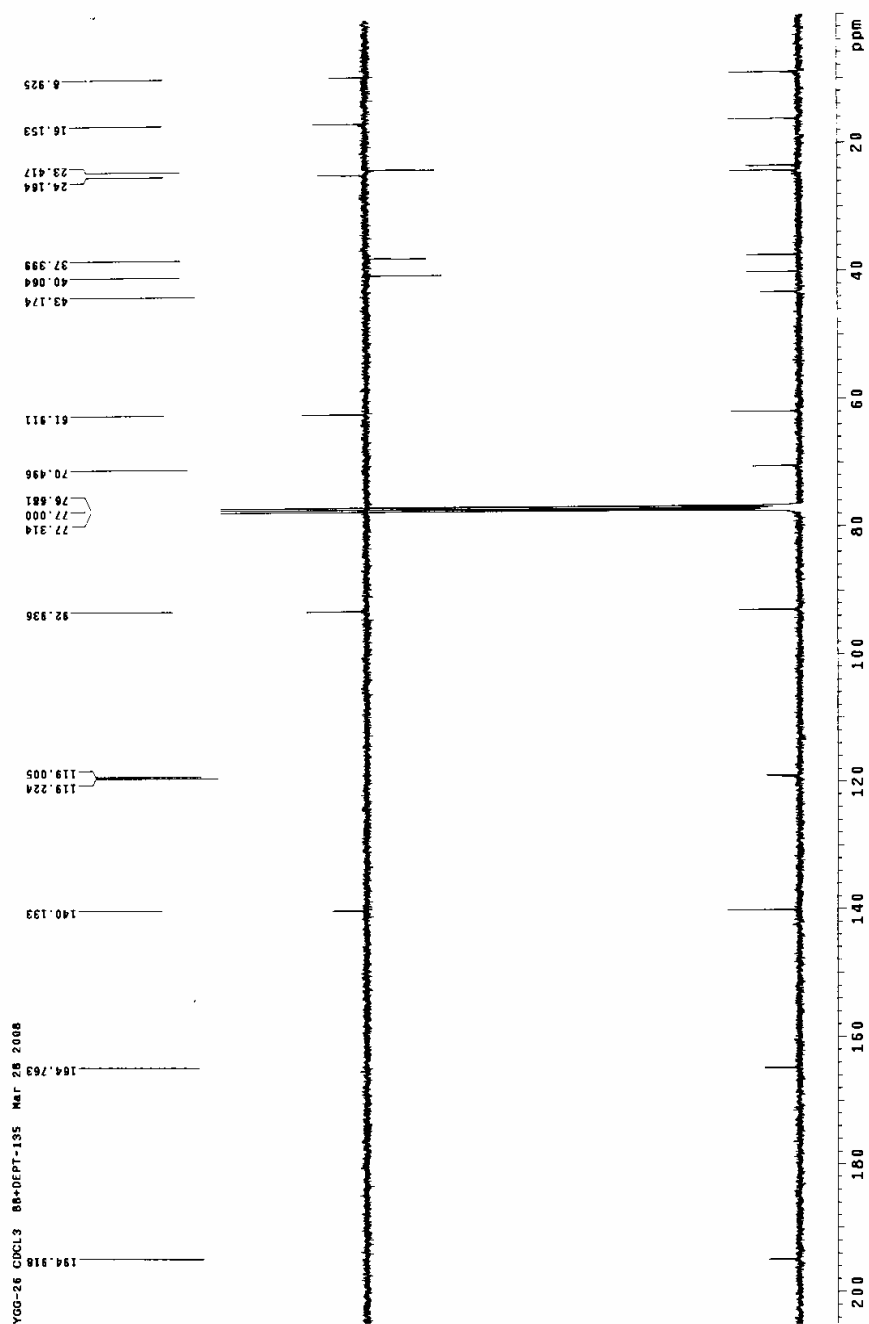


Figure S7. HSQC spectrum of Chlorantene **B** (2) in CDCl₃

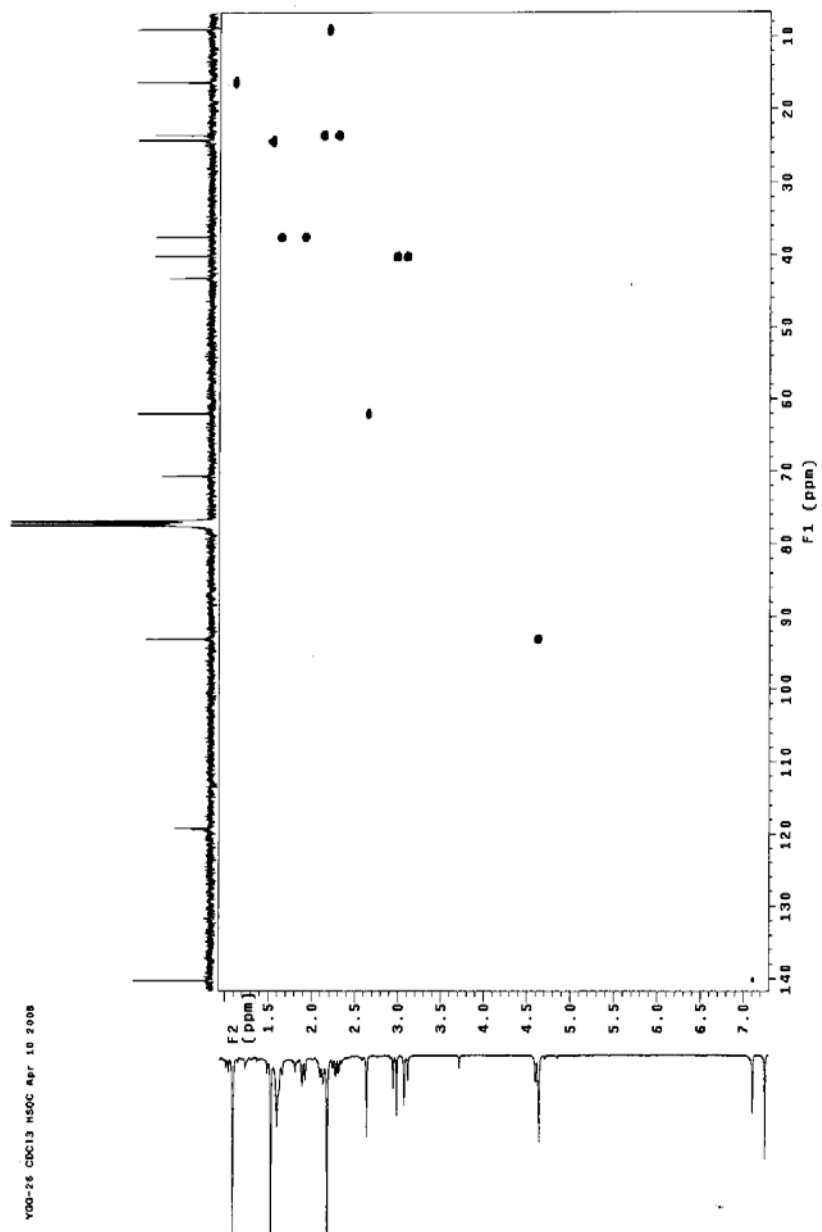


Figure S8. ^1H NMR spectrum of Compound **3a** in CDCl_3

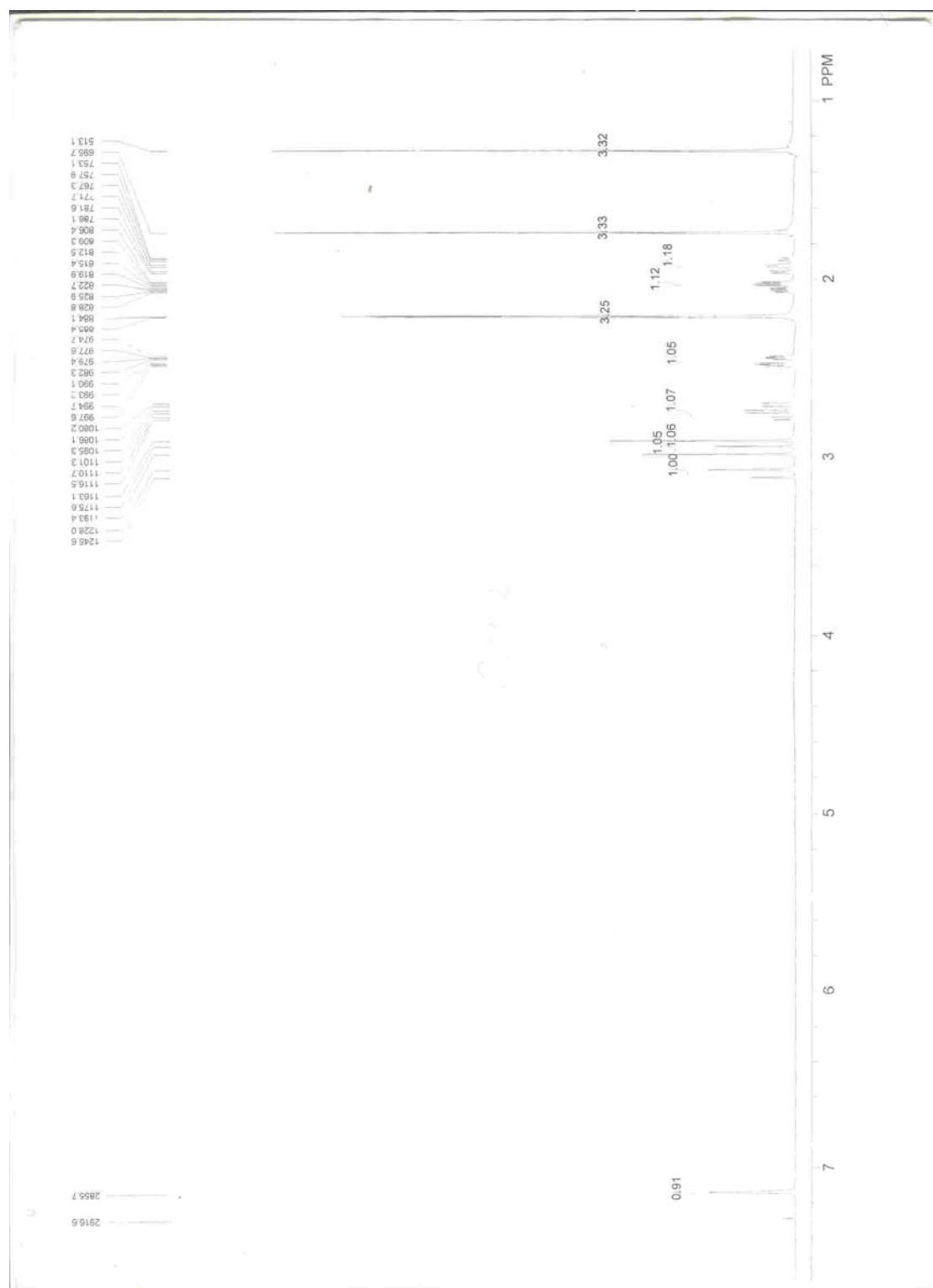


Figure S9. ^1H NMR spectrum of Compound **3a** in $\text{DMSO}-d_6$

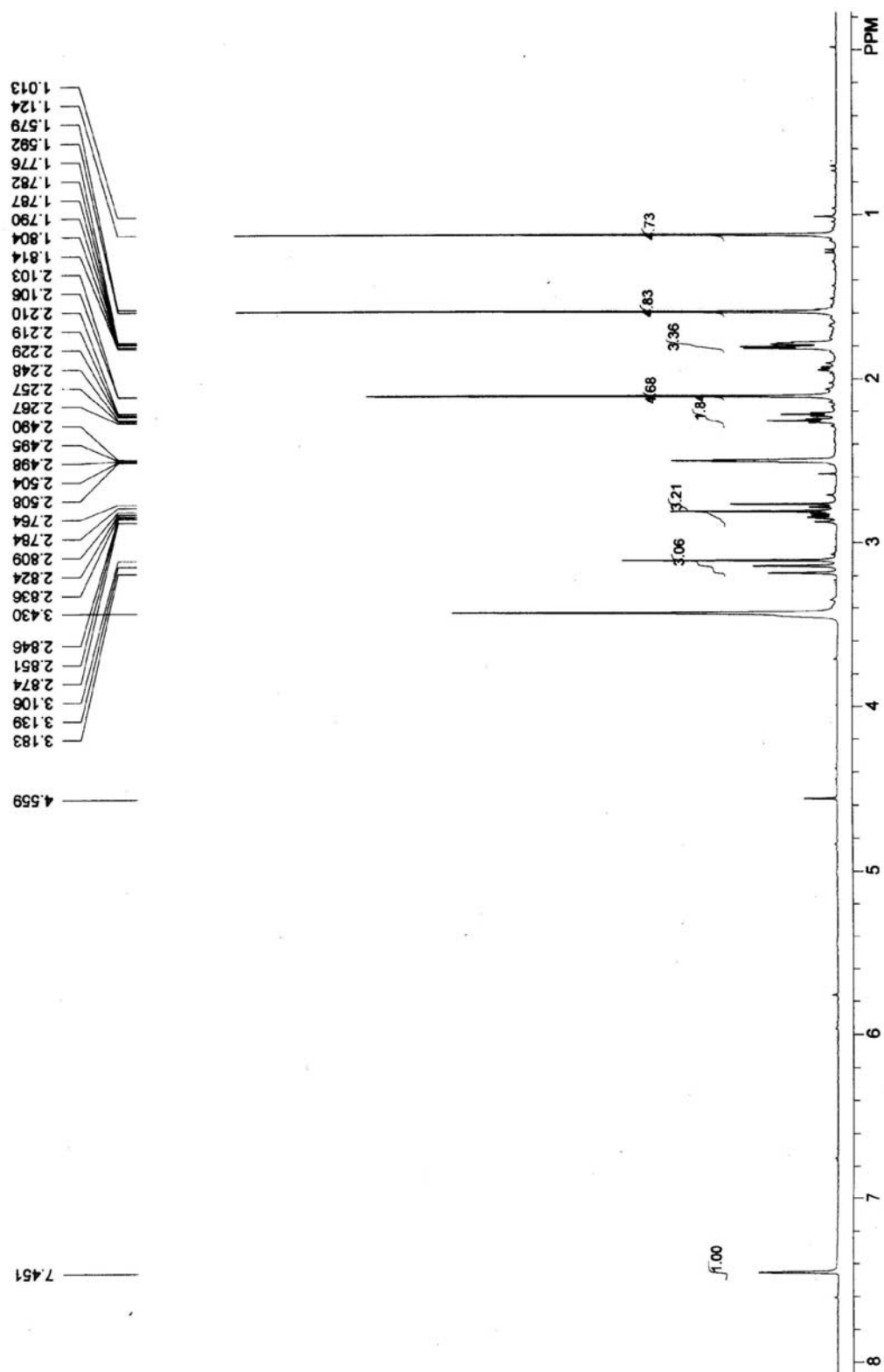


Figure S10. ^{13}C NMR spectrum of Compound **3a** in CDCl_3

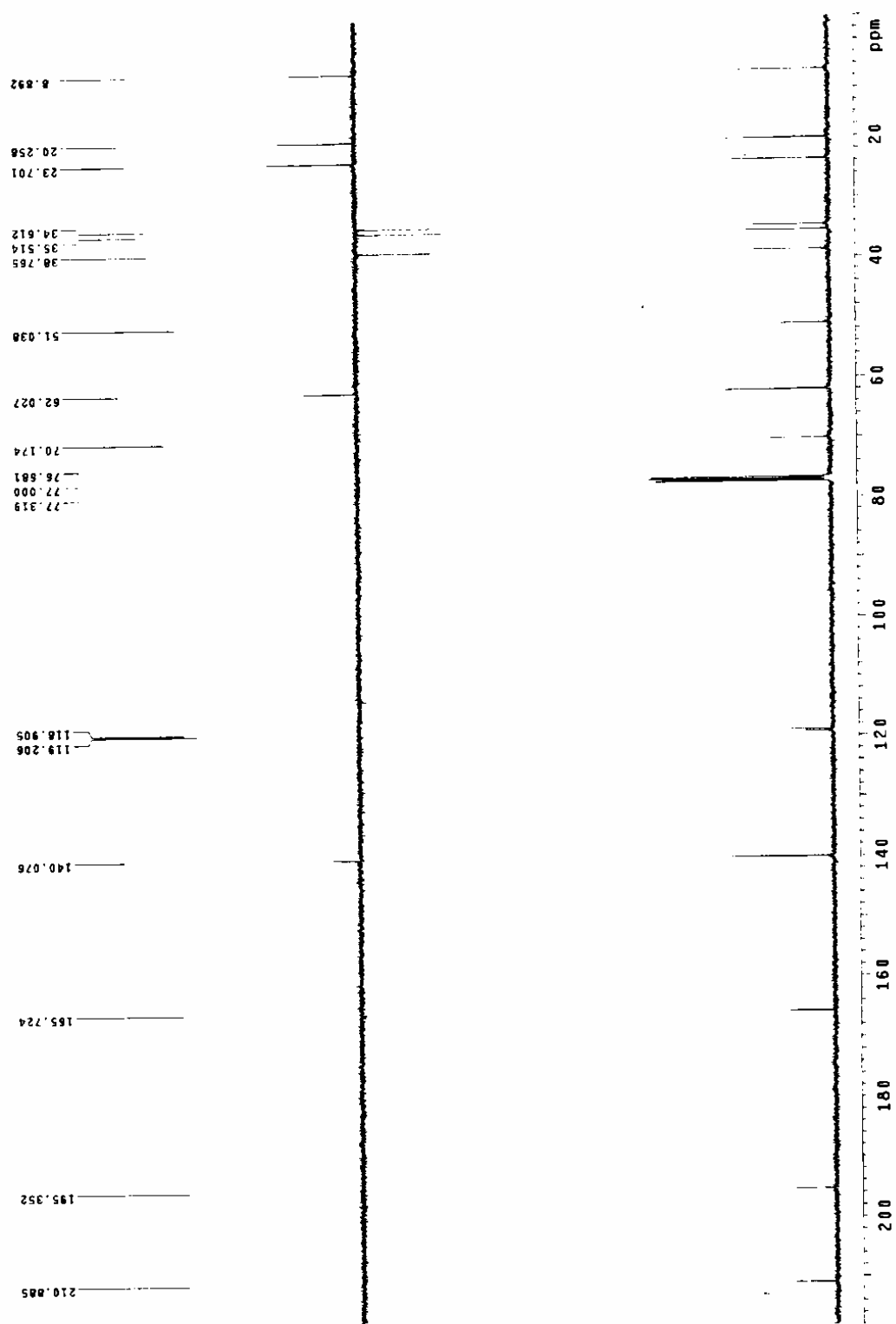


Figure S11. ^{13}C NMR spectrum of Compound **3a** in $\text{DMSO}-d_6$

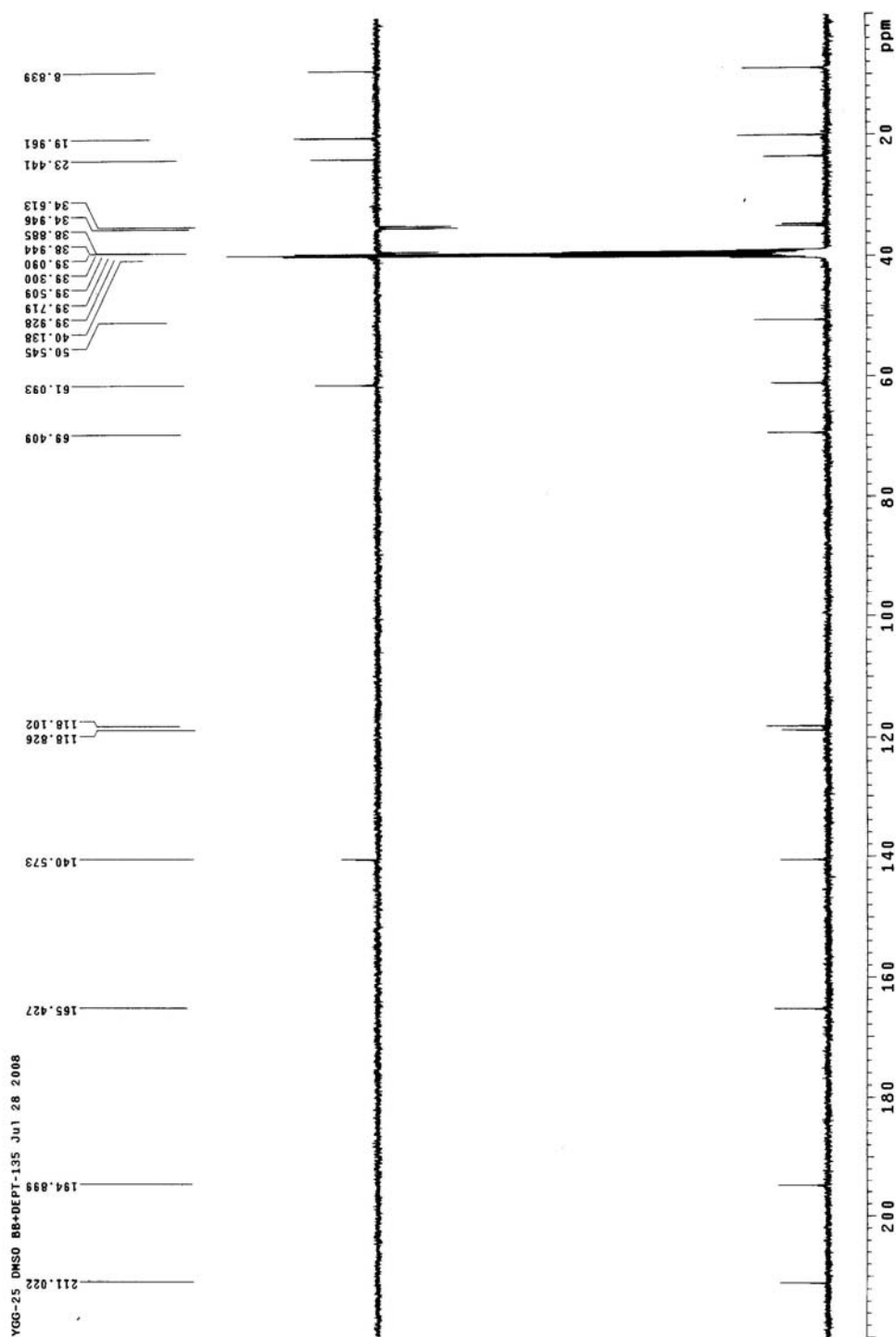
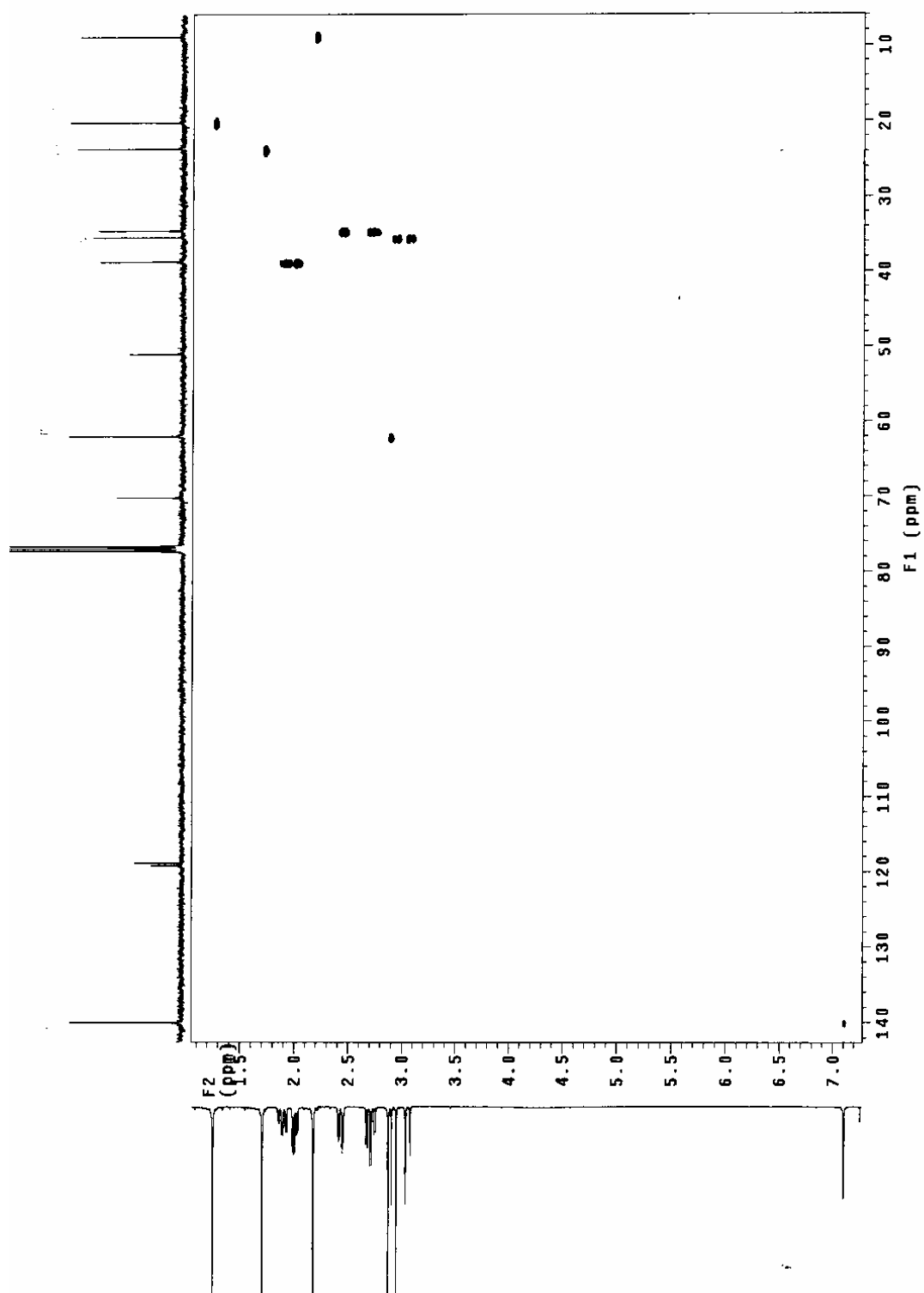


Figure S12. HSQC spectrum of Compound **3a** in CDCl₃



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Chemical shifts (ppm): 1267.3, 1253.6, 1249.3, 1440.2, 1239.2, 1233.7, 1225.1, 1219.6, 1116.5, 1114.0, 1098.6, 890.7, 886.0, 883.3, 876.6, 873.4, 869.5, 863.1, 862.1, 854.7, 849.4, 846.1, 843.7, 840.5, 714.1, 710.3, 700.0, 696.0, 685.5, 681.7, 600.8, 584.4, 555.0, 528.3, -13.6.

Integrations: 1.00 (2837.1 ppm), 2.41 (2904.7 ppm), 2.41 (109.8 ppm), 6.73 (87.3 ppm), 3.48 (75.5 ppm), 1.41 (41.1 ppm).

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2904.7
2837 1

Figure S14. ^1H NMR spectrum of Chlorantene **C** (**3**) in $\text{DMSO}-d_6$

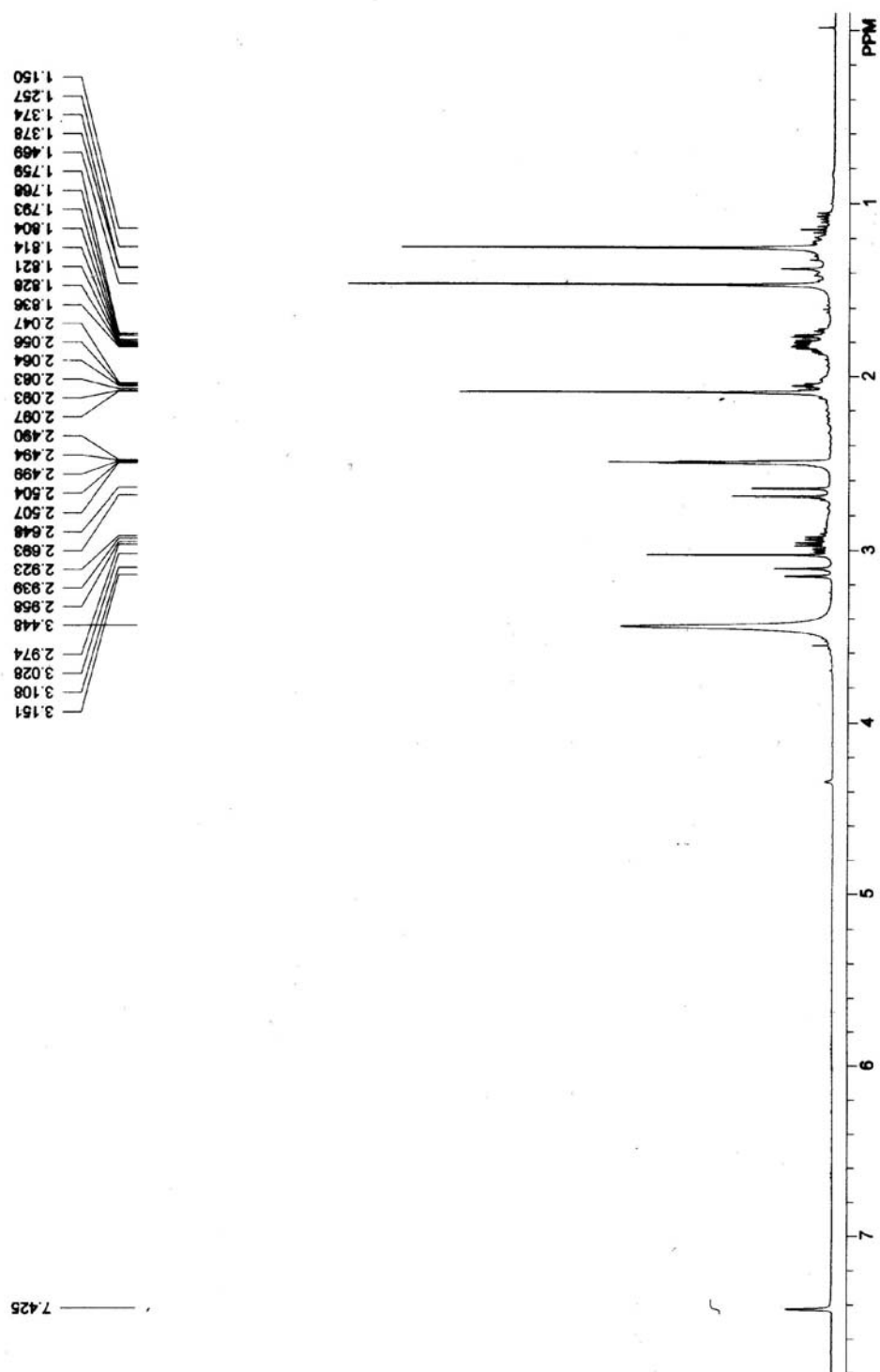


Figure S15. ^{13}C NMR spectrum of Chlorantene **C** (**3**) in CDCl_3

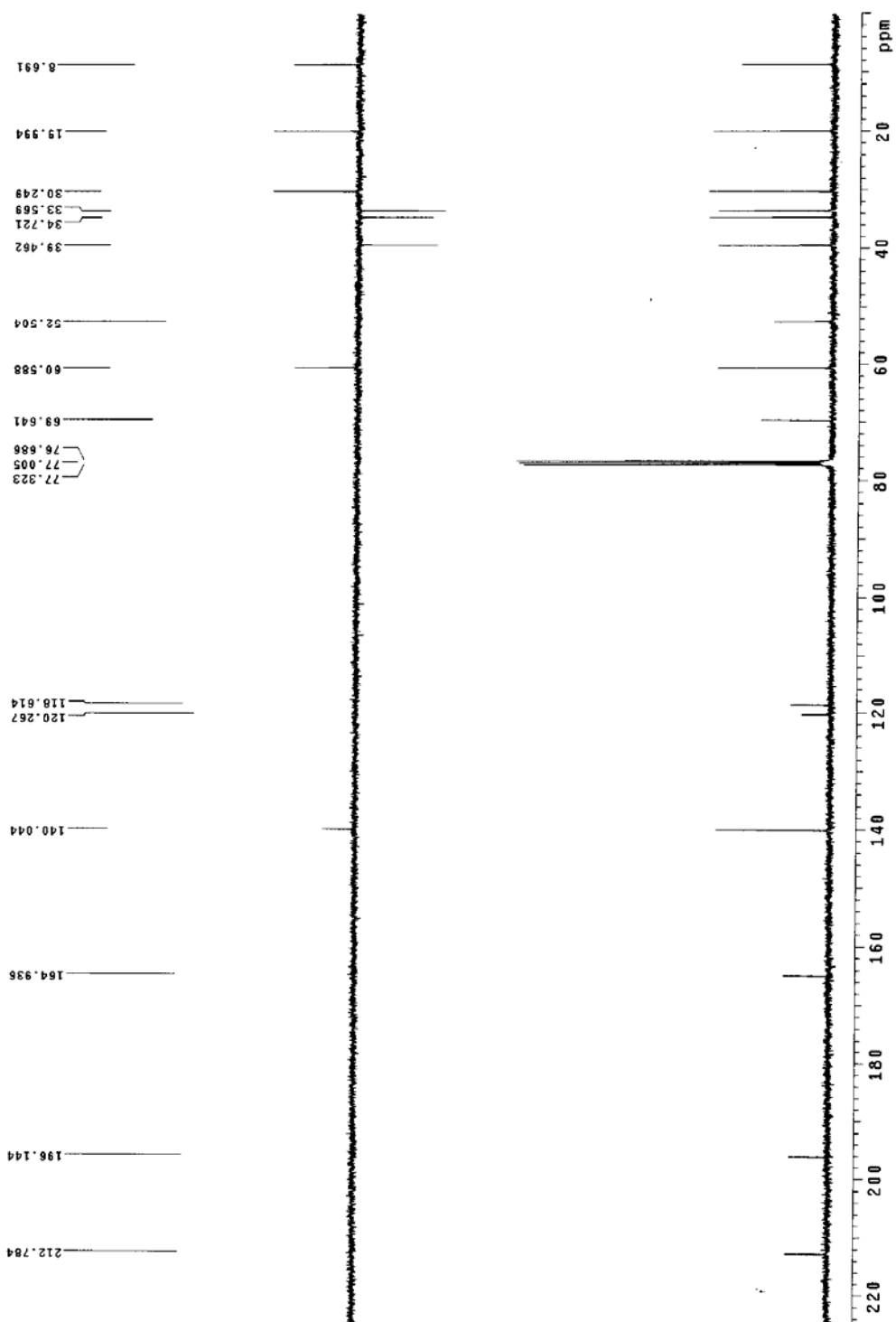


Figure S16. ^{13}C NMR spectrum of Chlorantene **C** (**3**) in $\text{DMSO}-d_6$

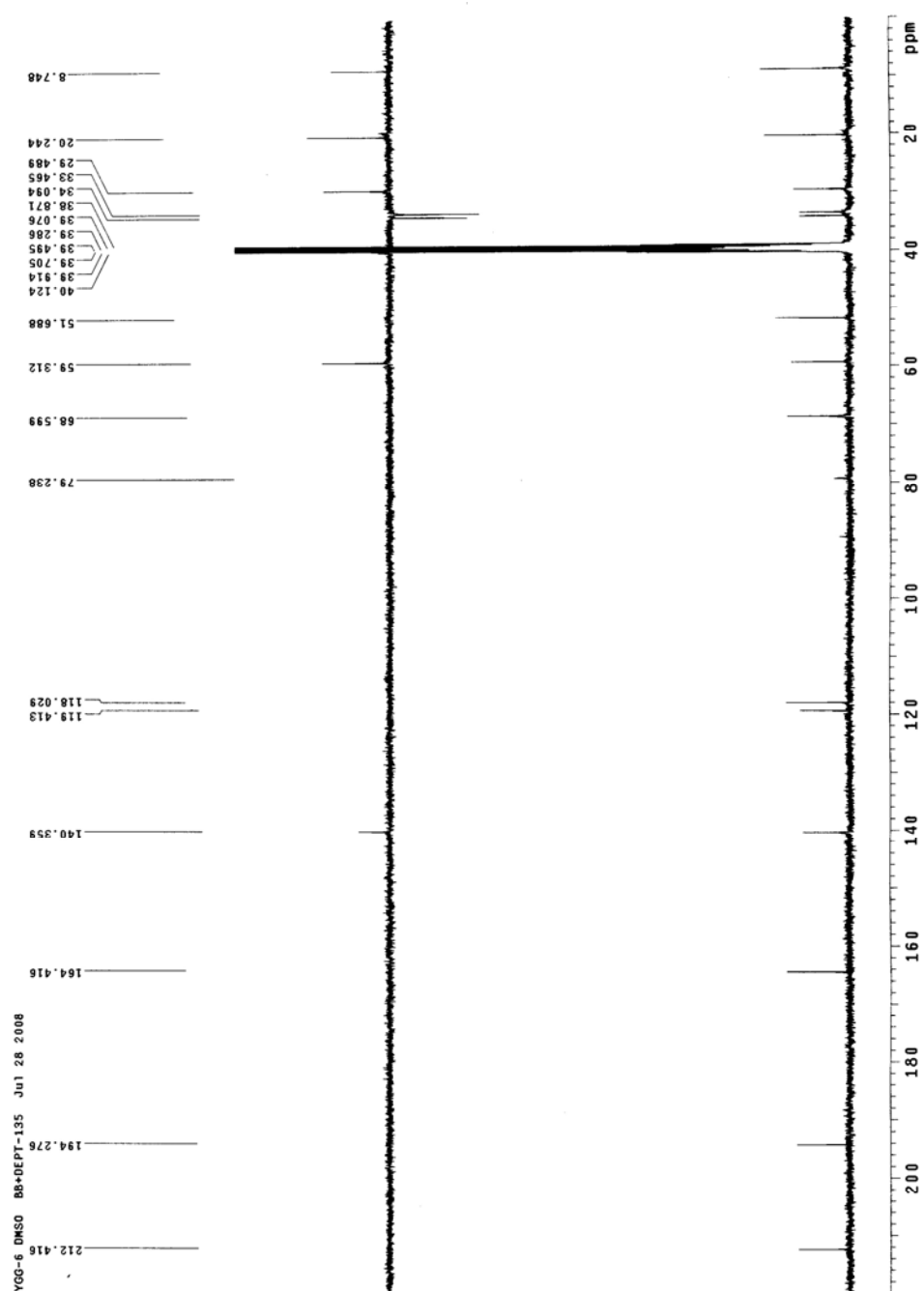


Figure S17. HSQC spectrum of Chlorantene **C** (**3**) in CDCl₃

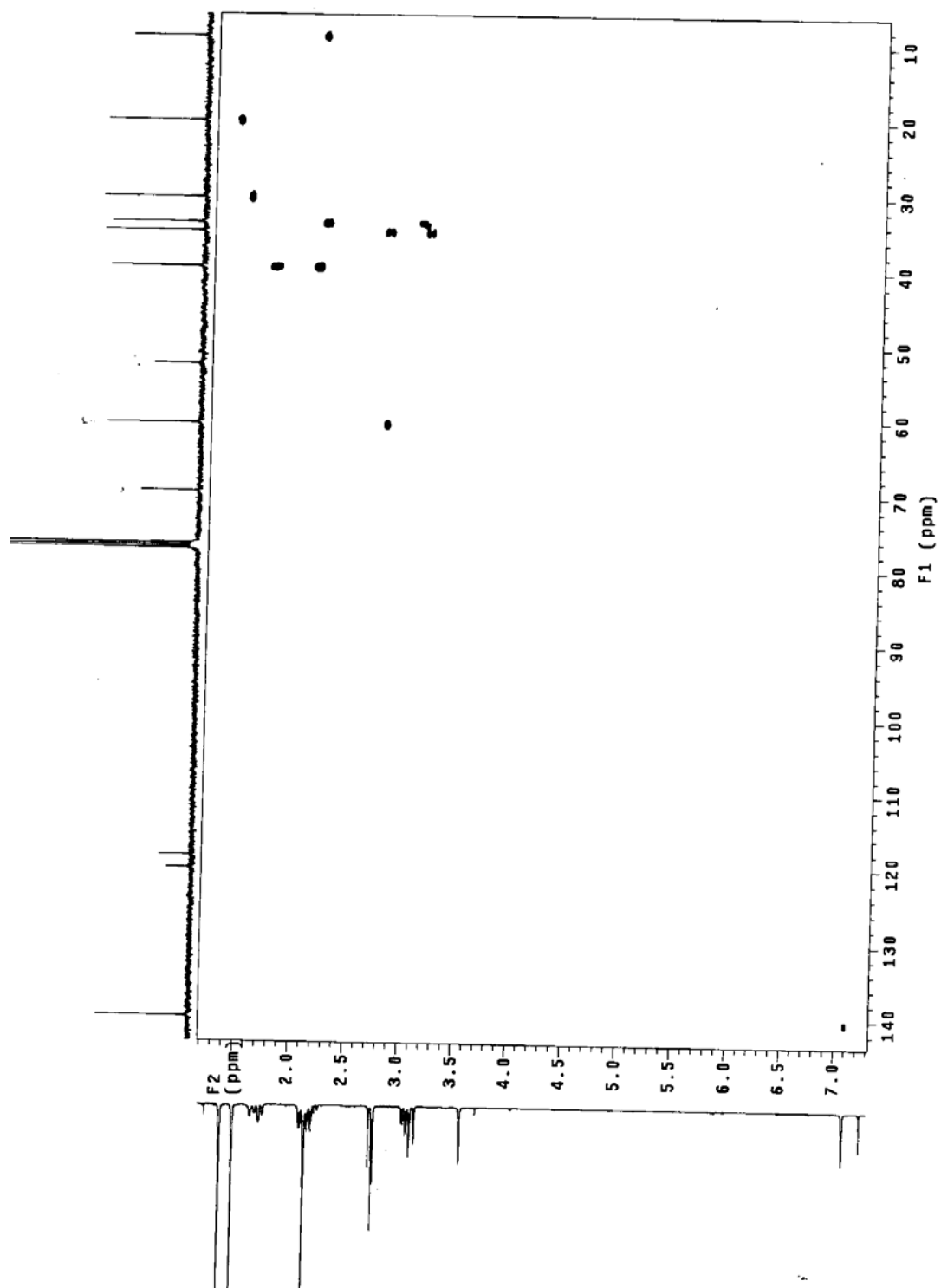


Figure S18. ^1H NMR spectrum of Chlorantene **D** (**4**) in CD_3COCD_3

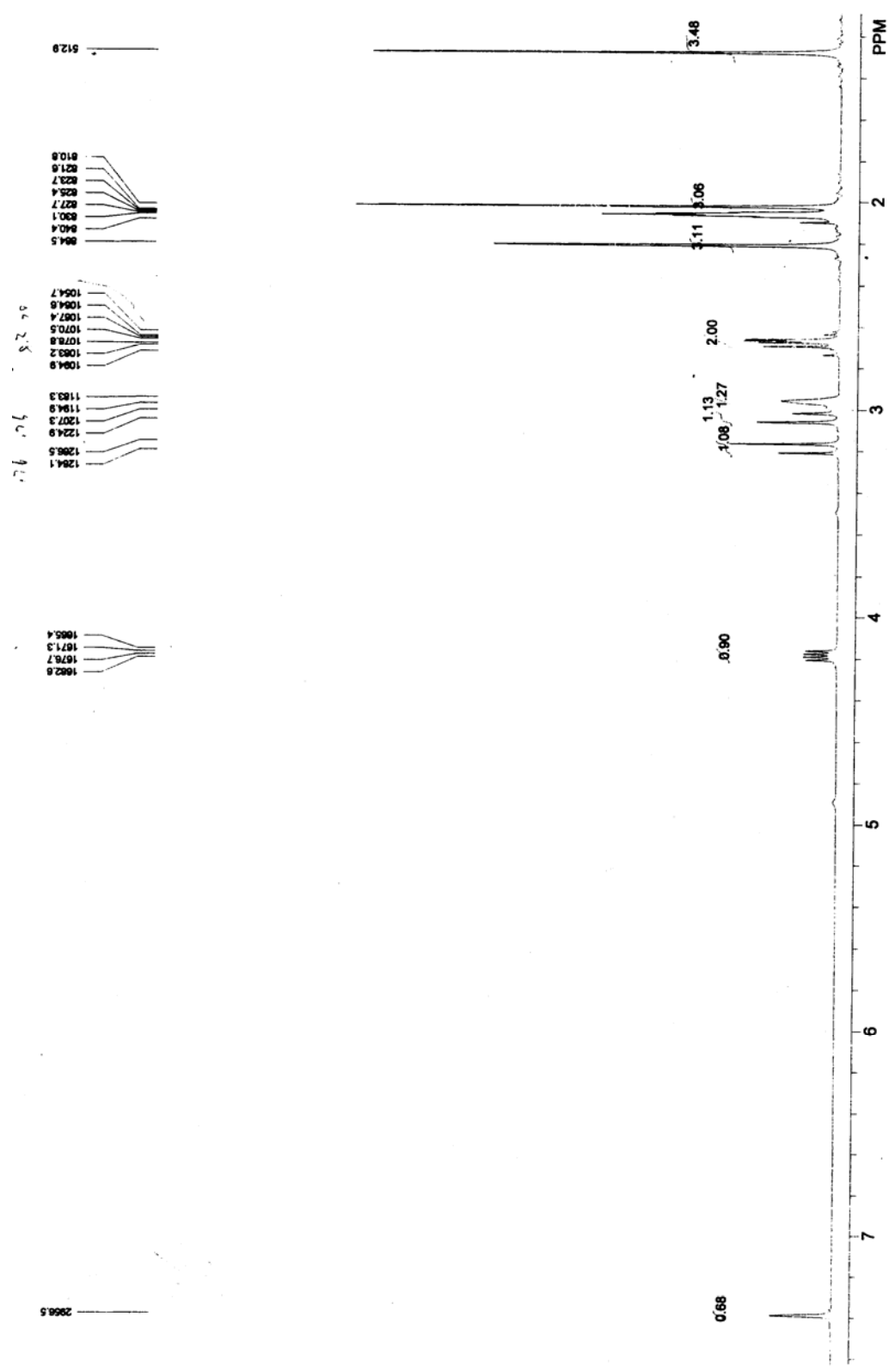


Figure S19. ^{13}C NMR spectrum of Chlorantene **D** (4) in CD_3COCD_3

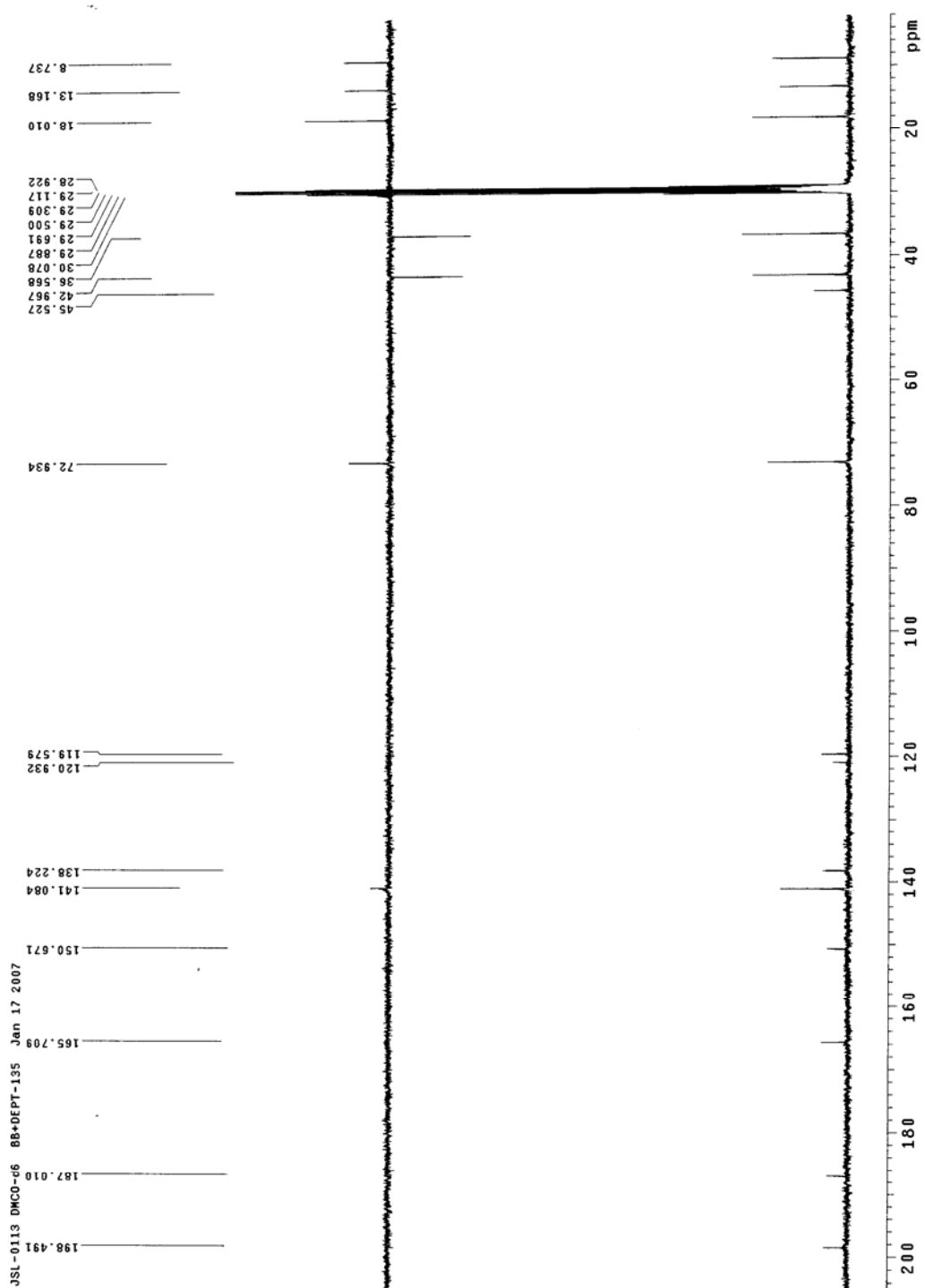


Figure S20. HSQC spectrum of Chlorantene **D** (**4**) in CD₃COCD₃

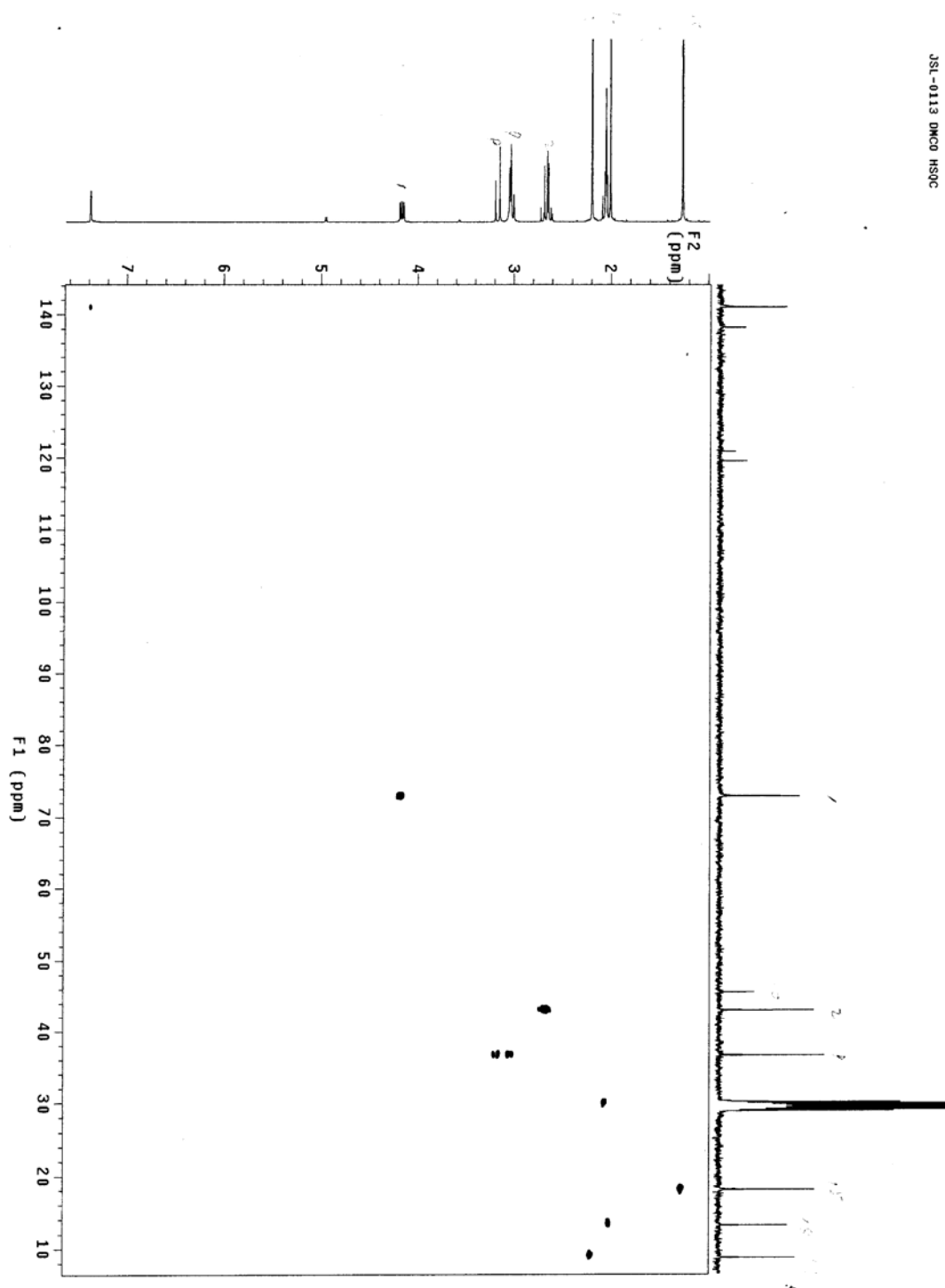


Figure S21. ^1H NMR spectrum of Chlorantene **E** (**5**) in CDCl_3

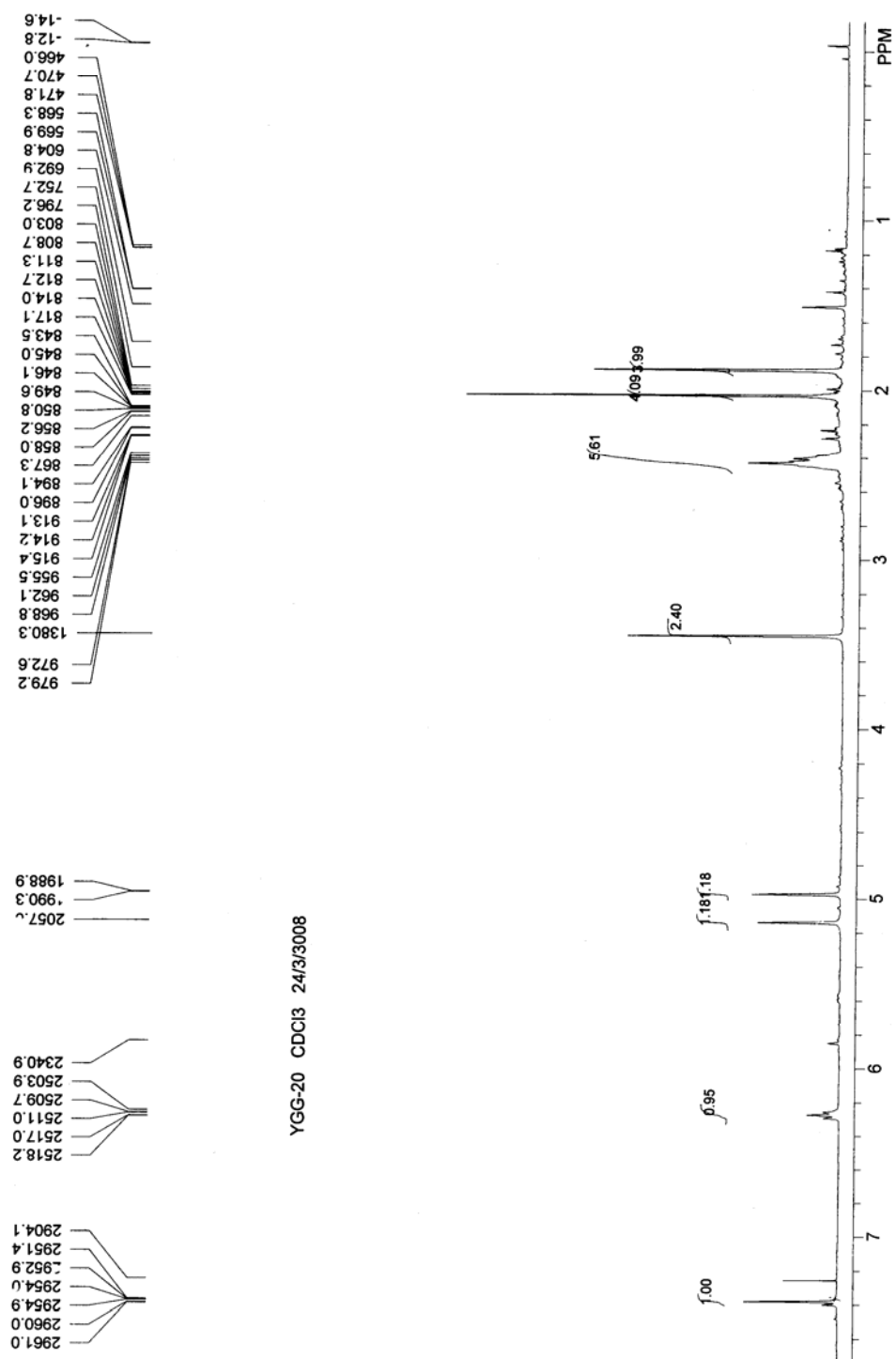


Figure S22. ^{13}C NMR spectrum of Chlorantene **E** (**5**) in CDCl_3

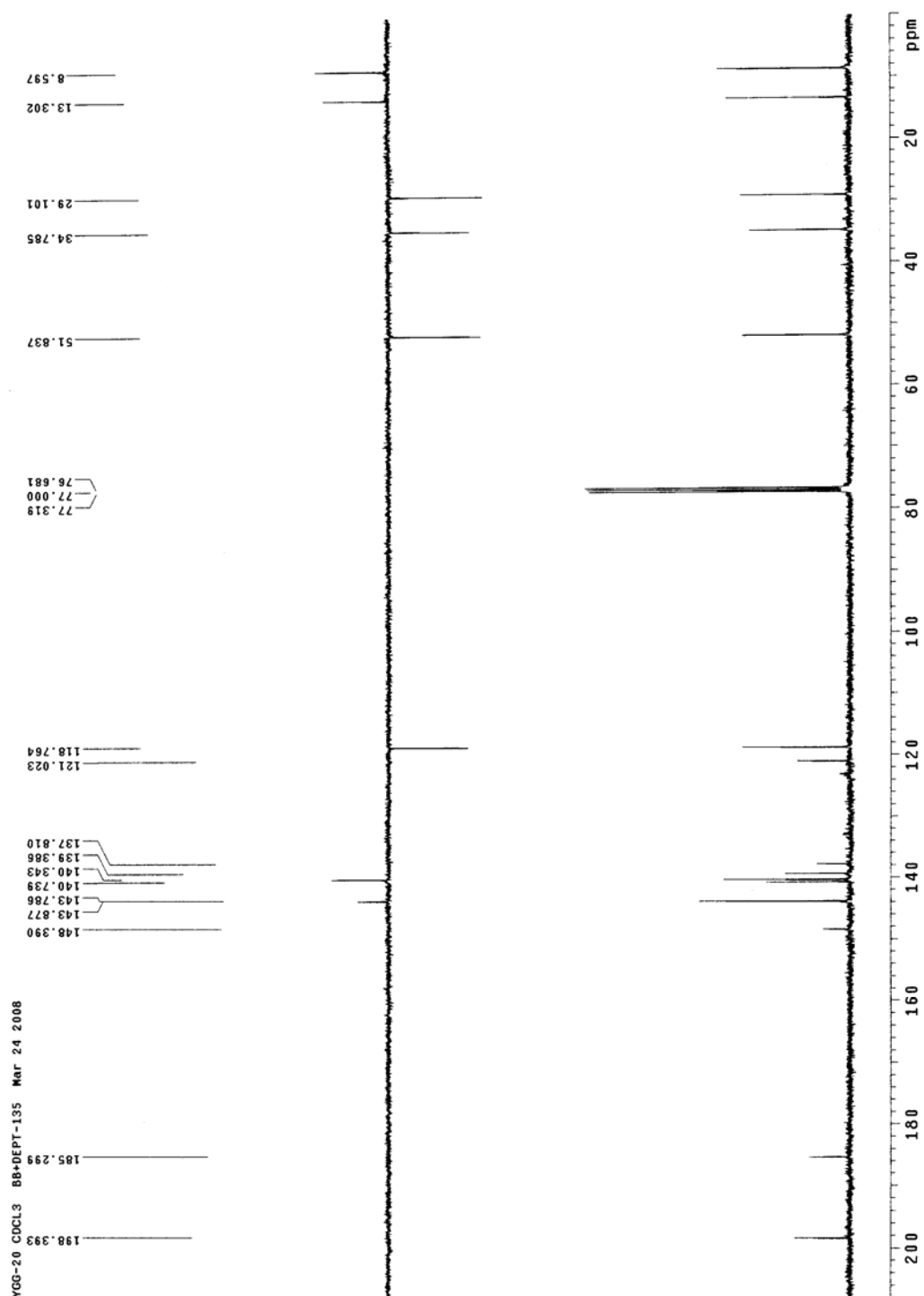


Figure S23. ^1H NMR spectrum of Chlorantene **F** (**6**) in CDCl_3

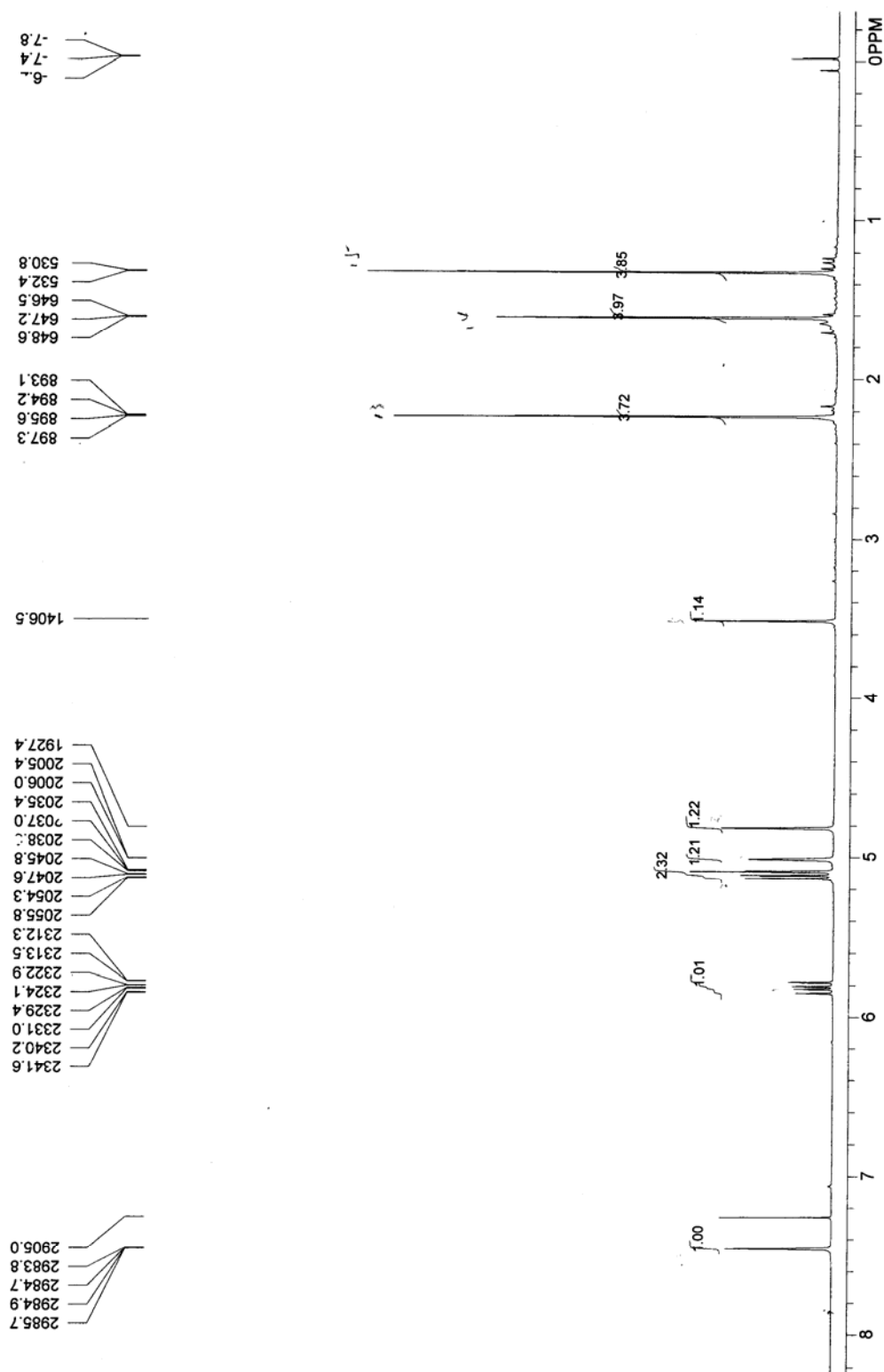


Figure S24. ^{13}C NMR spectrum of Chlorantene **F** (6) in CDCl_3

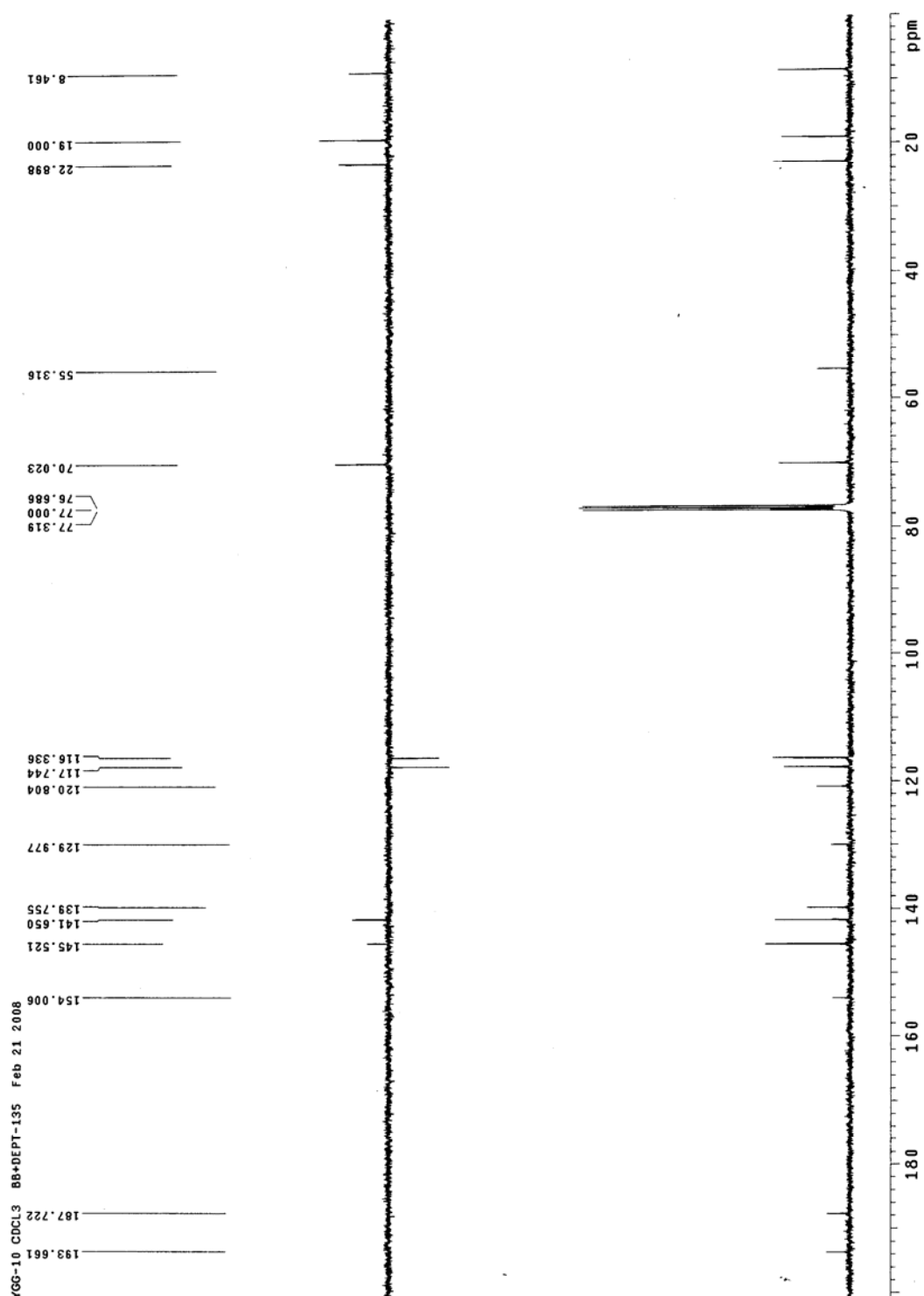


Figure S25. ^1H NMR spectrum of Chlorantene **G** (**7**) in CDCl_3

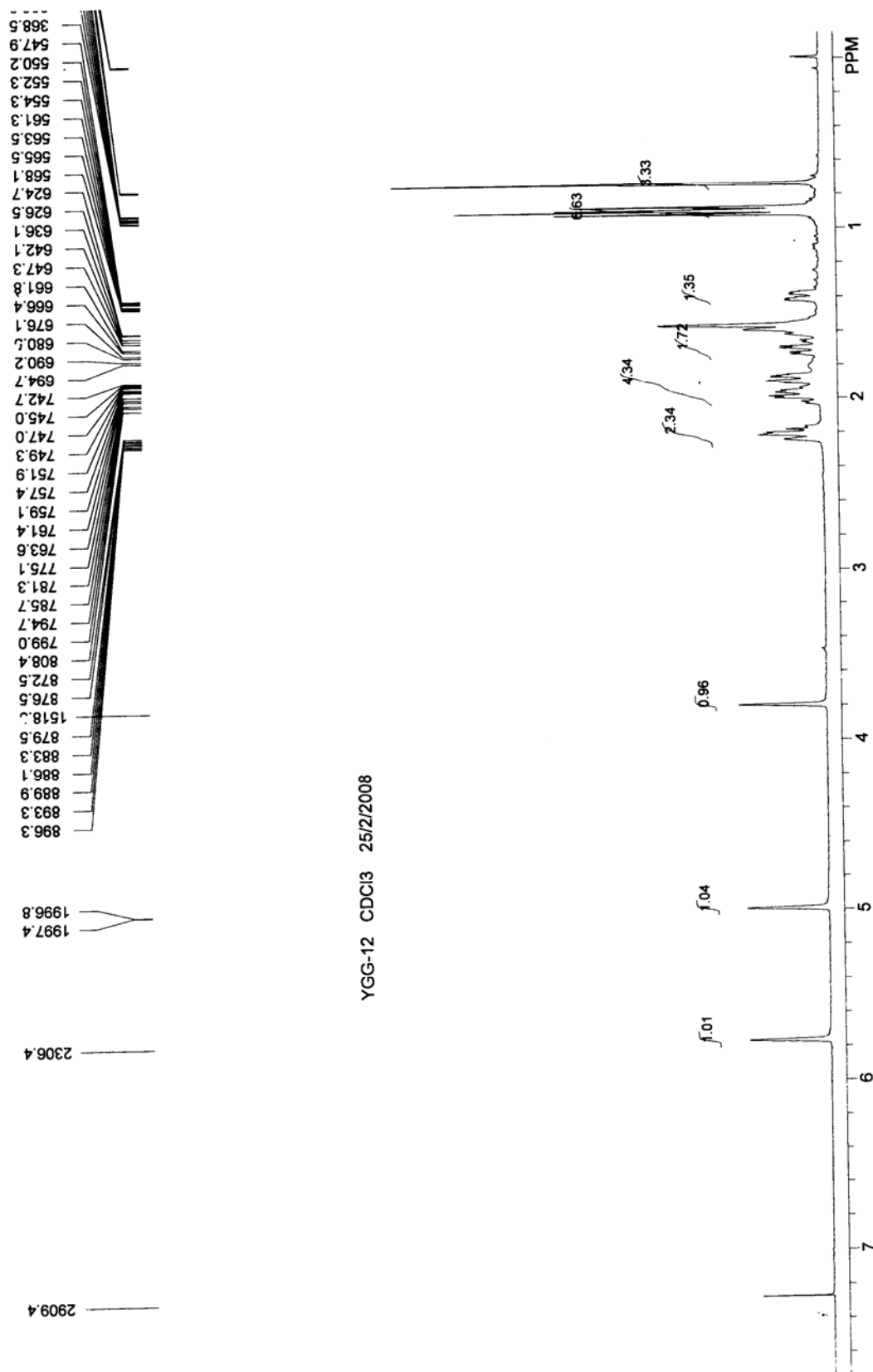


Figure S26. ^{13}C NMR spectrum of Chlorantene **G** (**7**) in CDCl_3

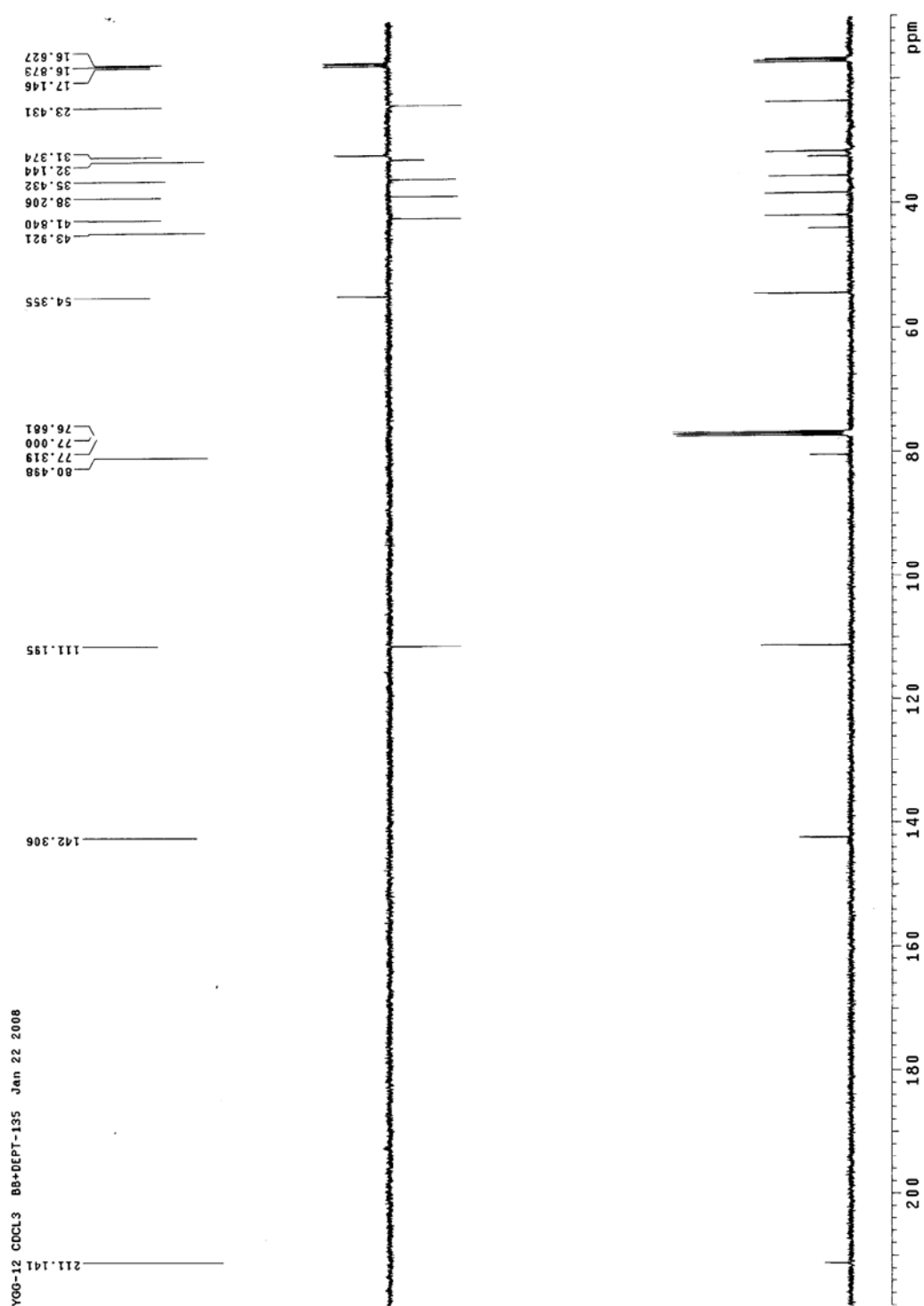


Figure S27. HSQC spectrum of Chlorantene **G** (7) in CDCl₃

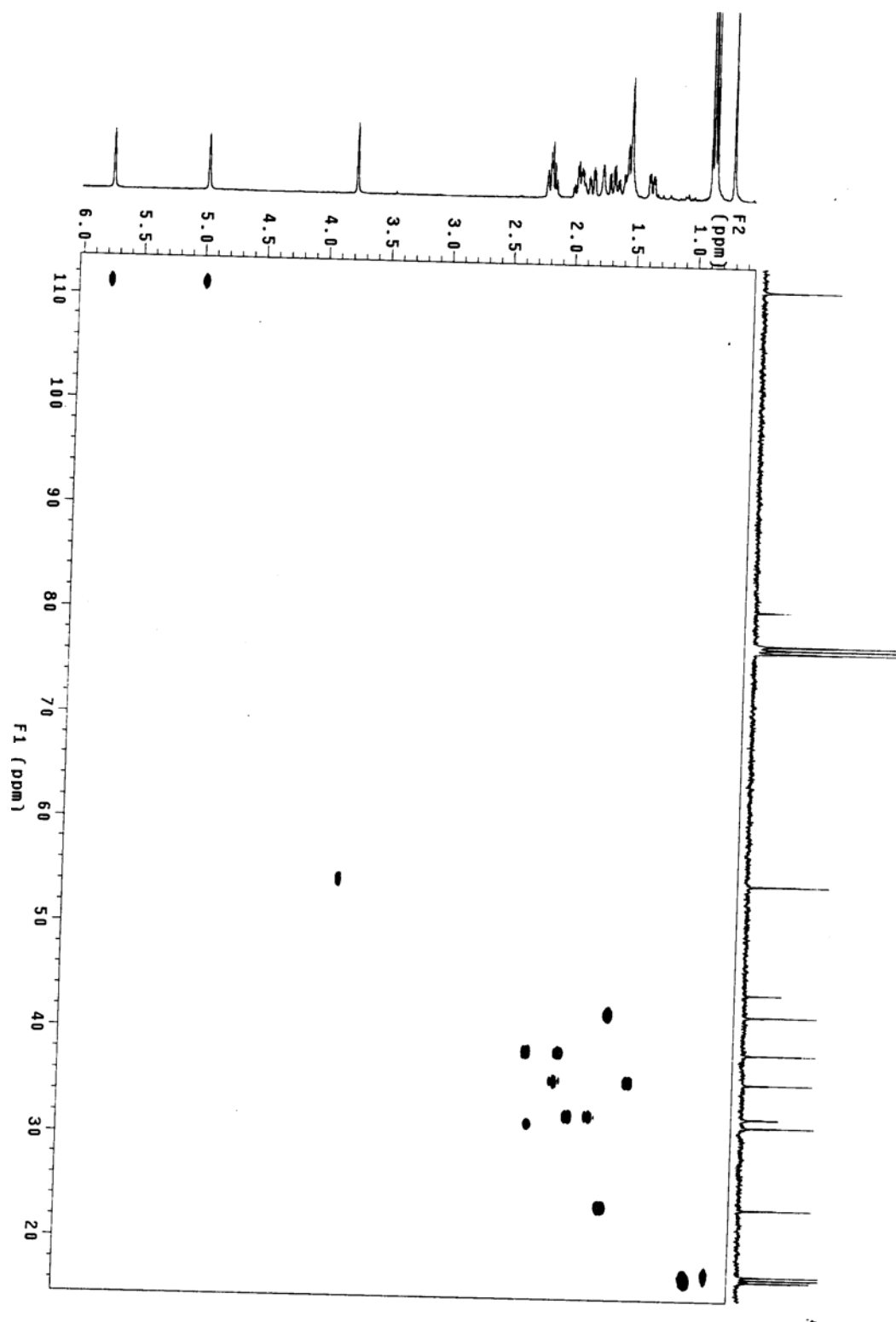


Figure S28. ^1H NMR spectrum of compound **8** in CDCl_3

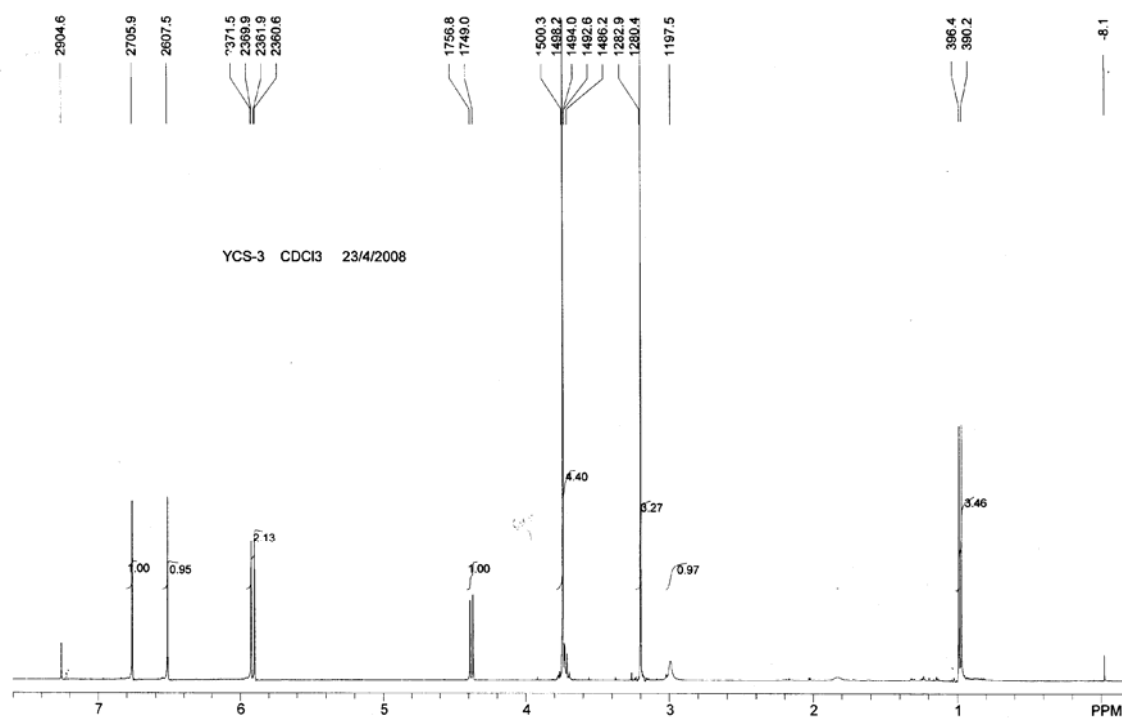


Figure S29. ^1H NMR spectrum of compound **9** in CDCl_3

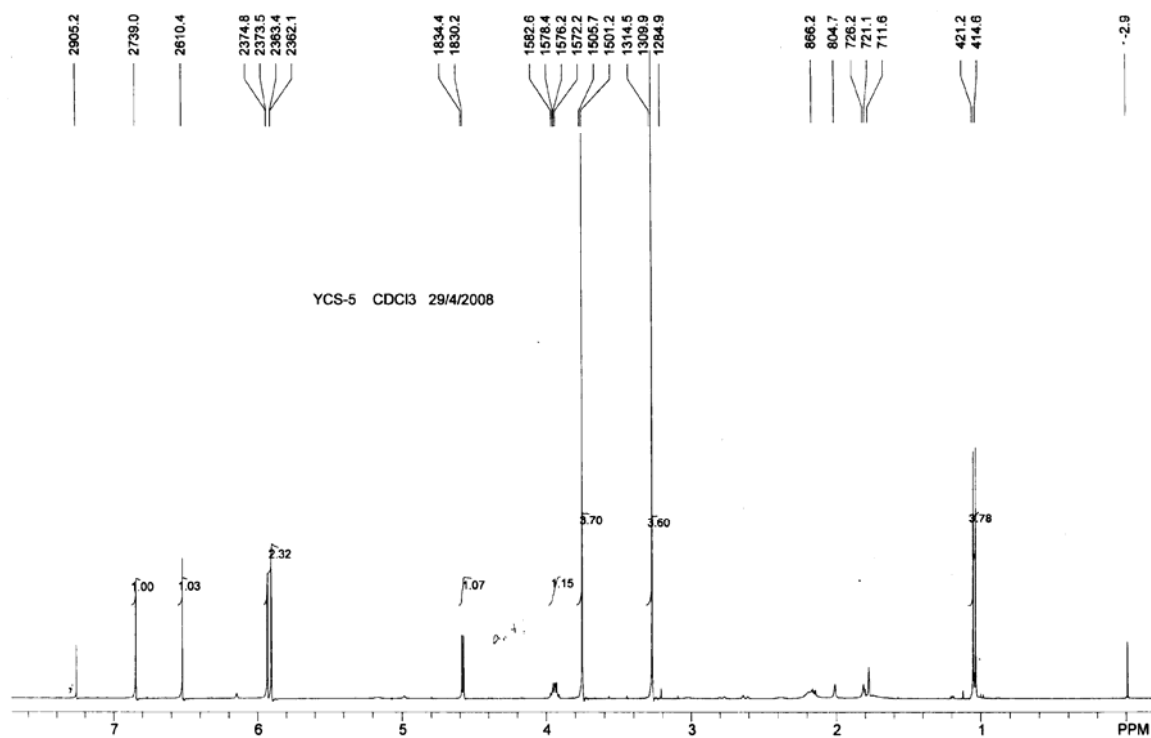


Figure S30. ^{13}C NMR spectrum of compound **8** in CDCl_3

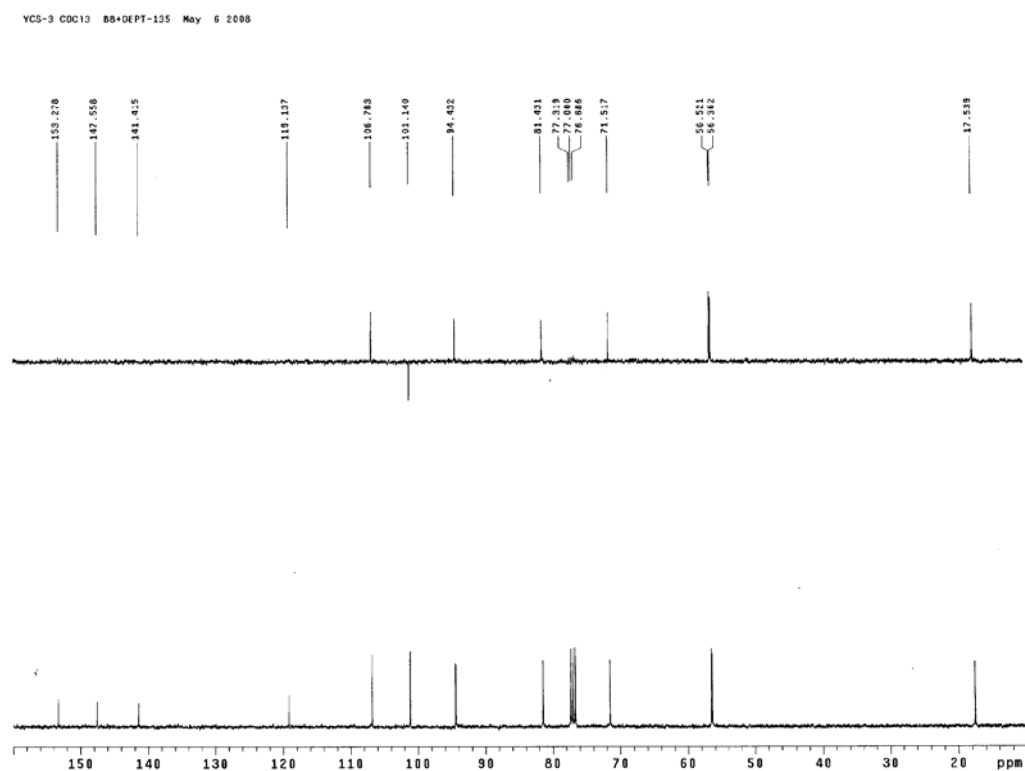


Figure S31. ^{13}C NMR spectrum of compound **9** in CDCl_3

