

SUPPLEMENTARY MATERIAL

Synthesis and structure–activity relationship study: Anticancer chalcones derived from 4'-morpholinoacetophenone

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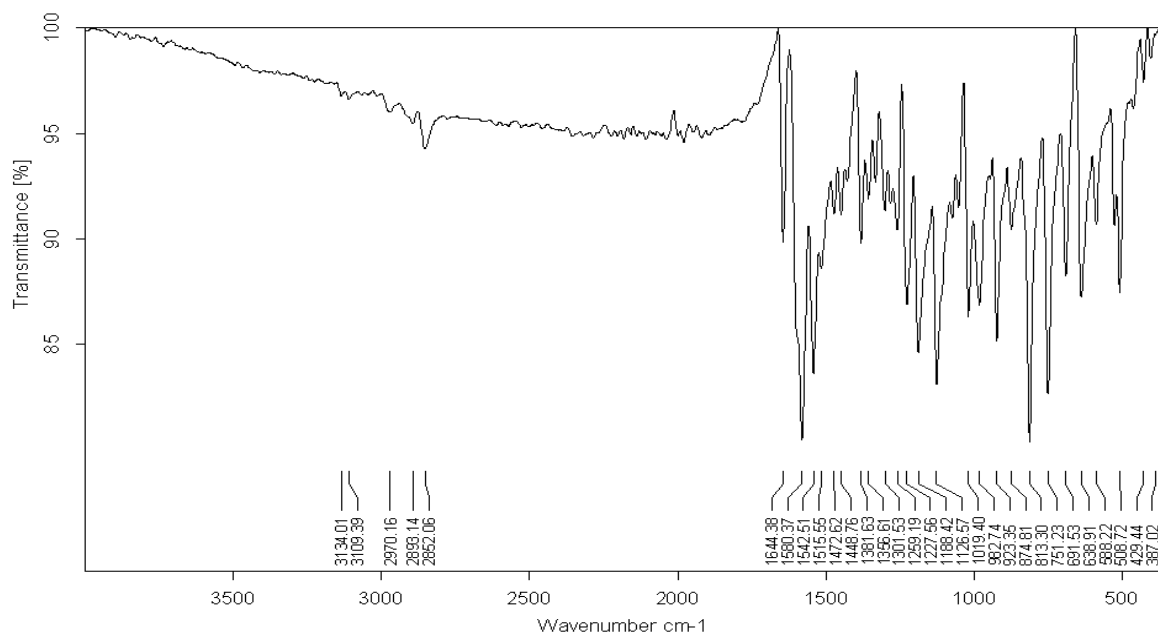


Figure 1. FT-IR spectrum of compound 1

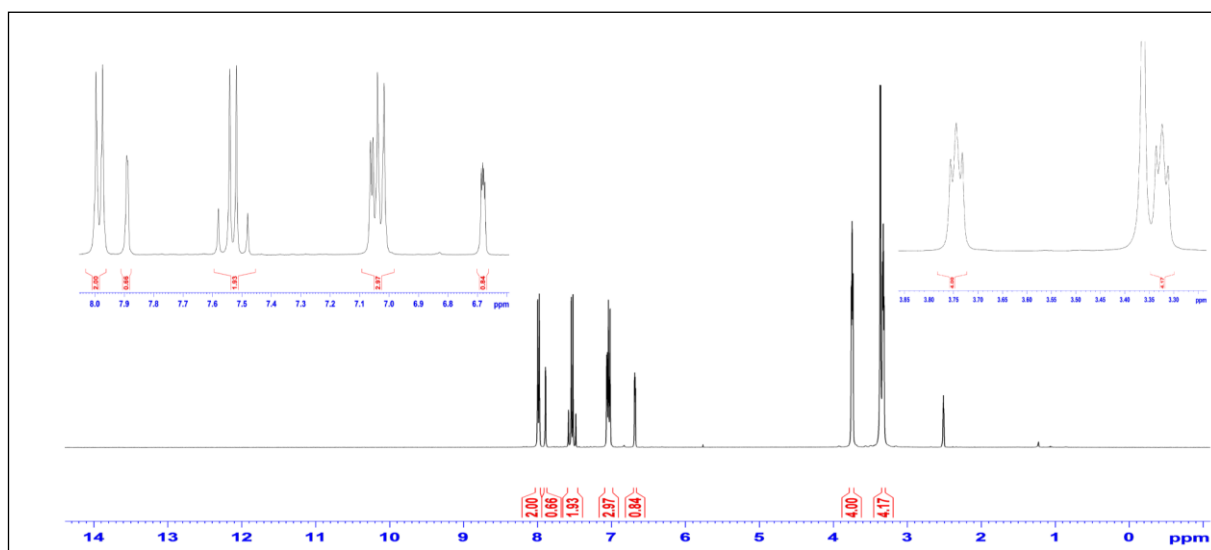


Figure 2. ¹H NMR spectrum of compound 1

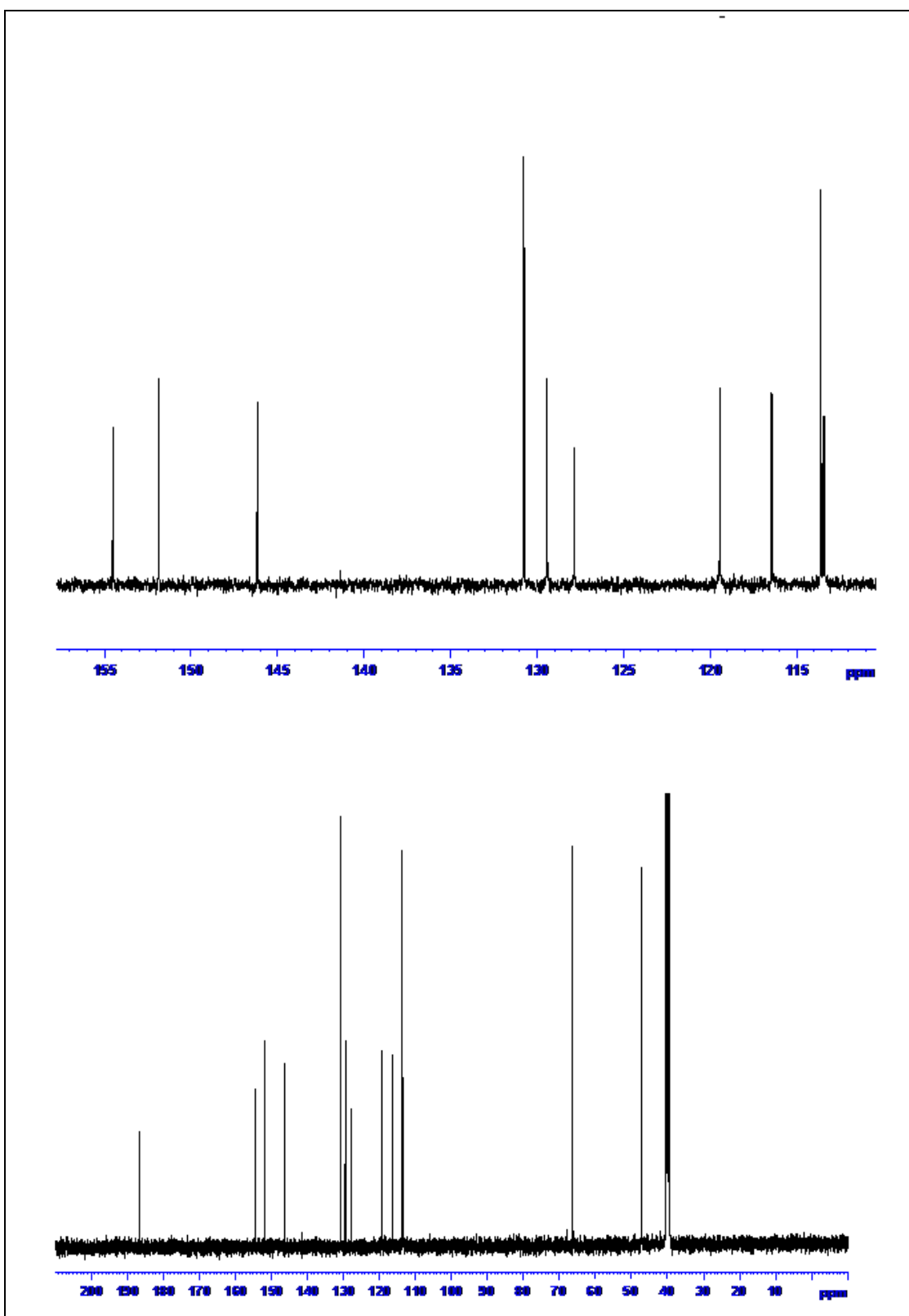


Figure 3. ^{13}C NMR spectrum of compound 1

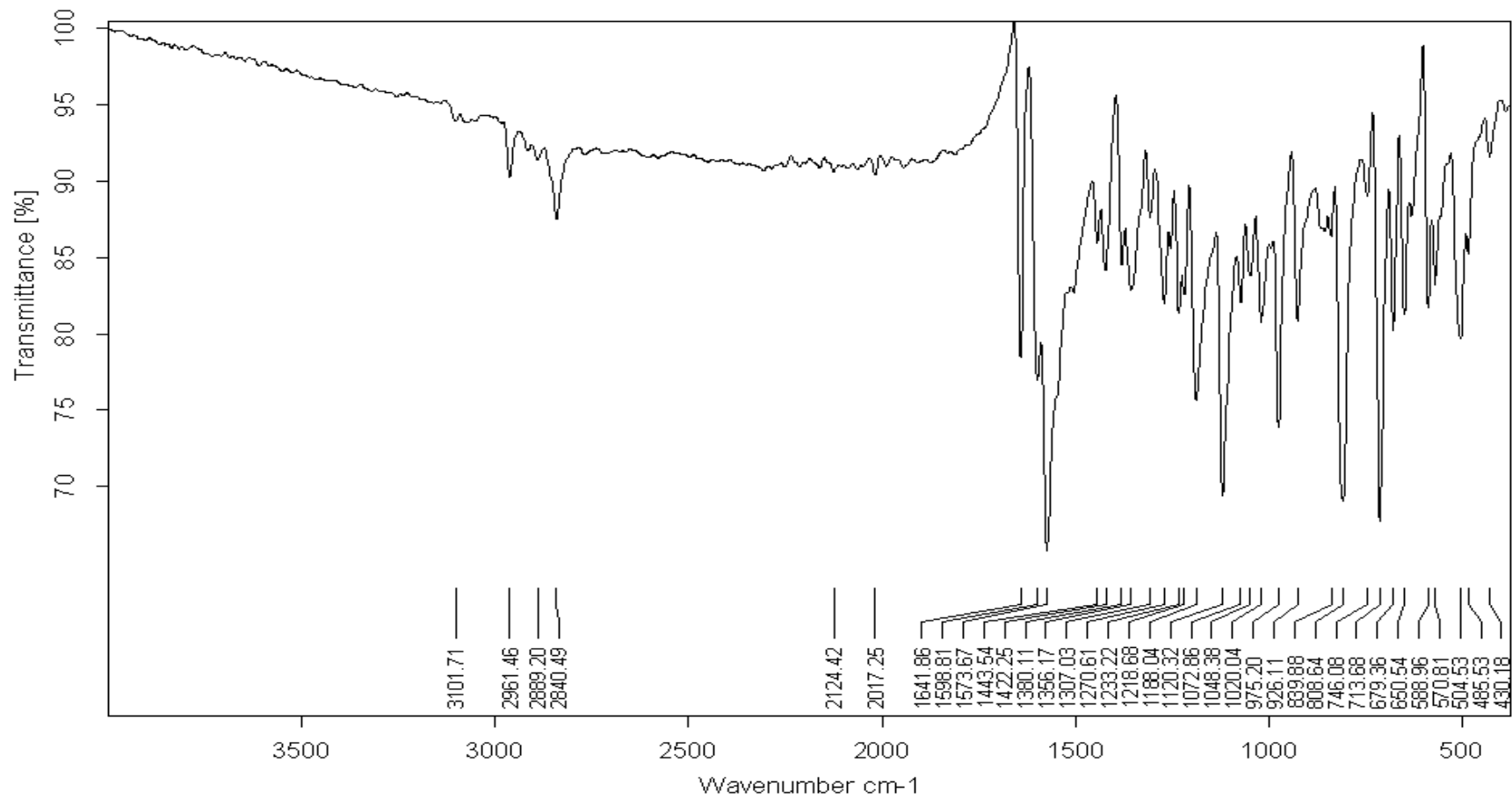


Figure 4. FT-IR spectrum of compound 2

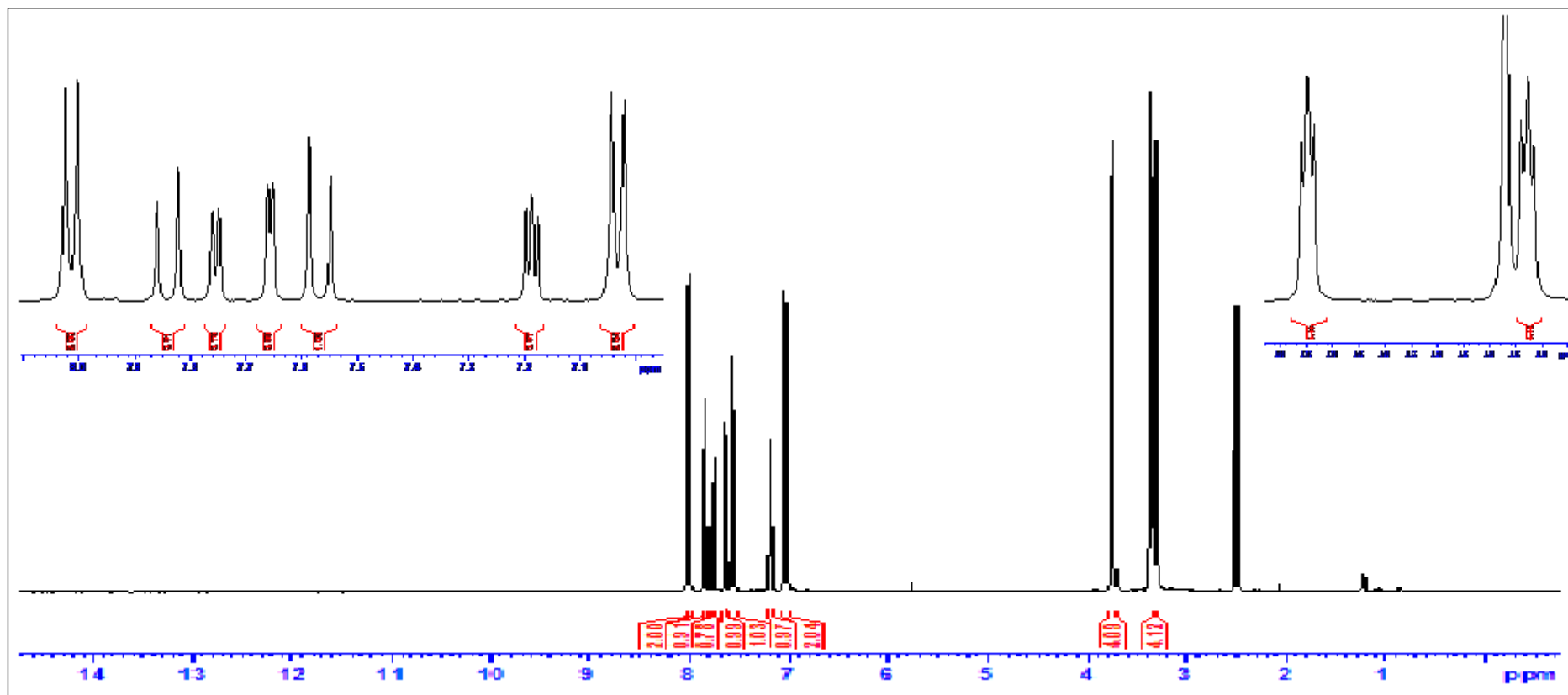


Figure 5. ^1H NMR spectrum of compound 2

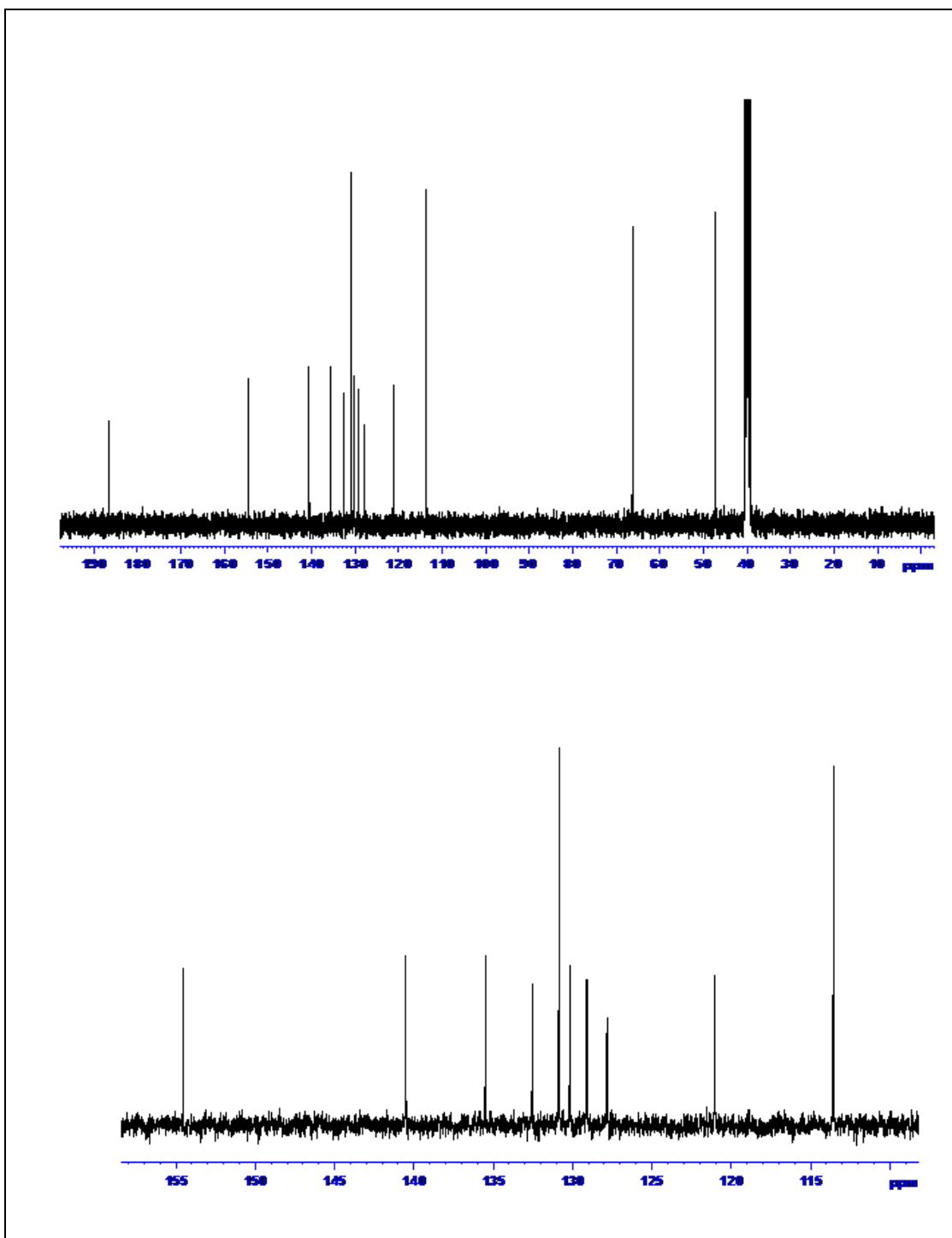


Figure 6. ^{13}C NMR spectrum of compound 2

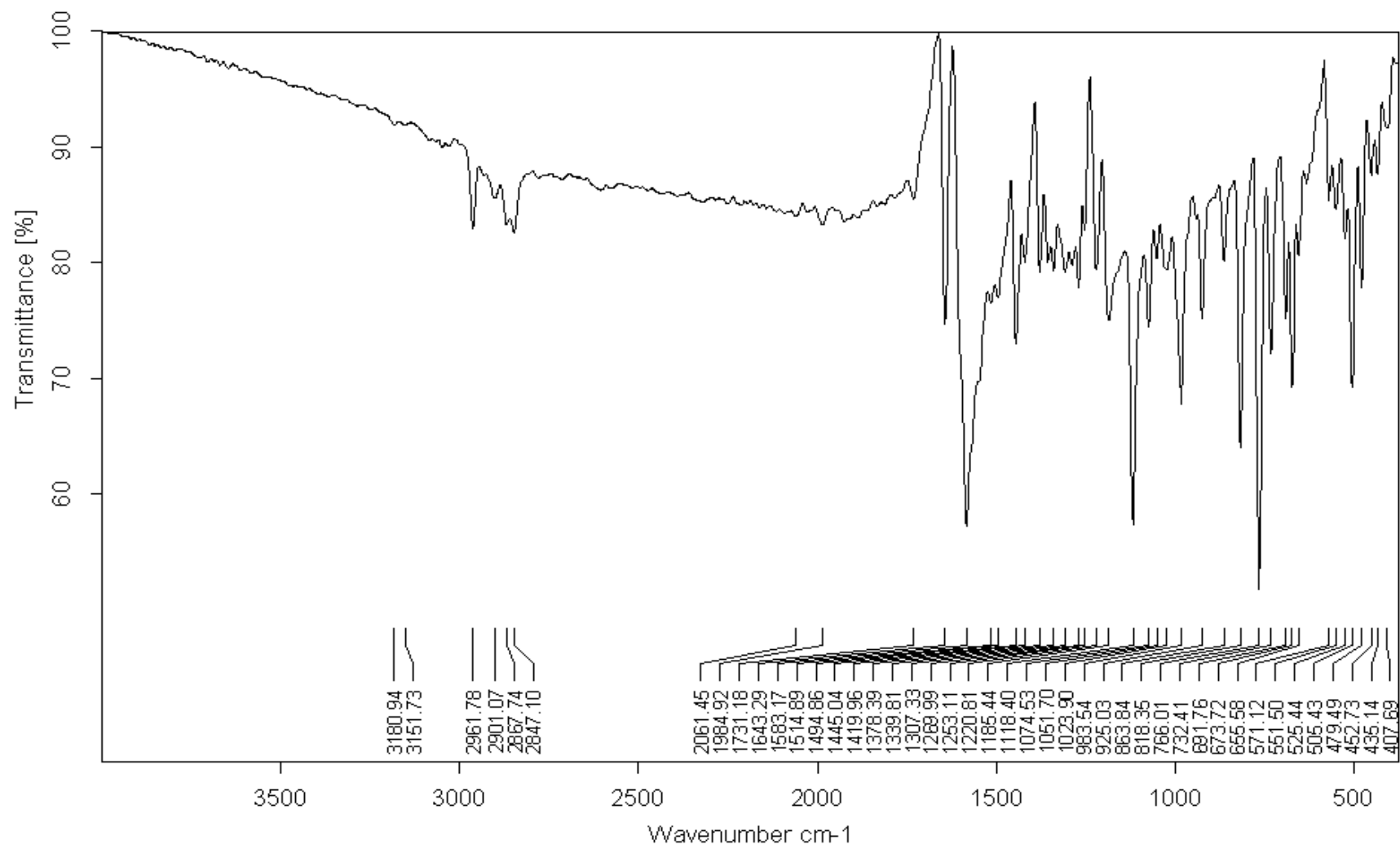


Figure 7. FT-IR spectrum of compound 3

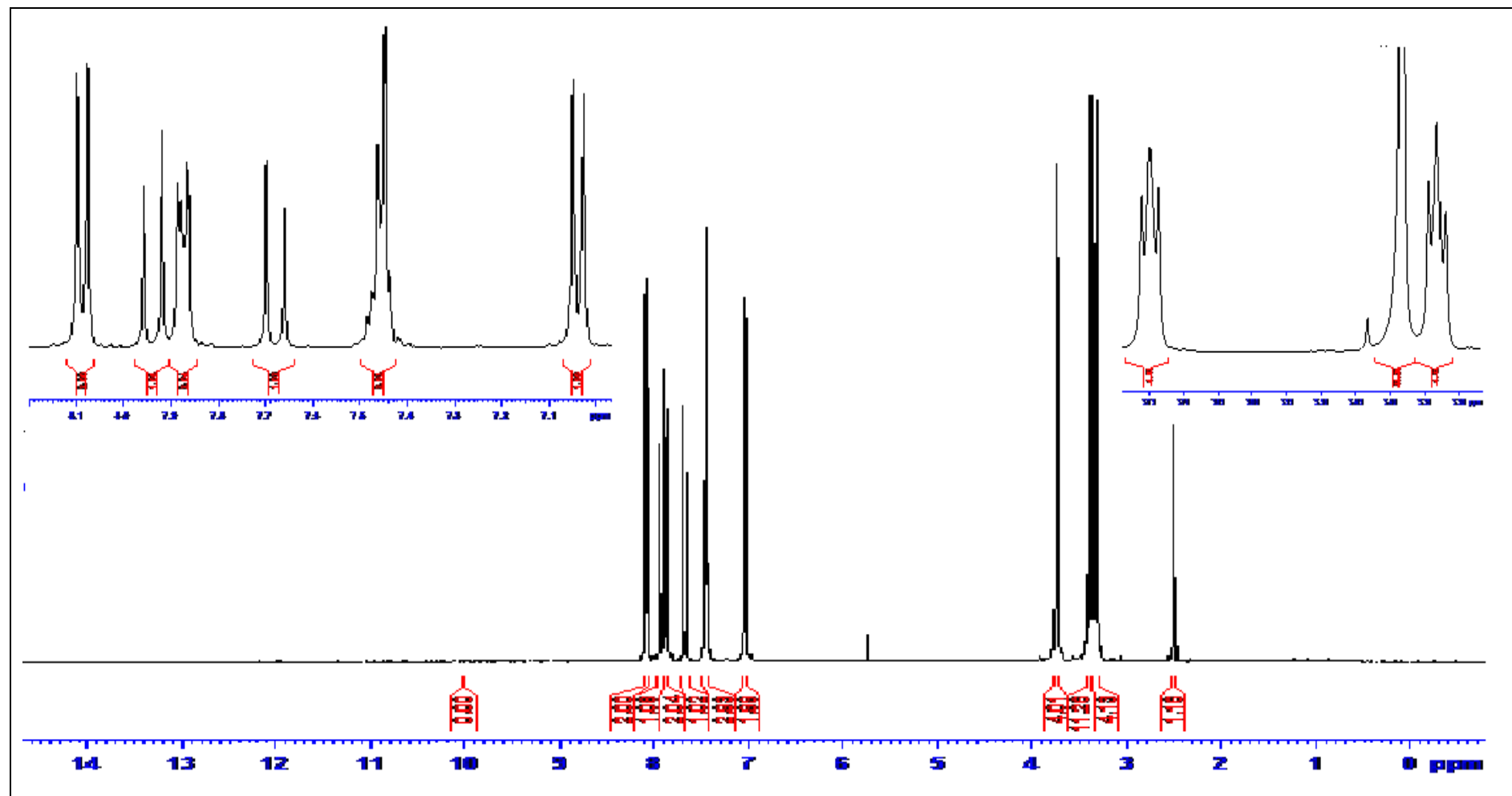


Figure 8. ^1H NMR spectrum of compound 3

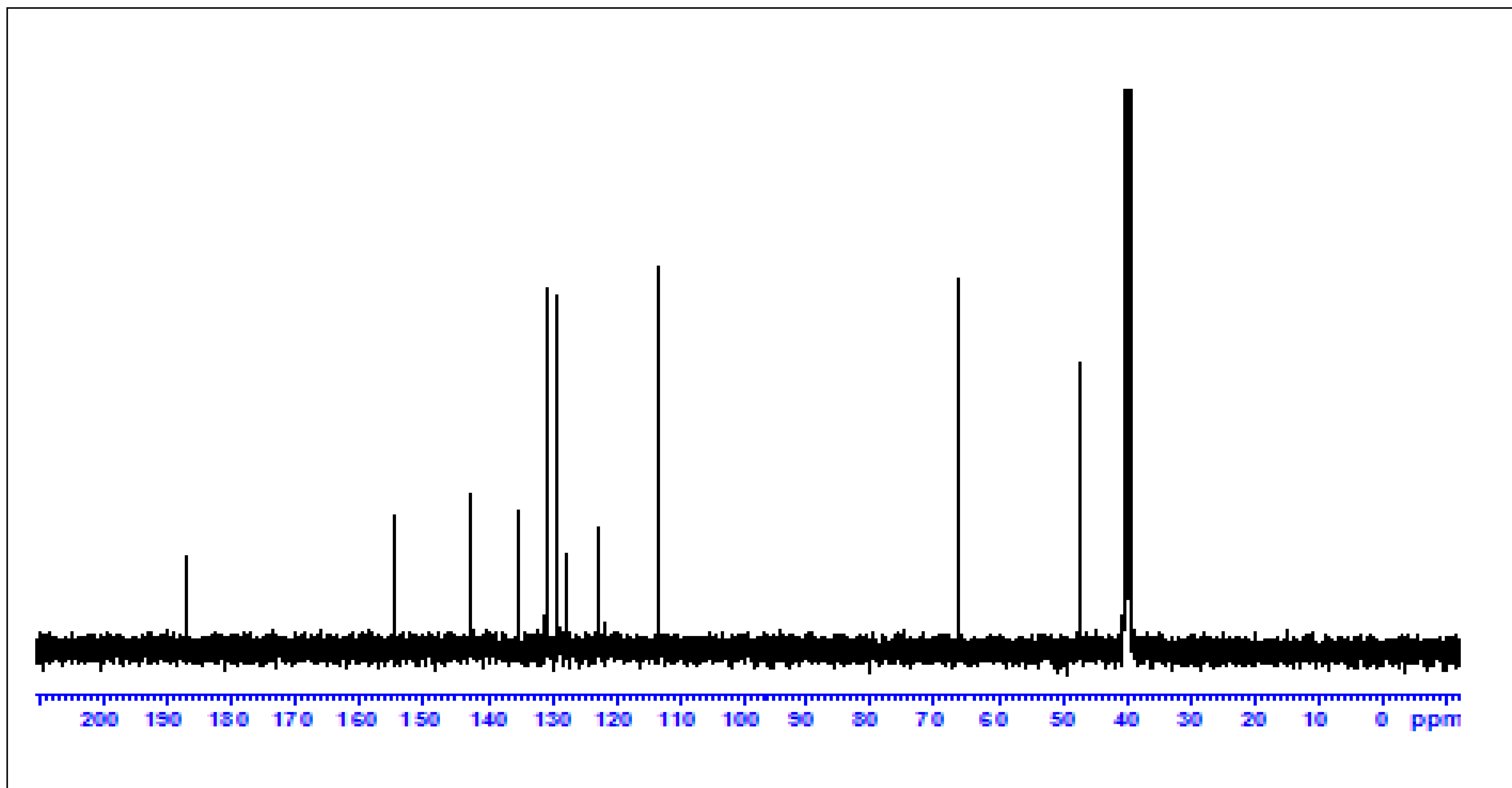


Figure 9. ^{13}C NMR spectrum of compound 3

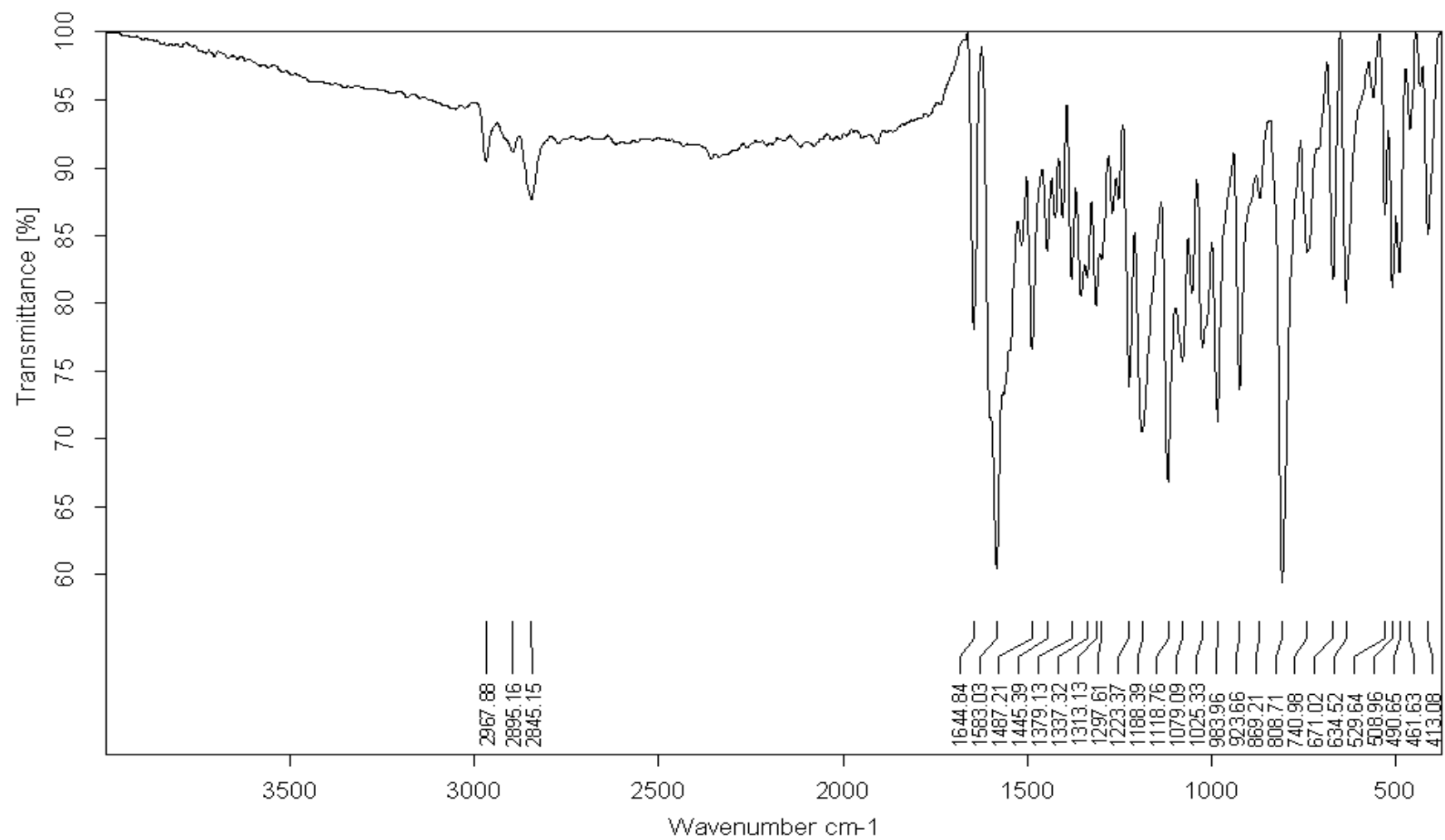


Figure 10. FT-IR spectrum of compound 4

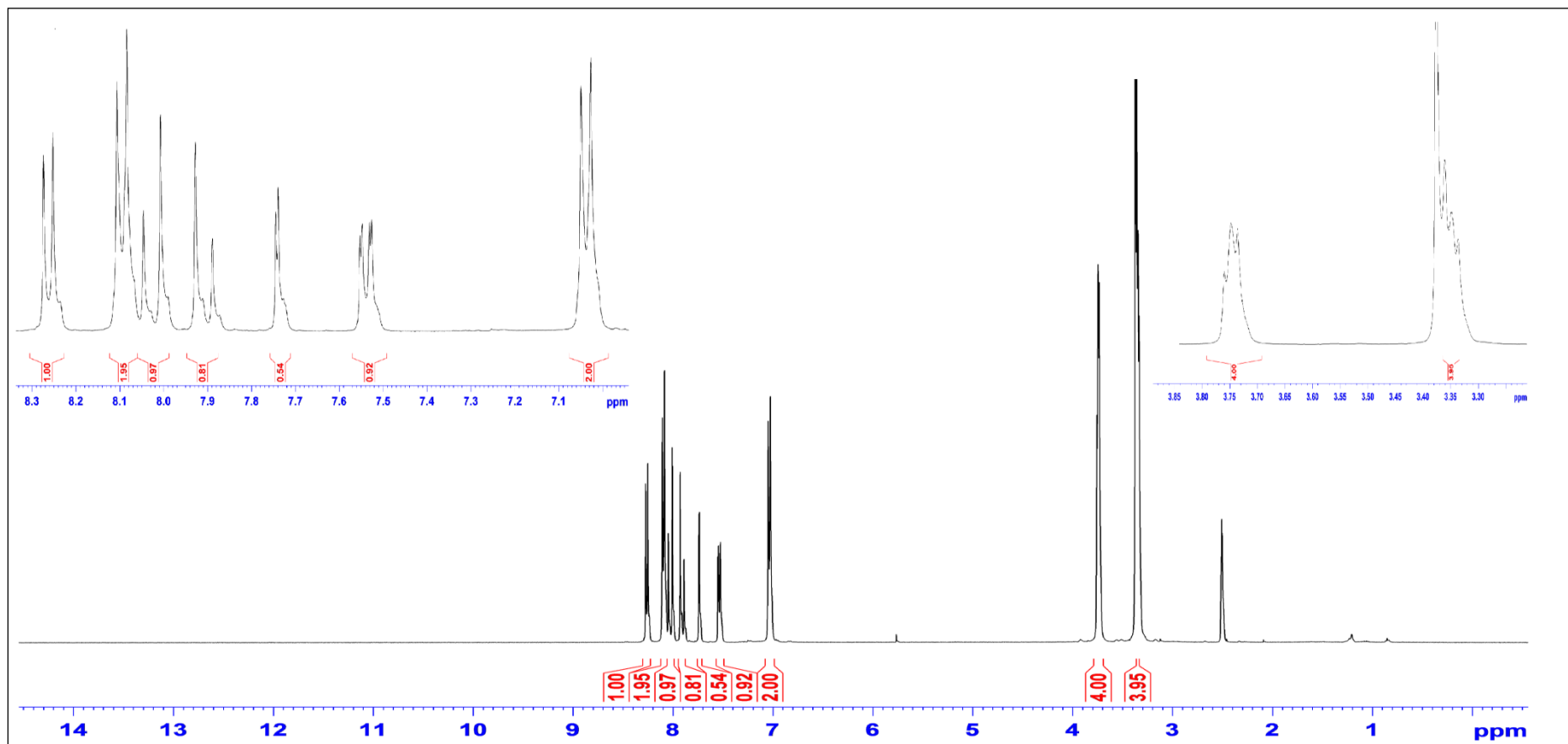


Figure 11. ¹H NMR spectrum of compound 4

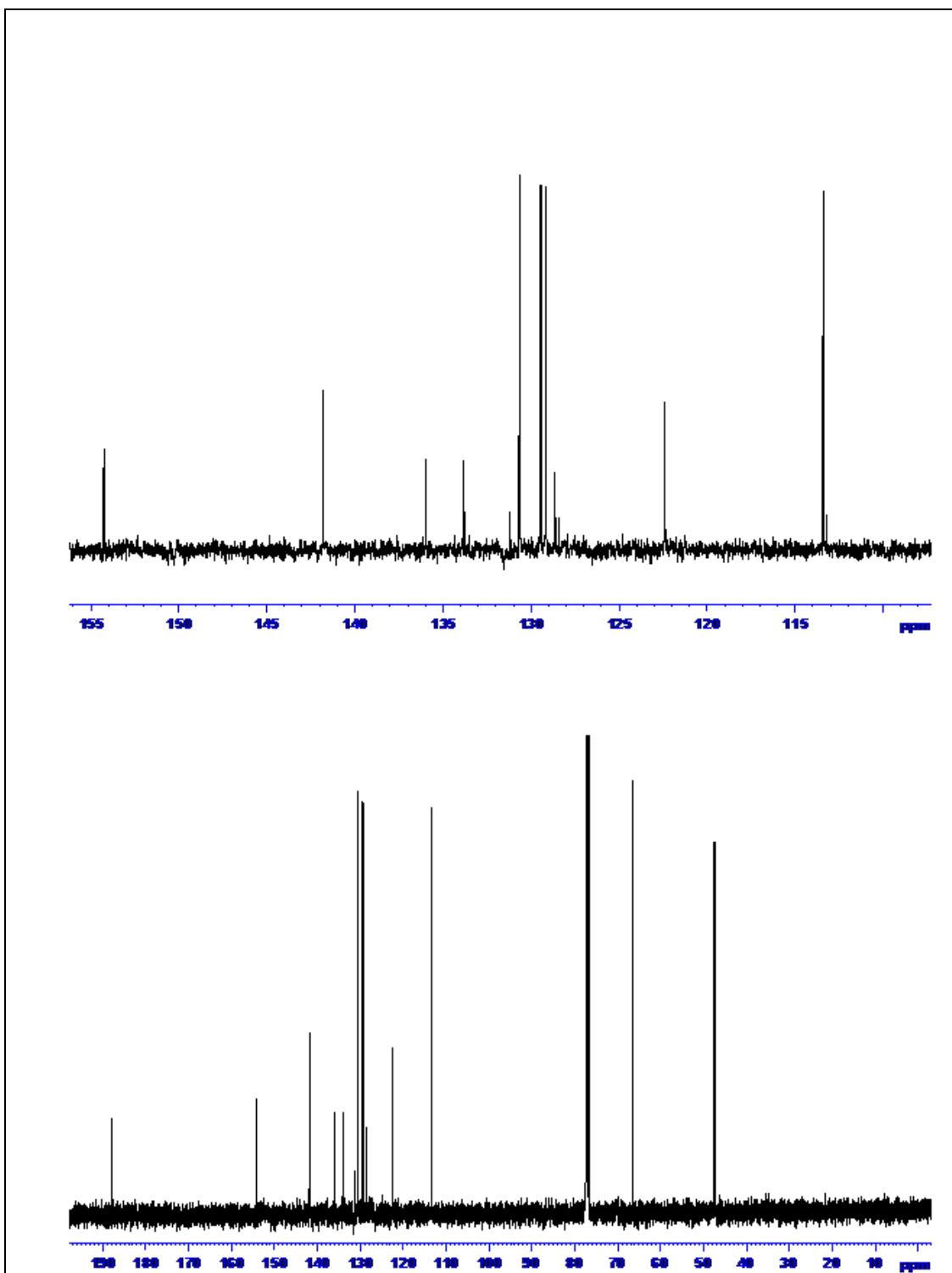


Figure 12. ^{13}C NMR spectrum of compound 4

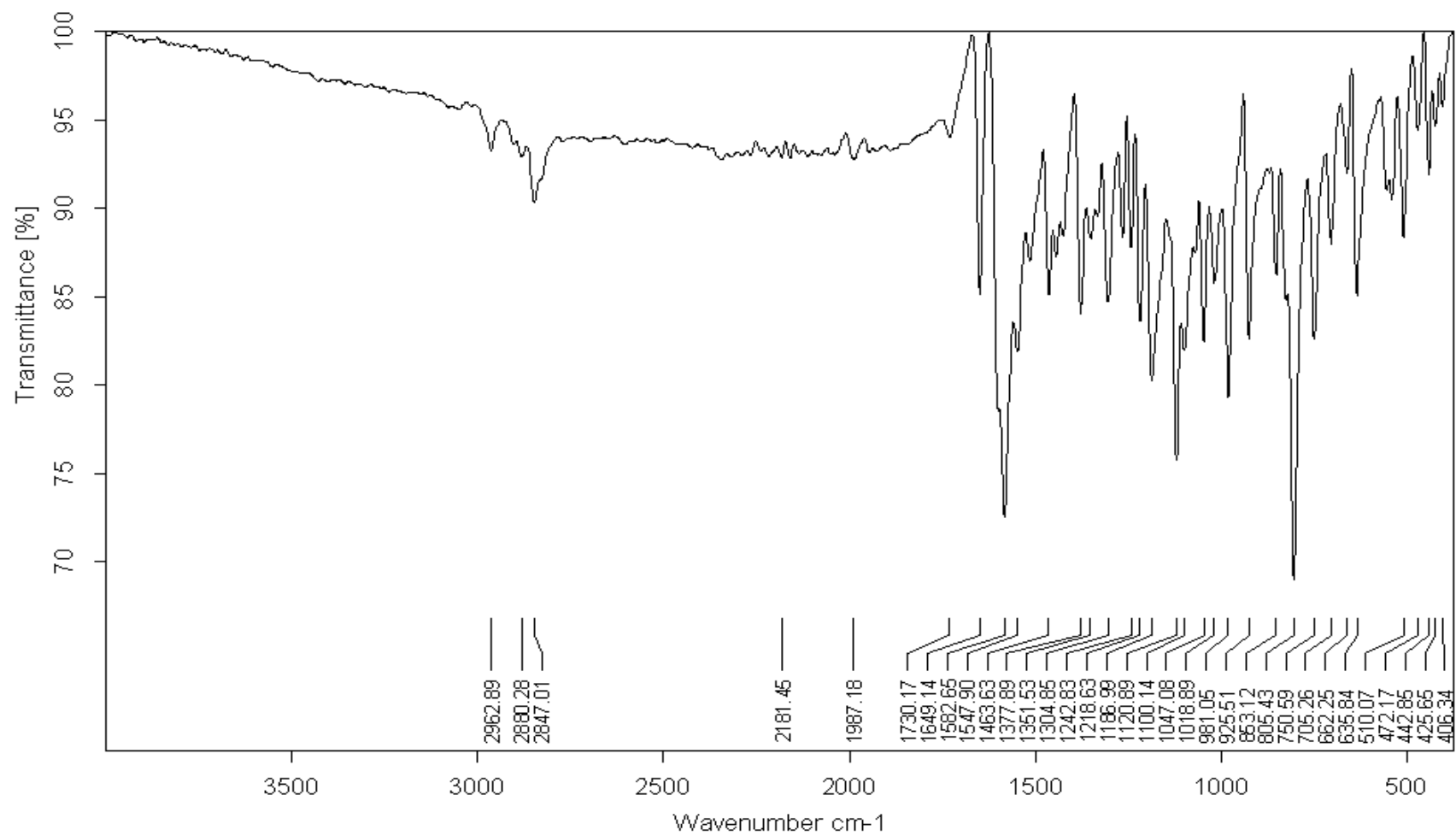


Figure 13. FT-IR spectrum of compound 5

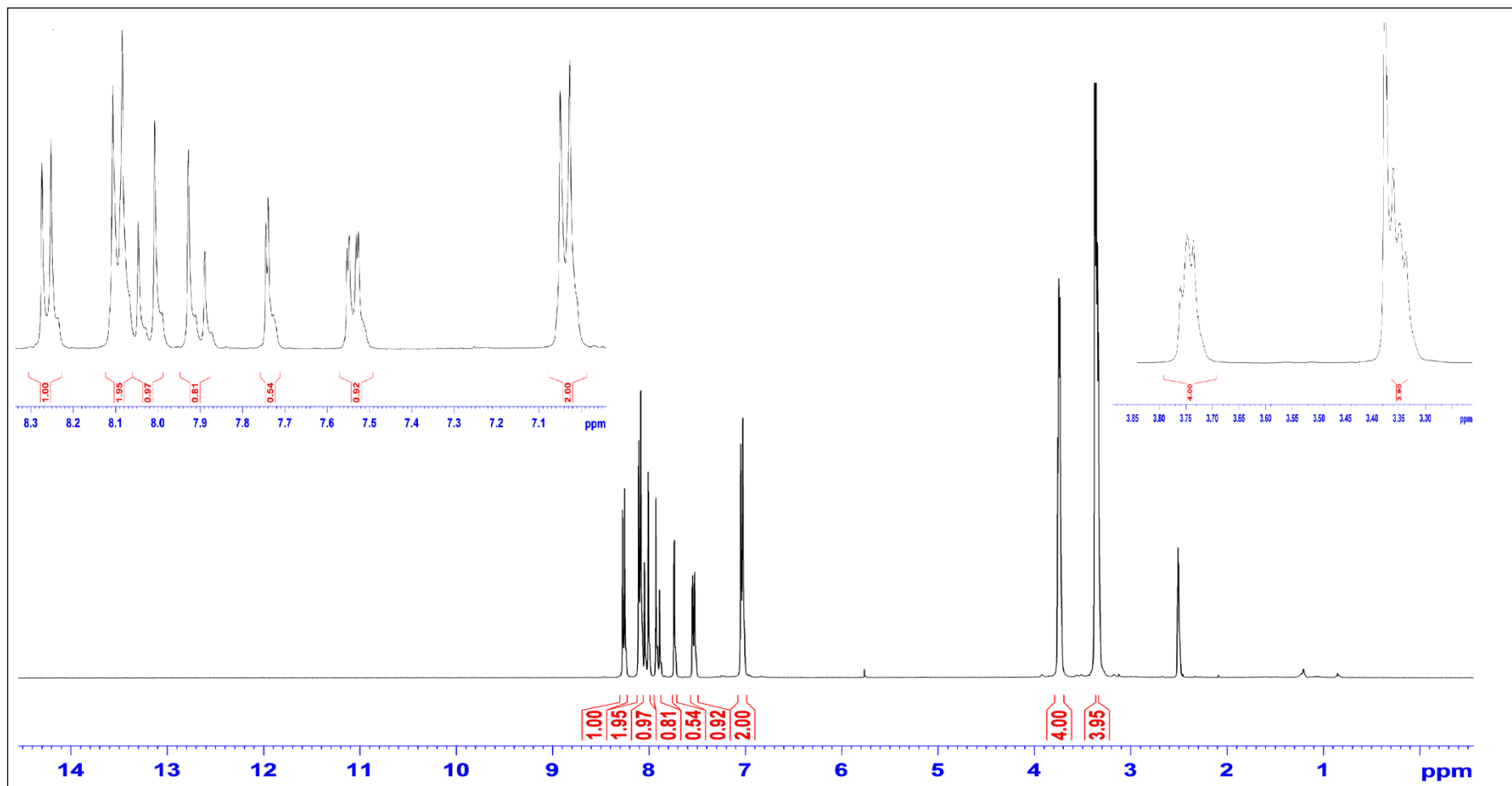


Figure 14. ¹H NMR spectrum of compound 5

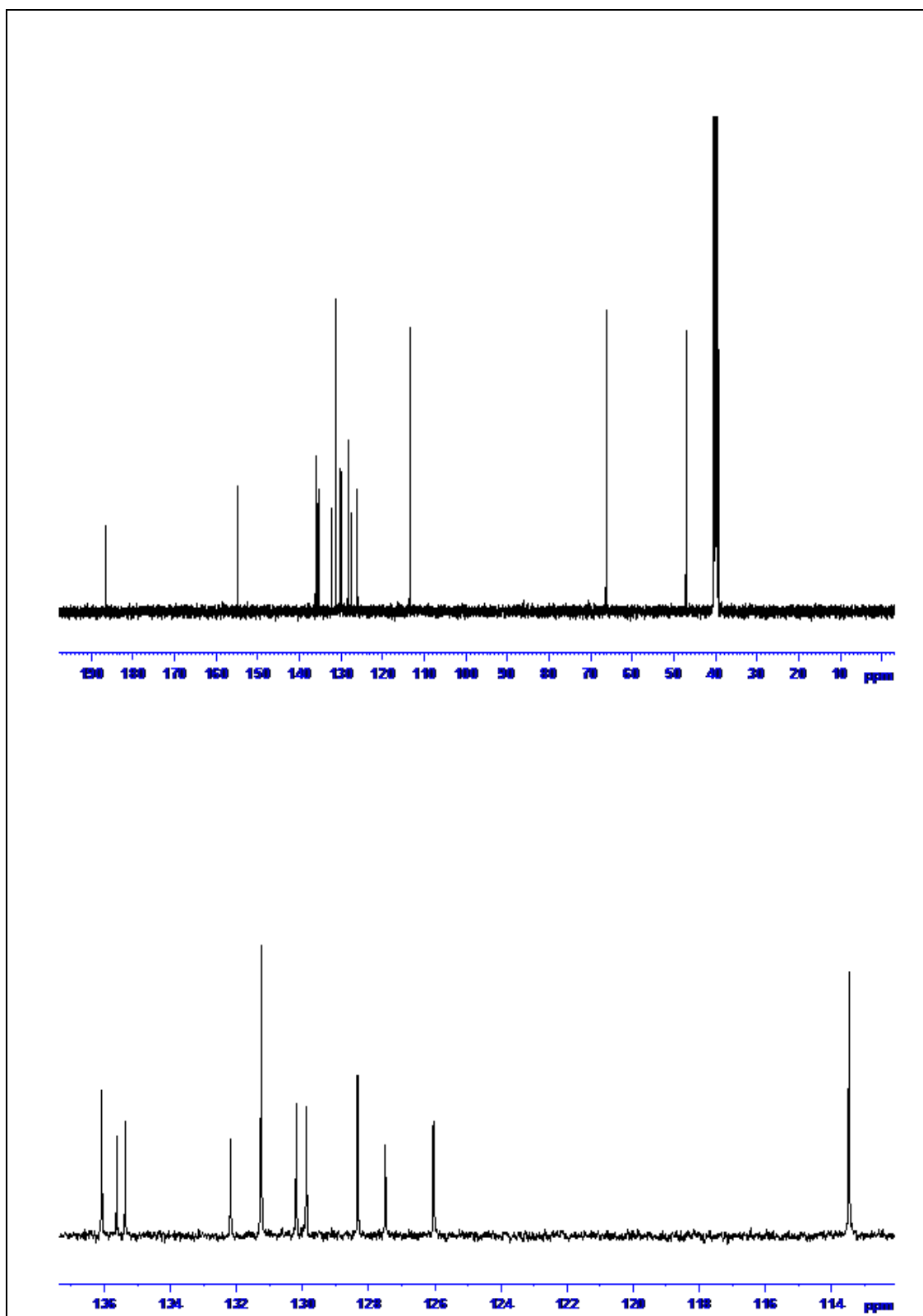


Figure 15. ^{13}C NMR spectrum of compound 5

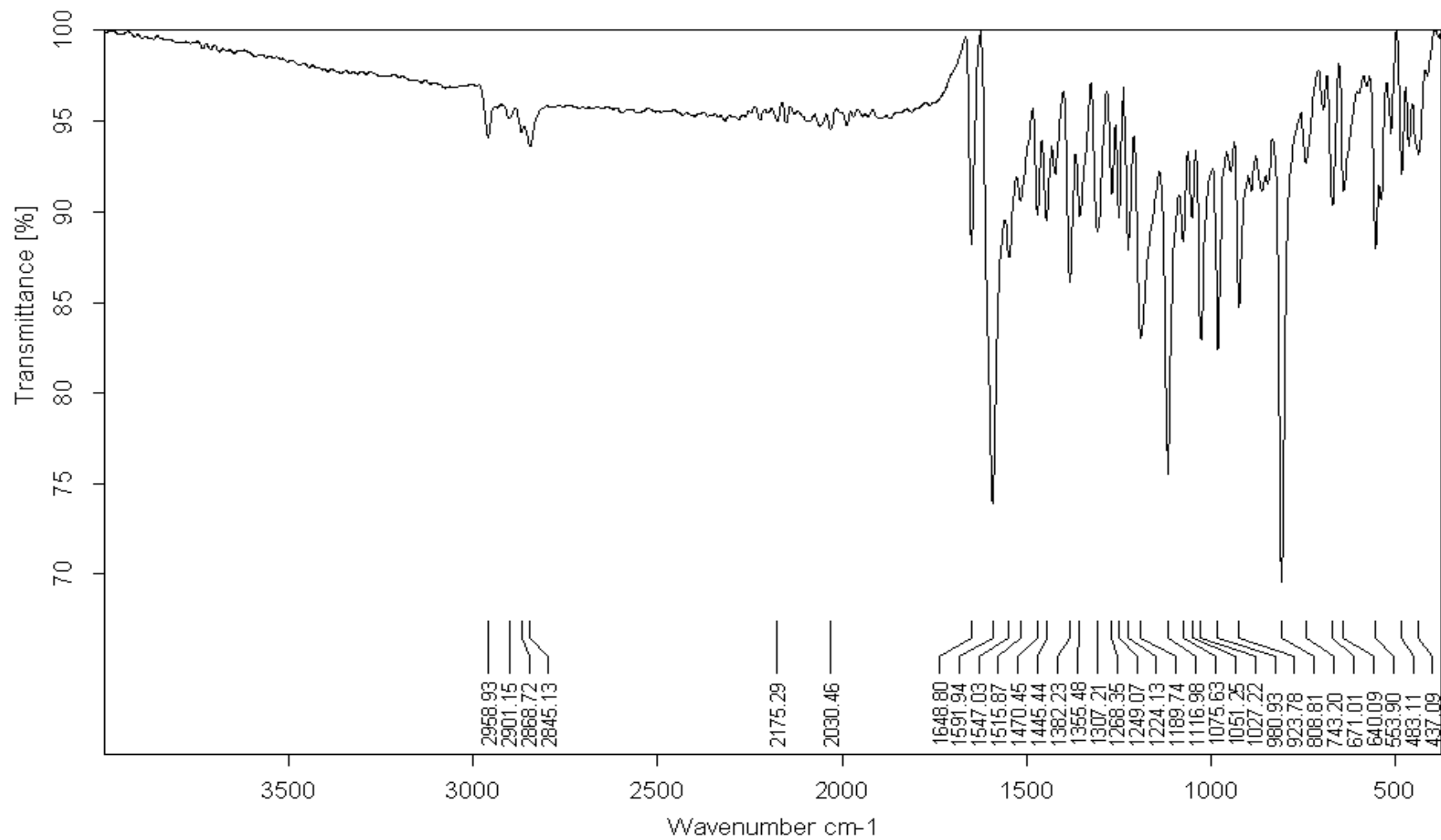


Figure 16. FT-IR spectrum of compound 6

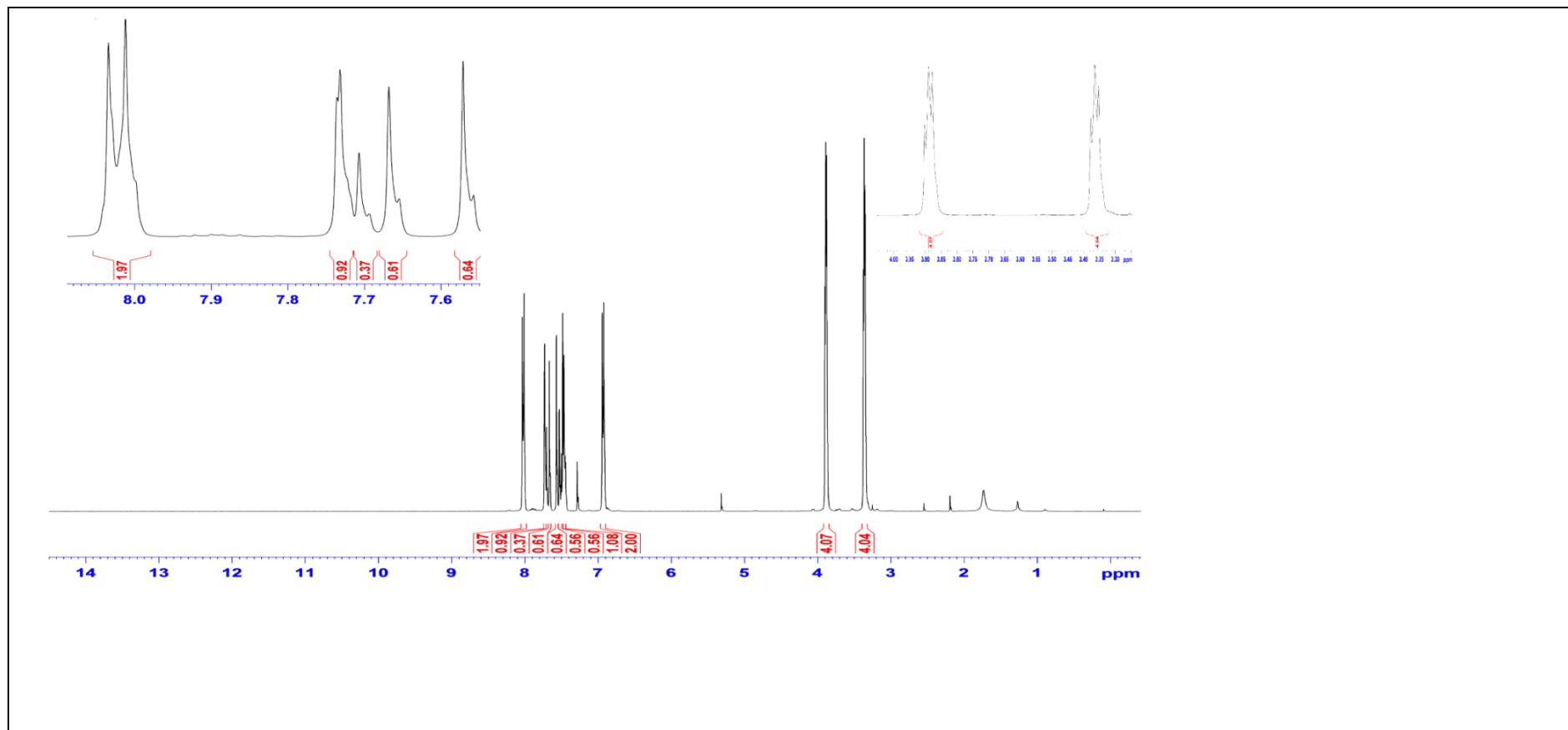


Figure 17. ^1H NMR spectrum of compound 6

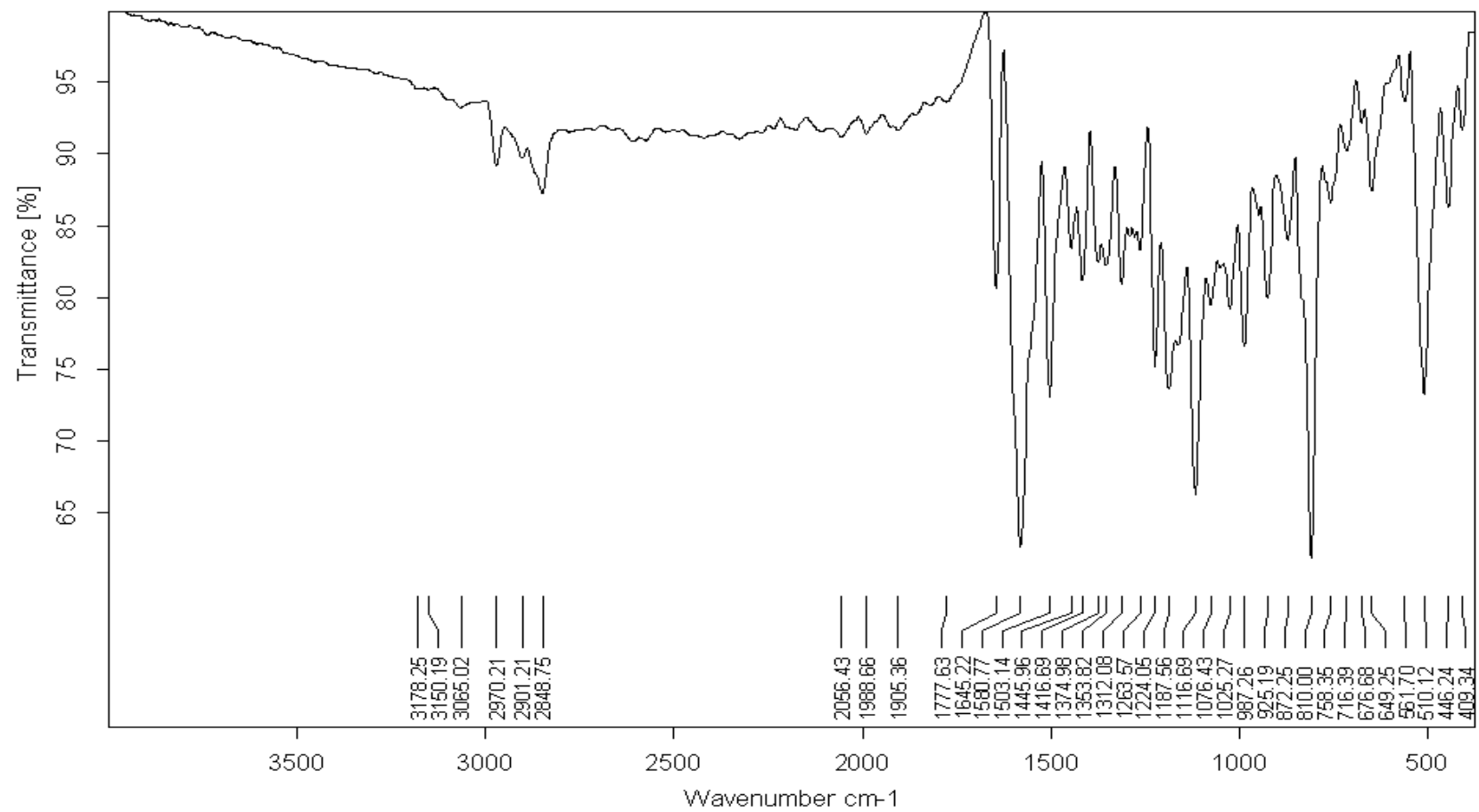


Figure 18. FT-IR spectrum of compound 7

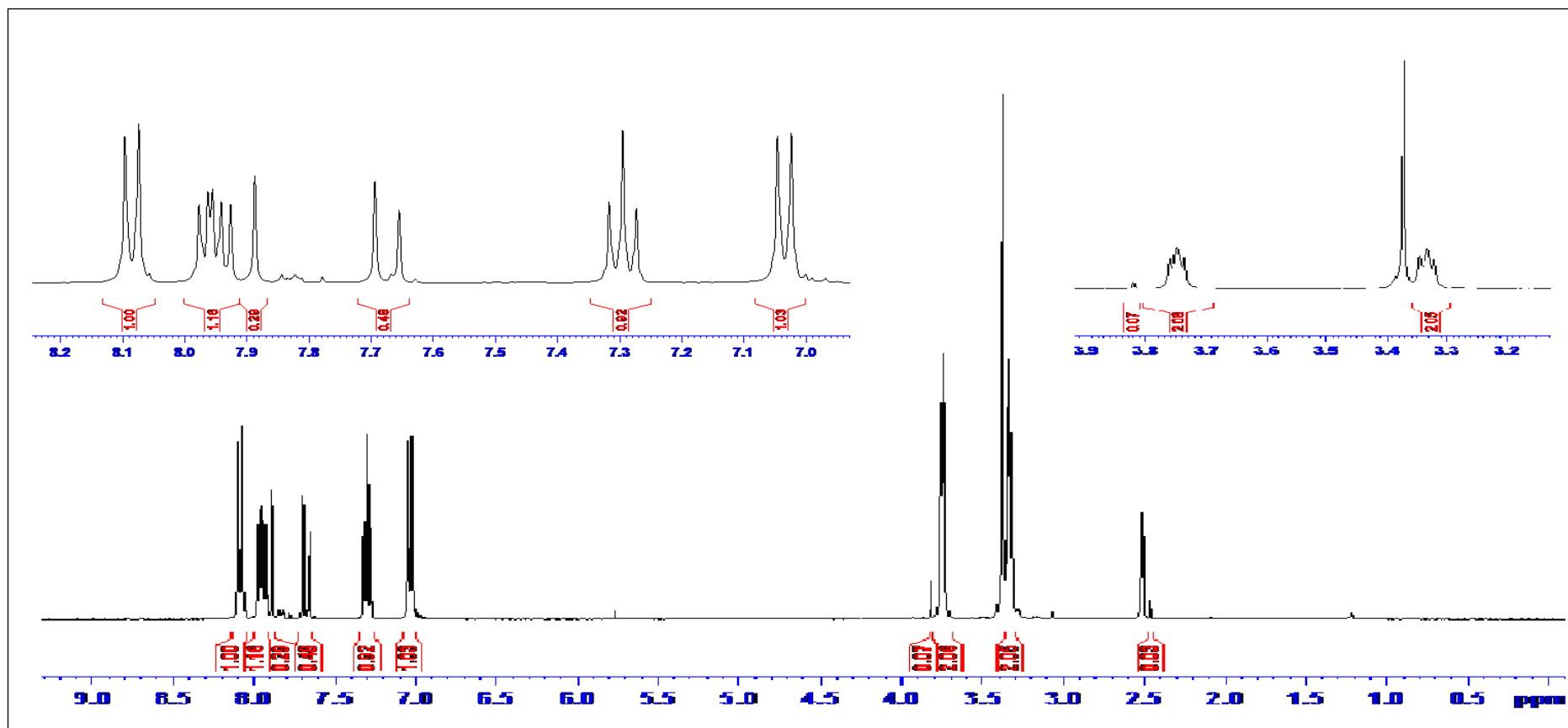


Figure 19. ¹H NMR spectrum of compound 7

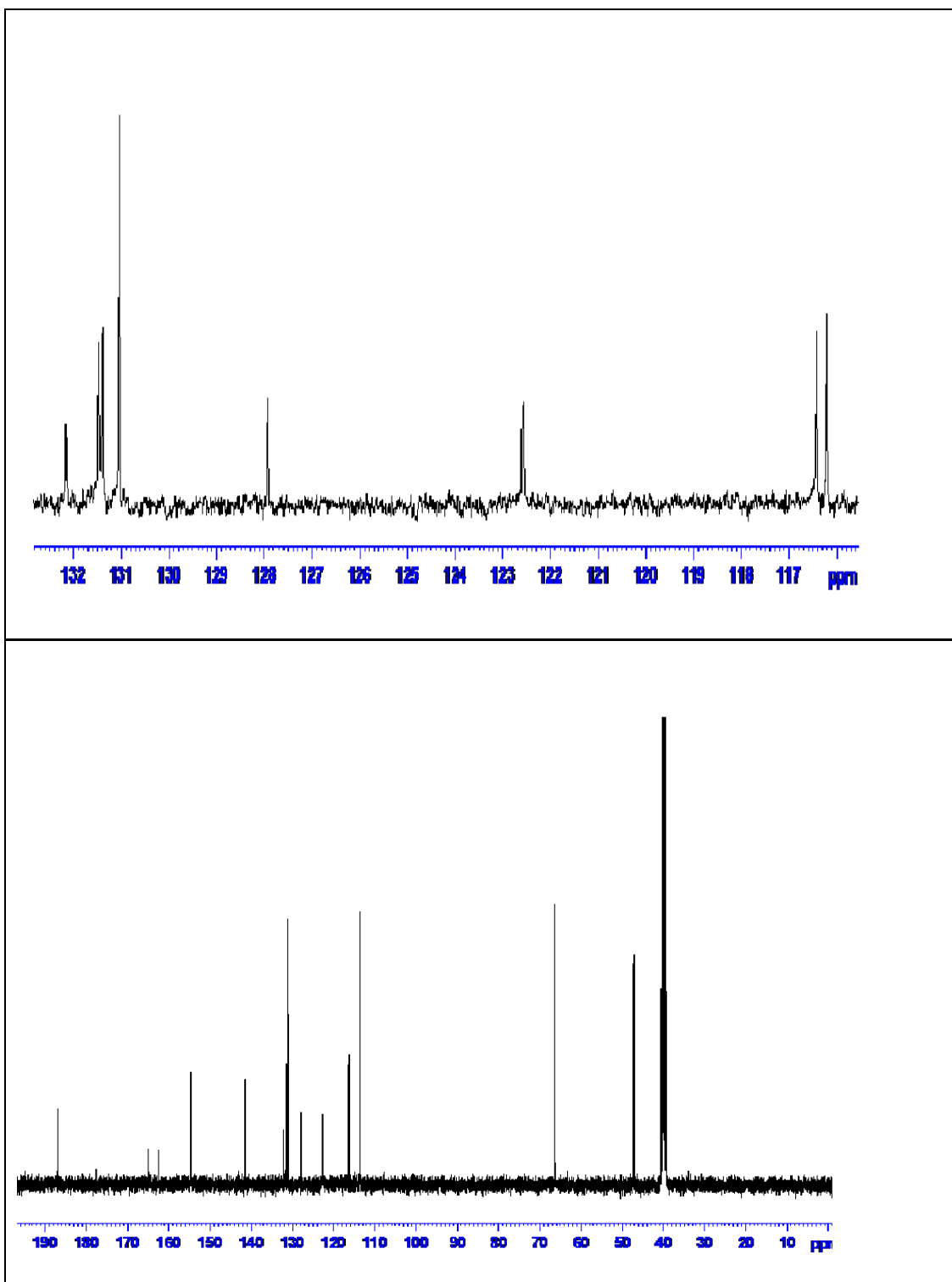


Figure 20. ^{13}C NMR spectrum of compound 7

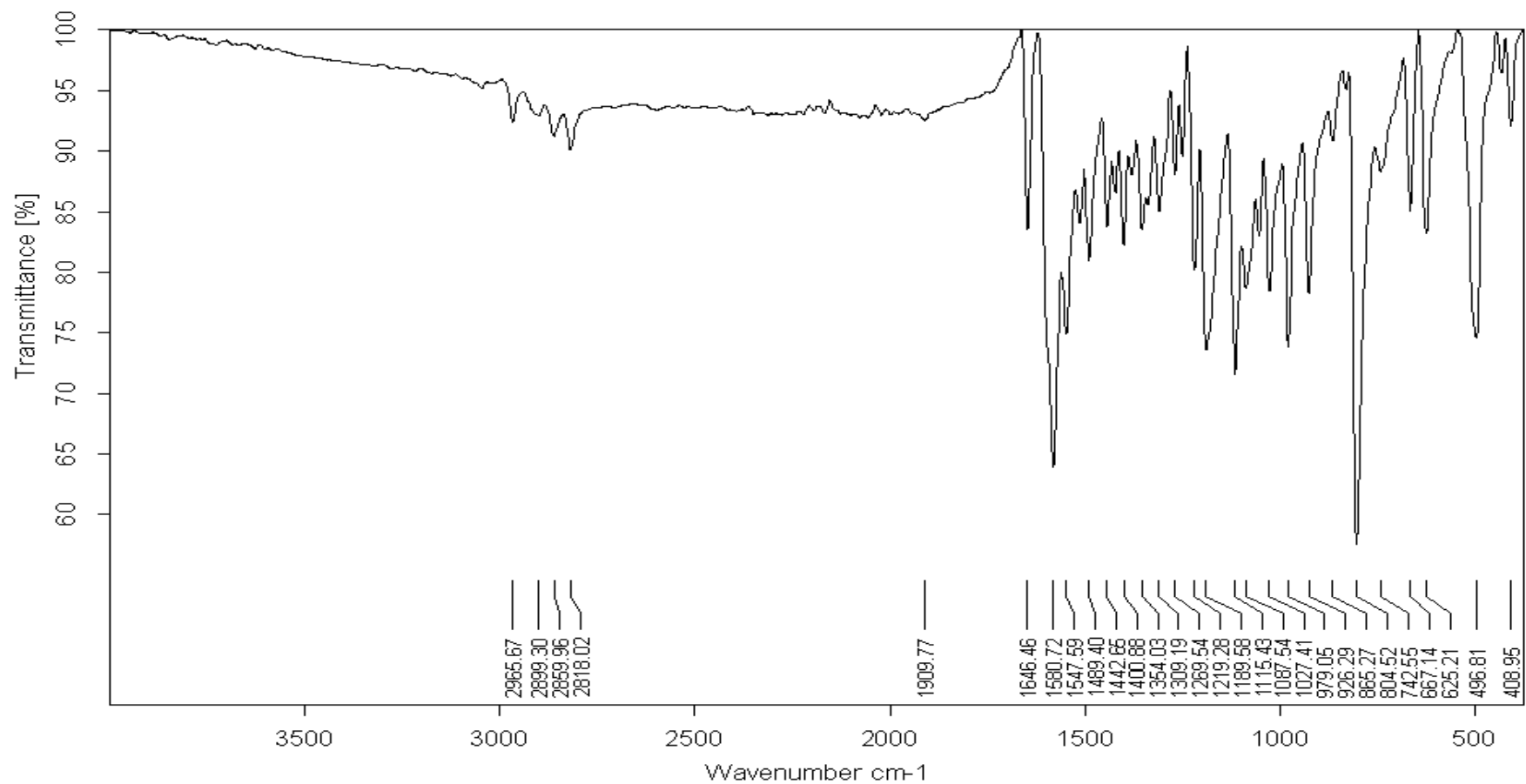


Figure 21. FT-IR spectrum of compound 8

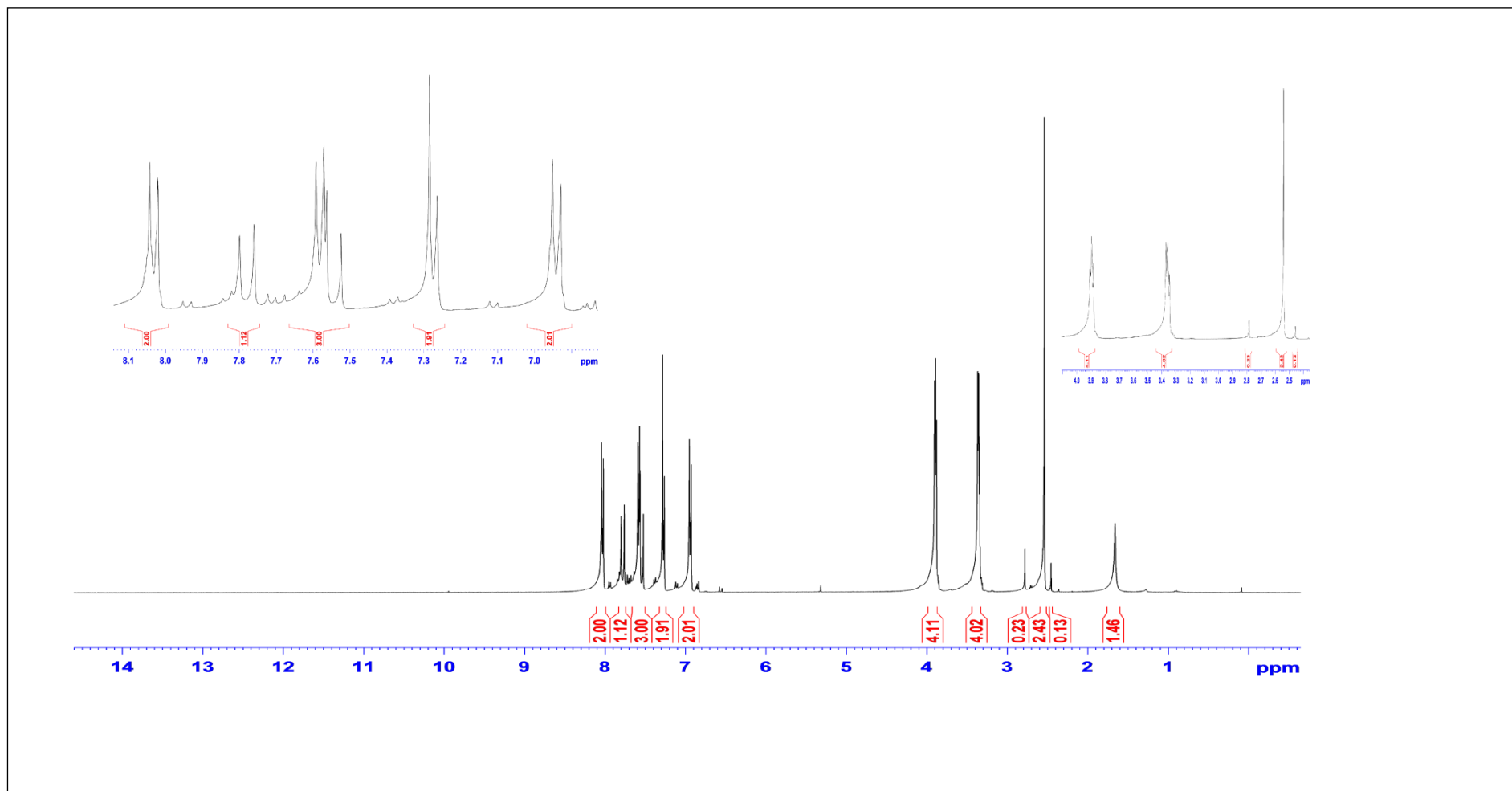


Figure 22. ¹H NMR spectrum of compound 8

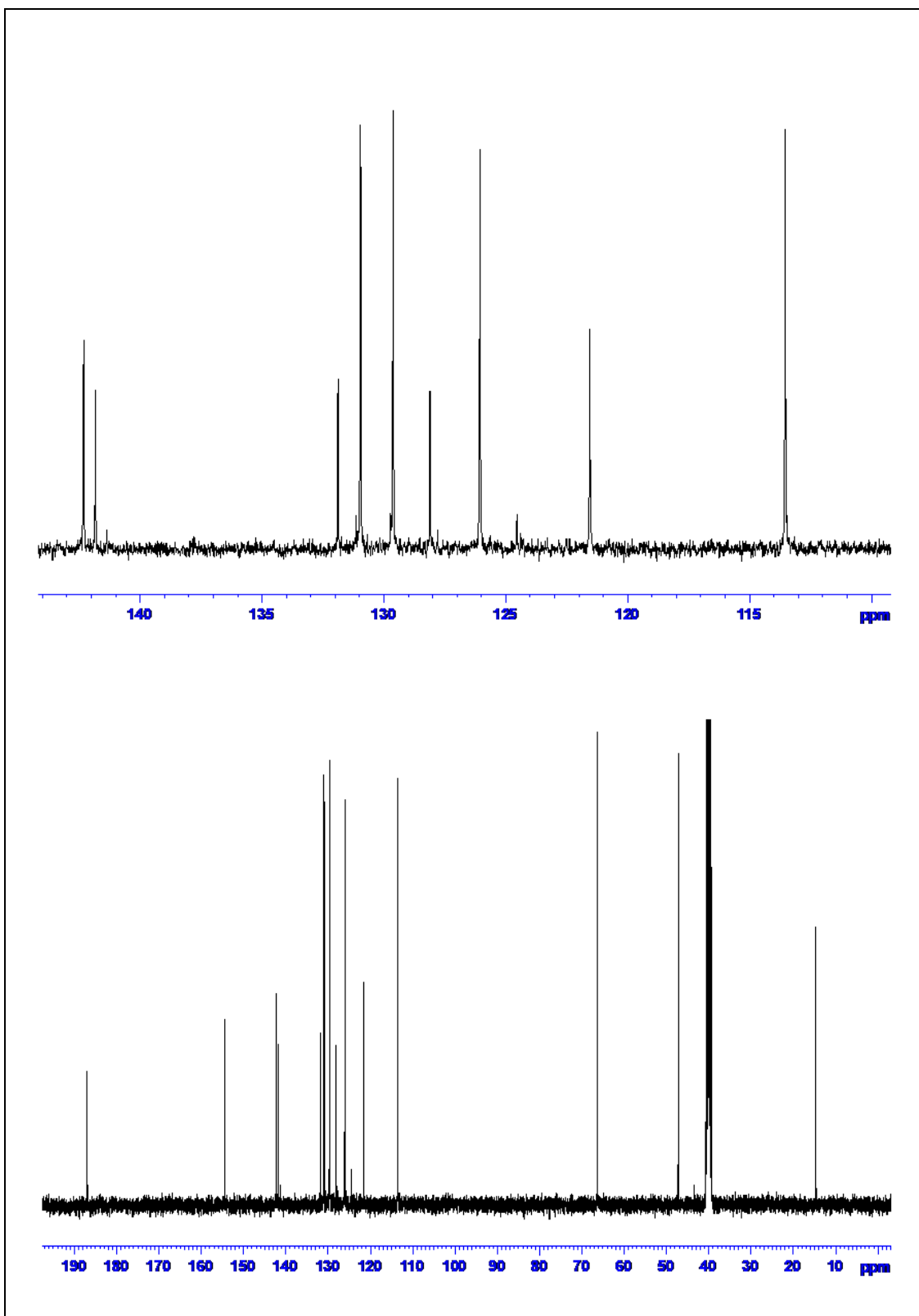


Figure 23. ^{13}C NMR spectrum of compound 8

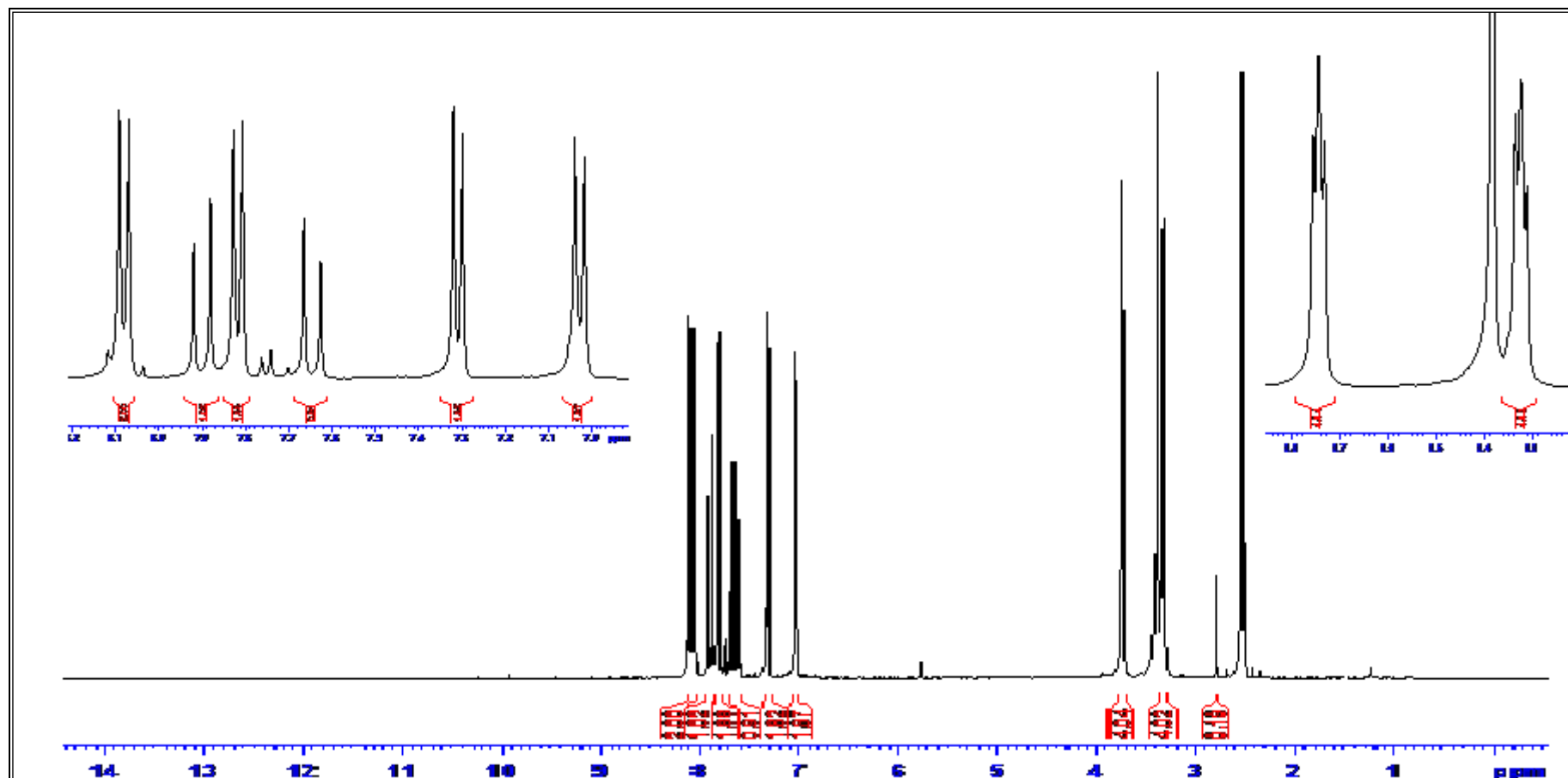


Figure 24. ¹H NMR spectrum of compound 8

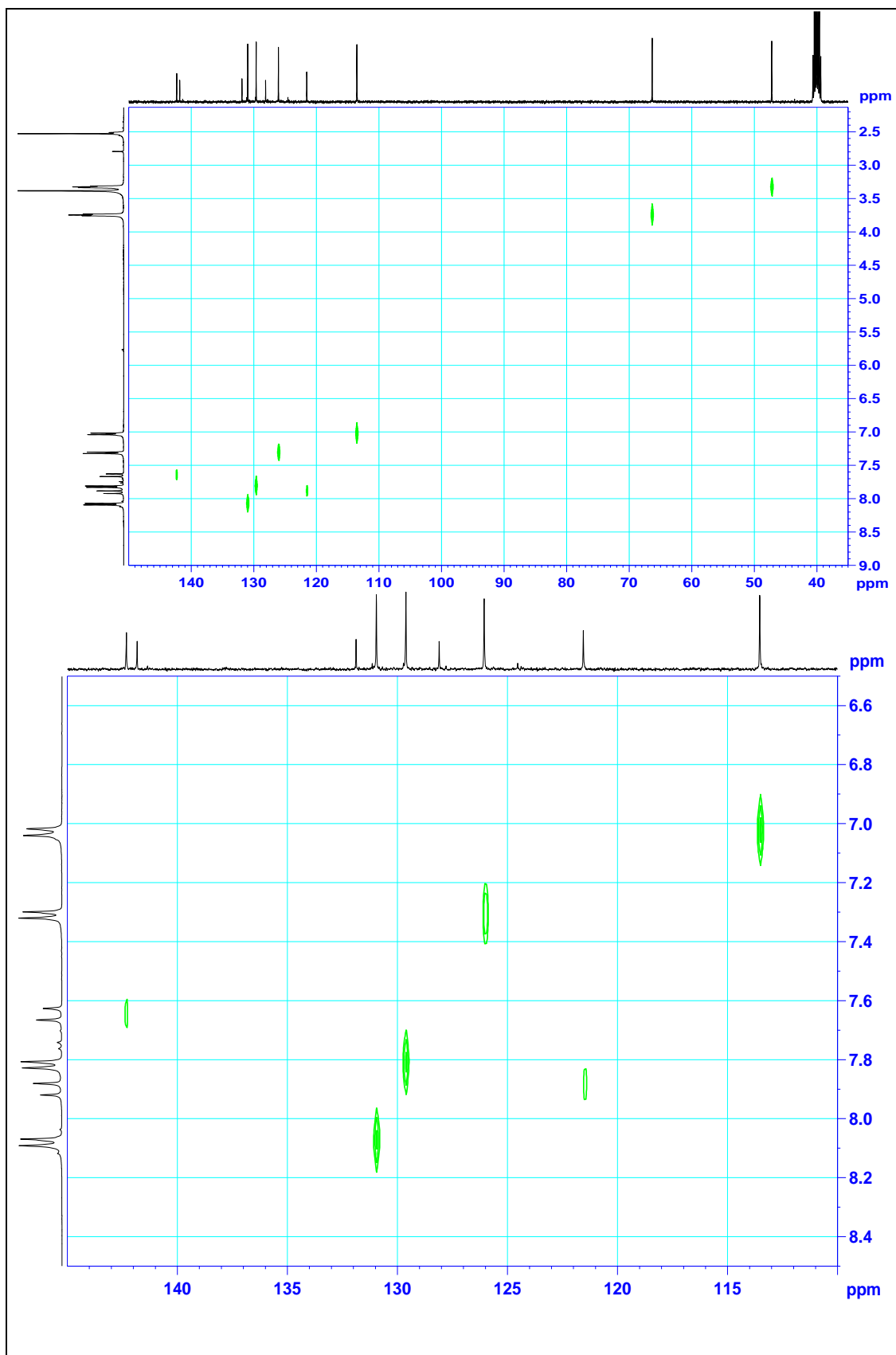


Figure 25. HETCOR NMR spectrum of compound 8

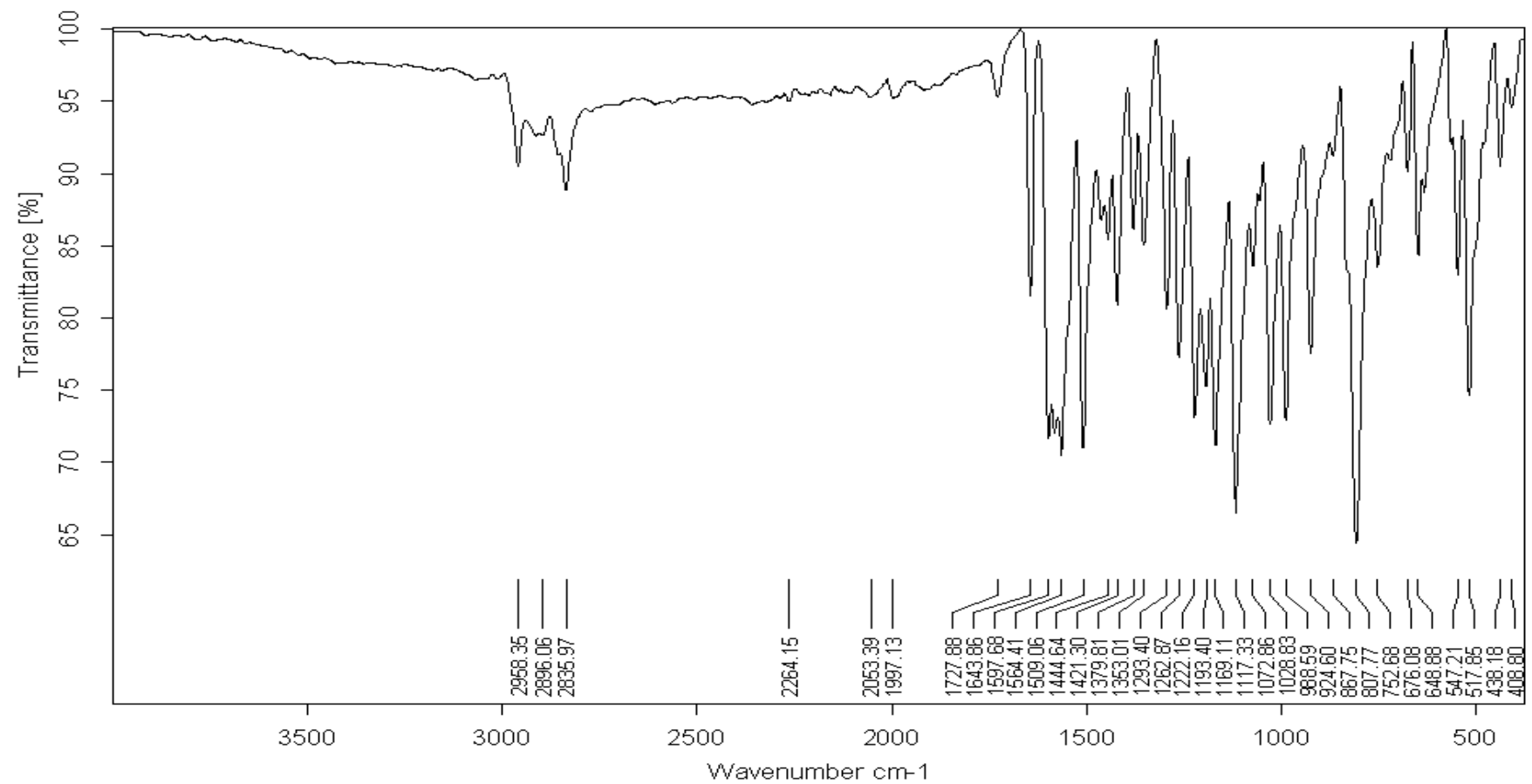


Figure 26. FT-IR spectrum of compound 9

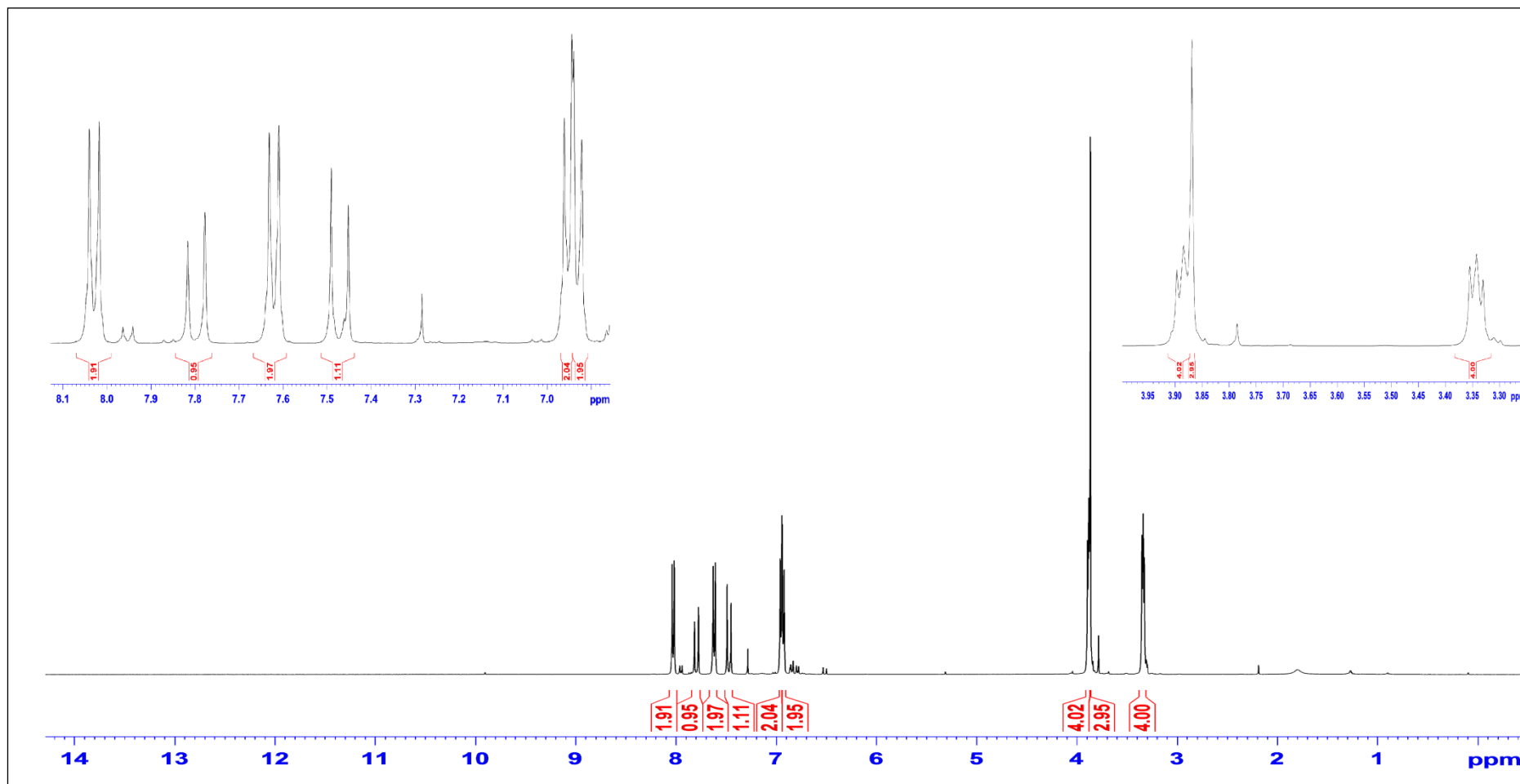


Figure 27. ^1H NMR spectrum of compound 9

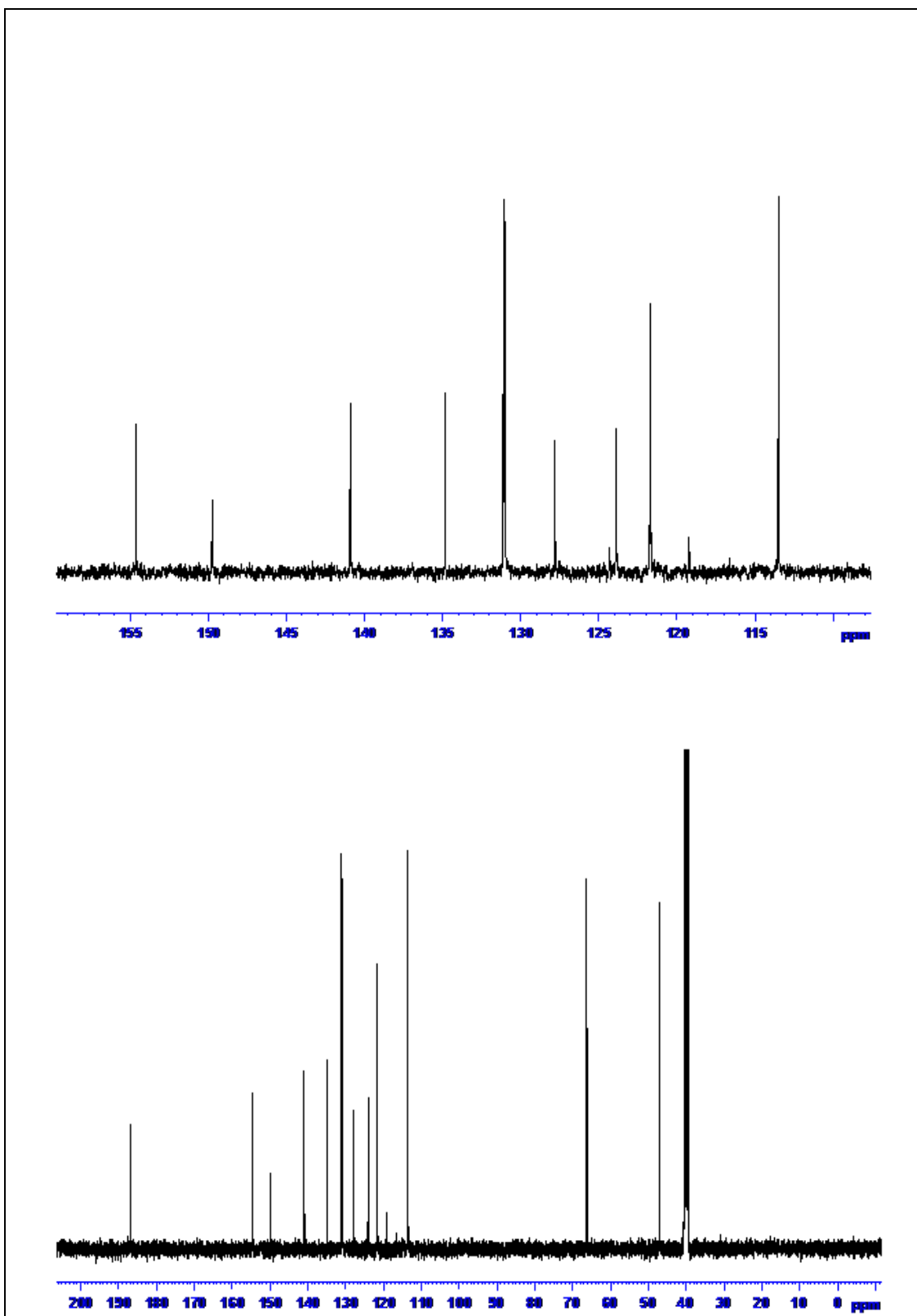


Figure 28. ^{13}C NMR spectrum of compound 9

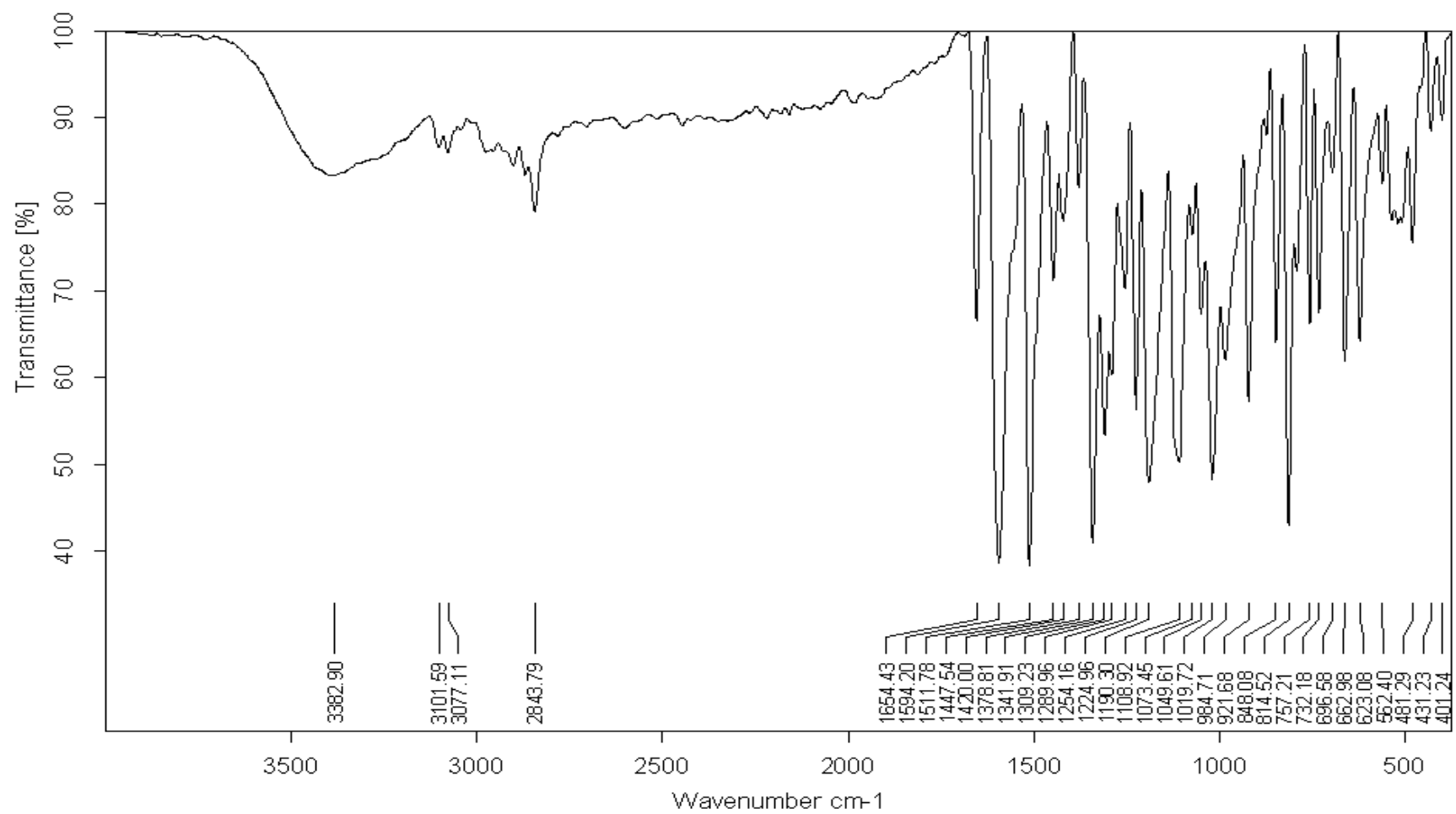


Figure 29. FT-IR spectrum of compound 10

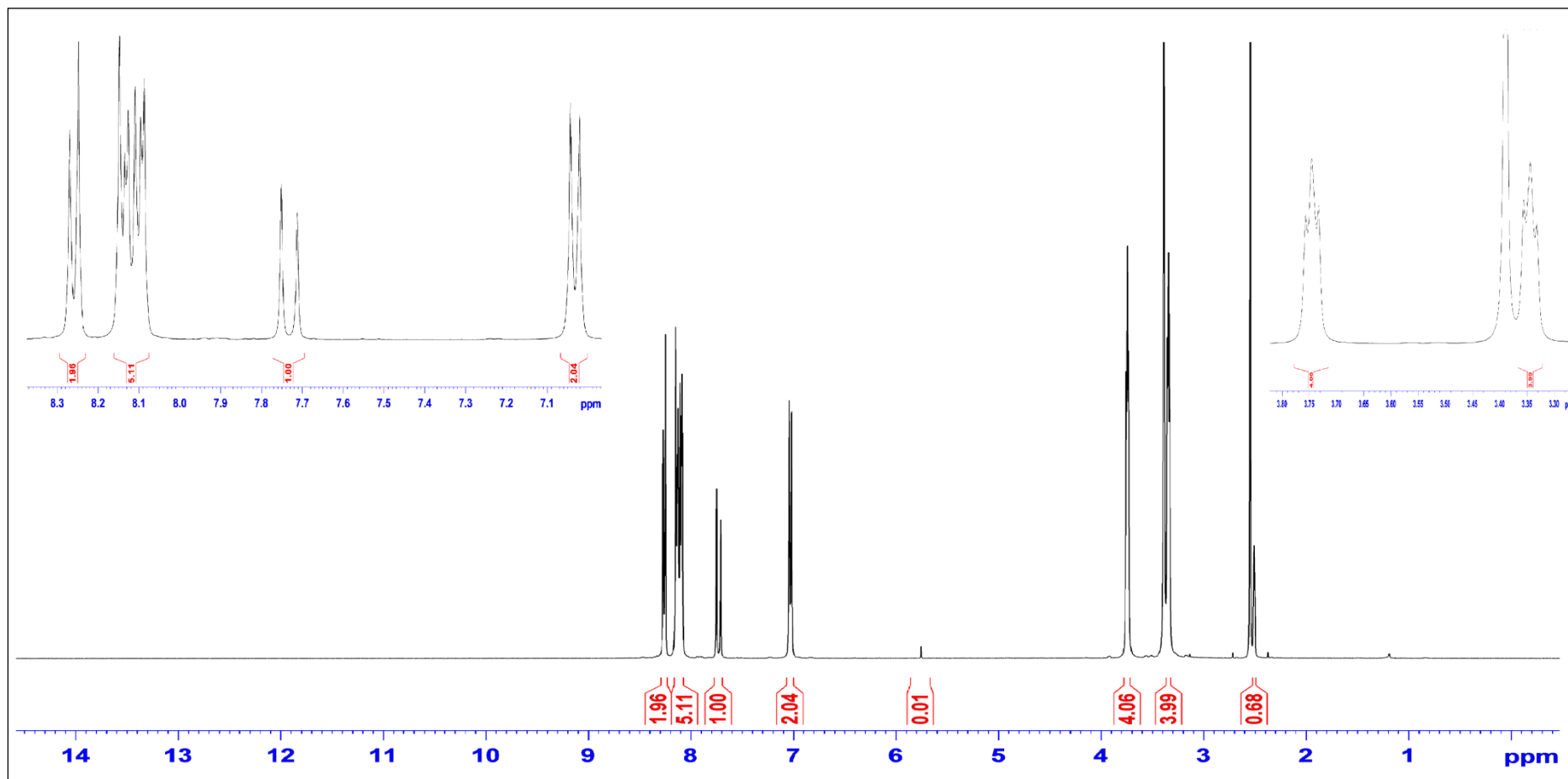


Figure 30. ^1H NMR spectrum of compound 10

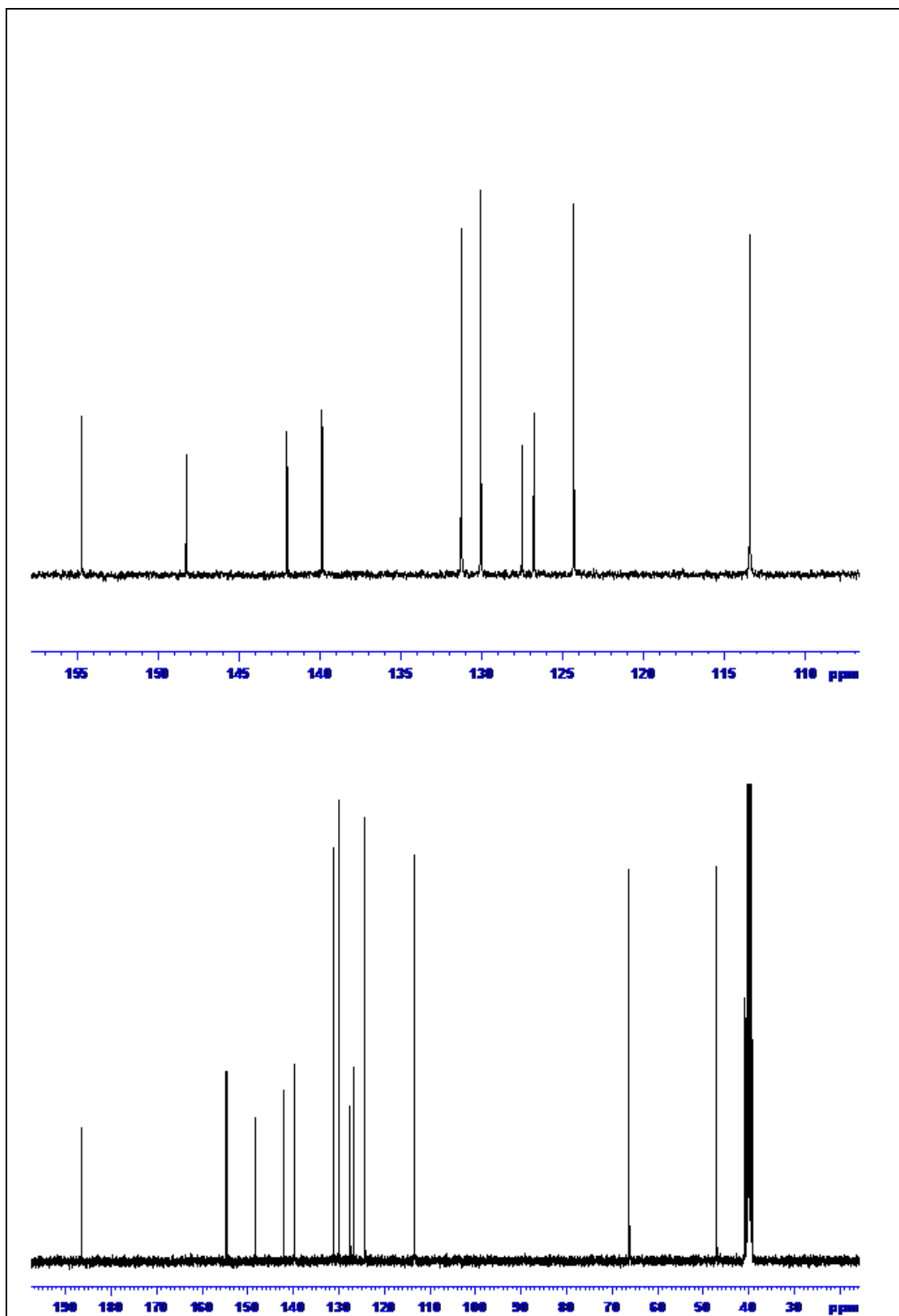


Figure 31. ^{13}C NMR spectrum of compound 10

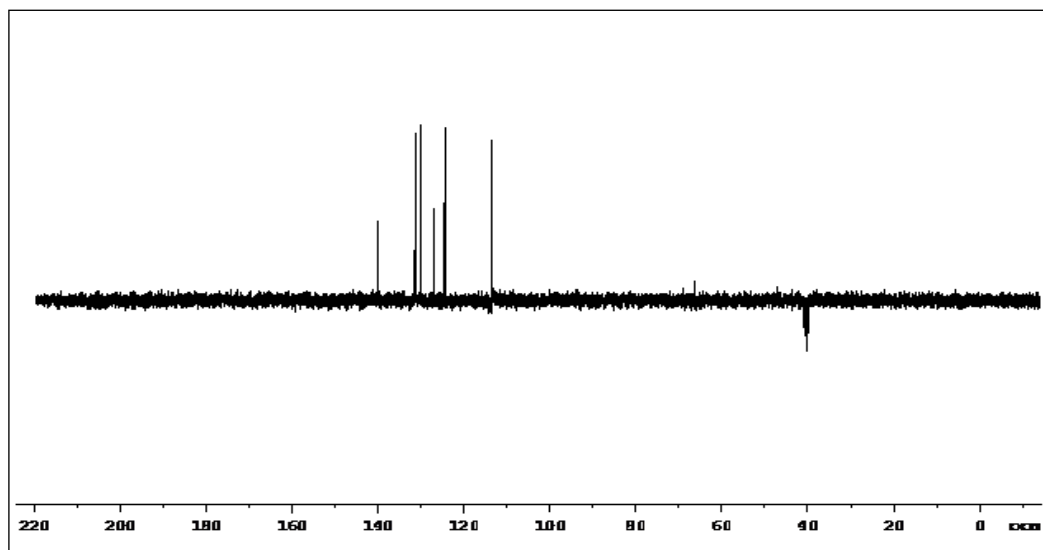


Figure 32. DEPT 90 spectrum of compound 10

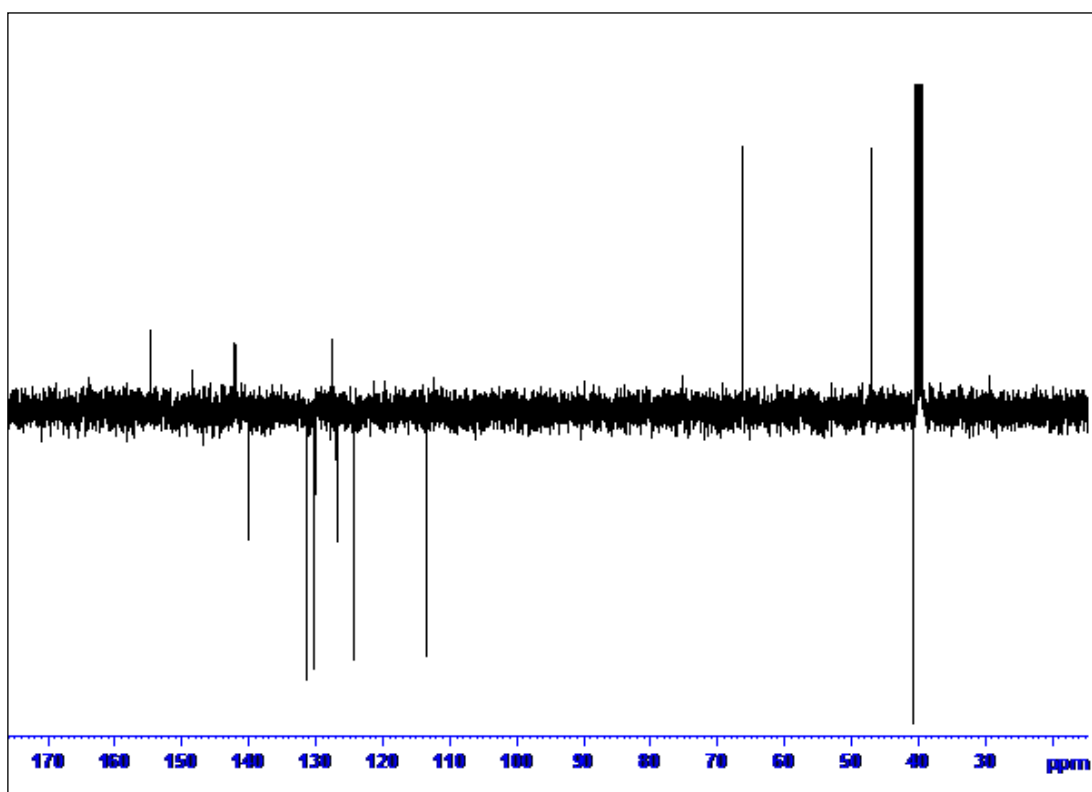


Figure 33. APT spectrum of compound 10

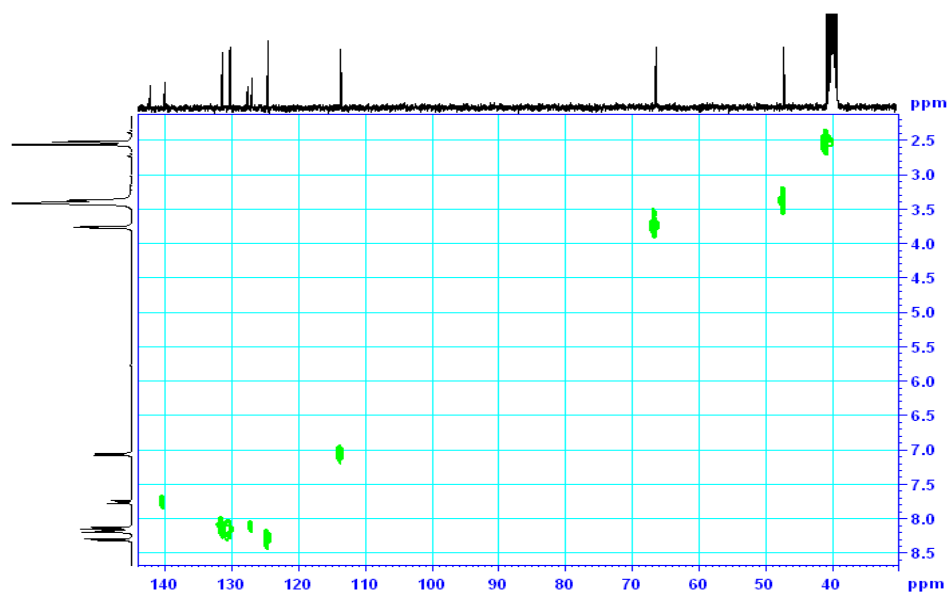


Figure 34. COSY spectrum of compound 10

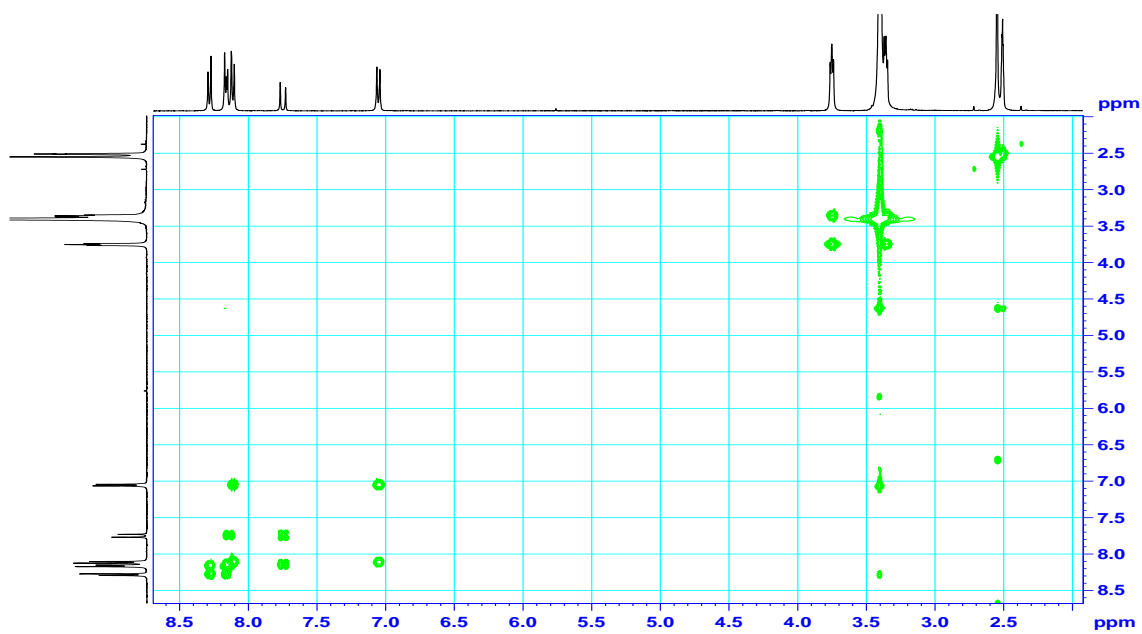


Figure 35. HETCOR spectrum of compound 10

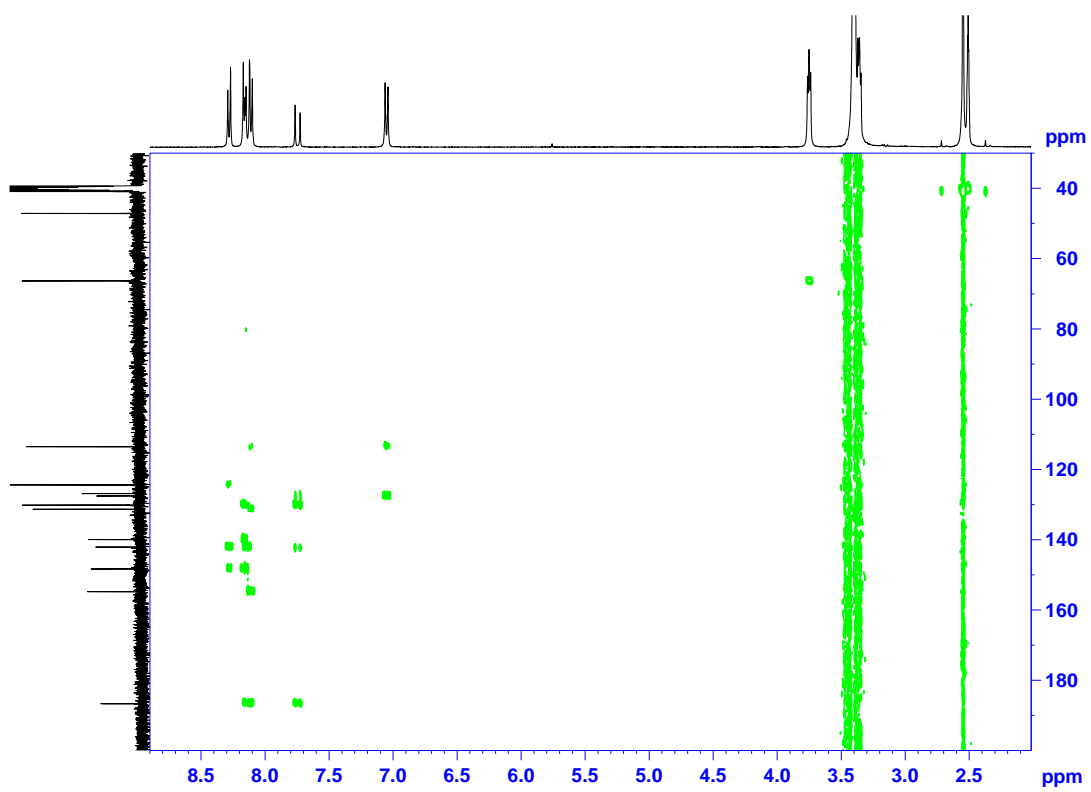


Figure 36. HMBC spectrum of compound 10

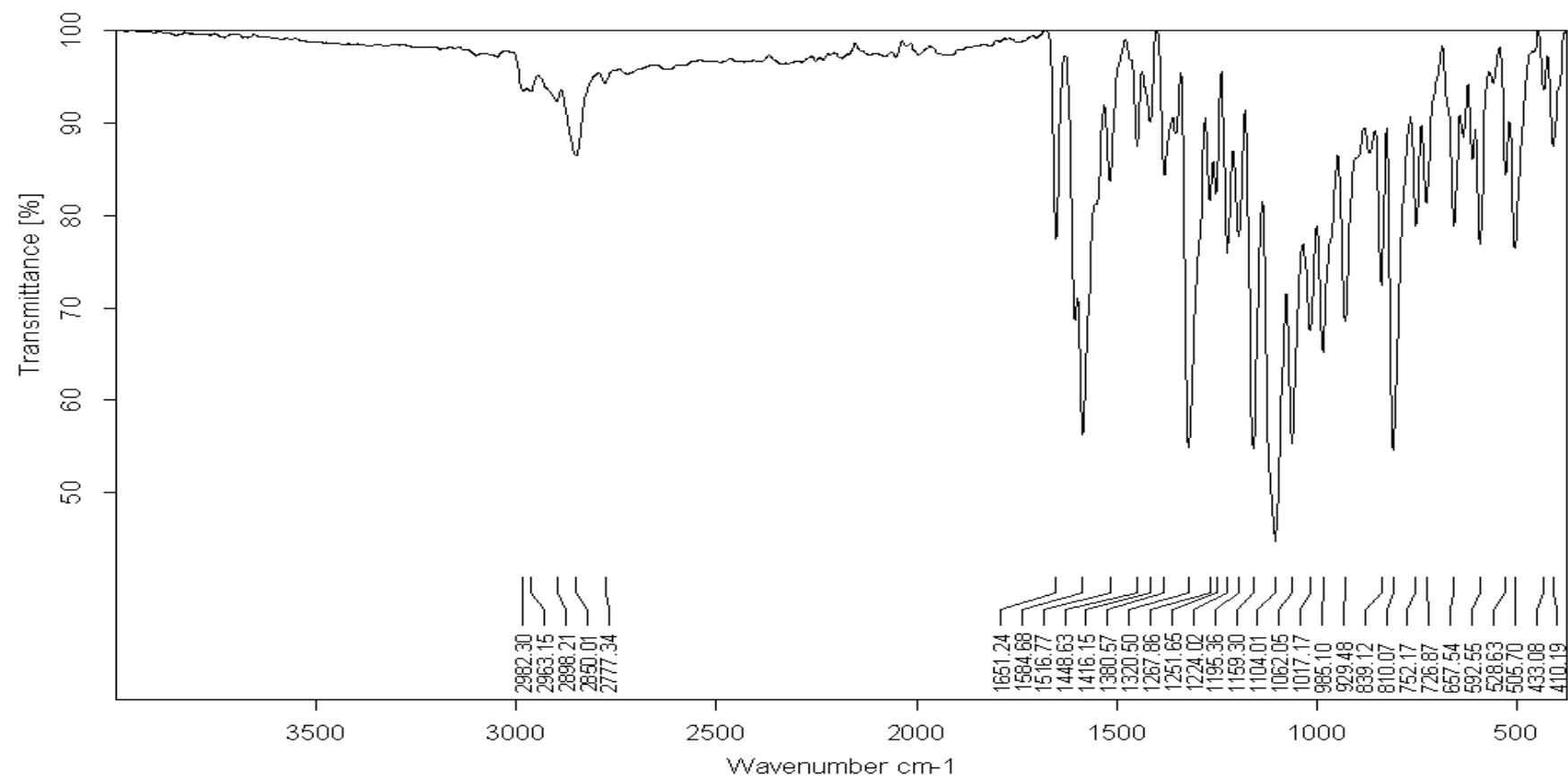


Figure 37. FT-IR spectrum of compound 11

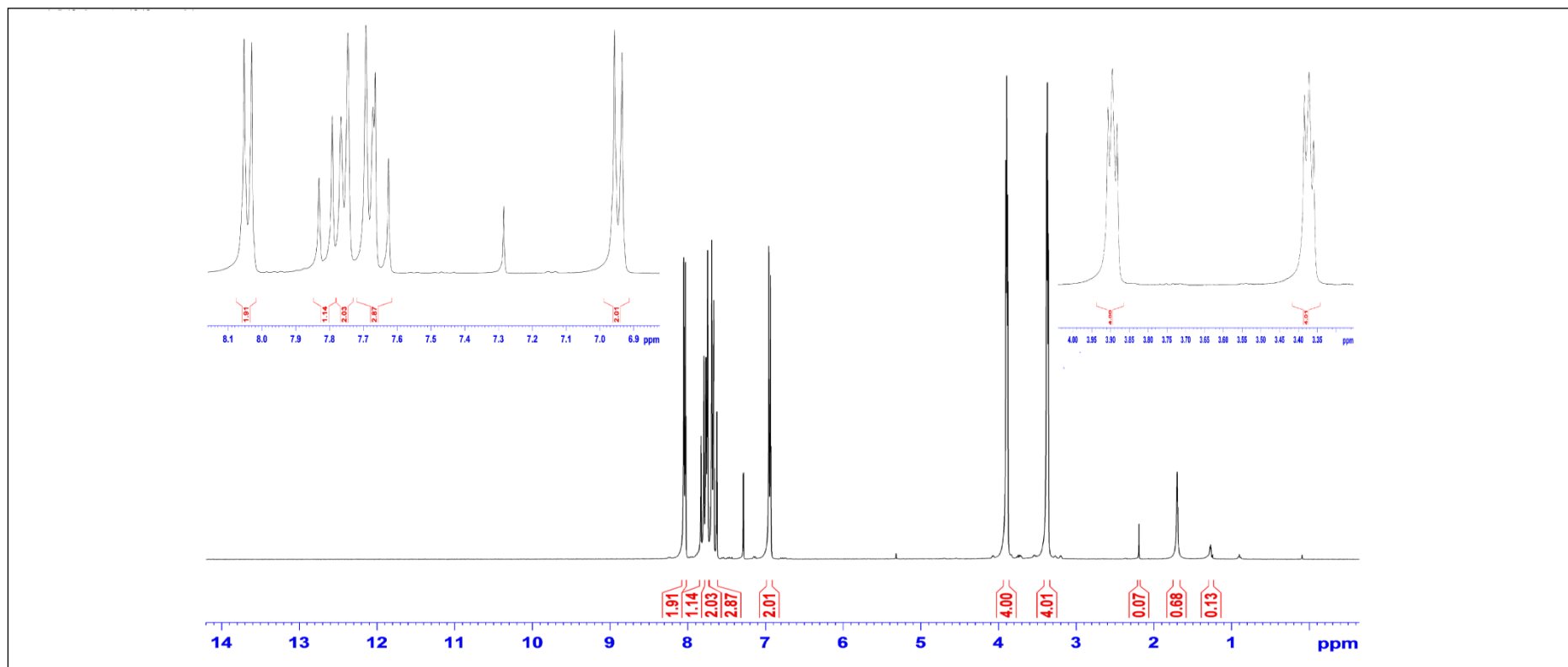


Figure 38. ^1H NMR spectrum of compound 11

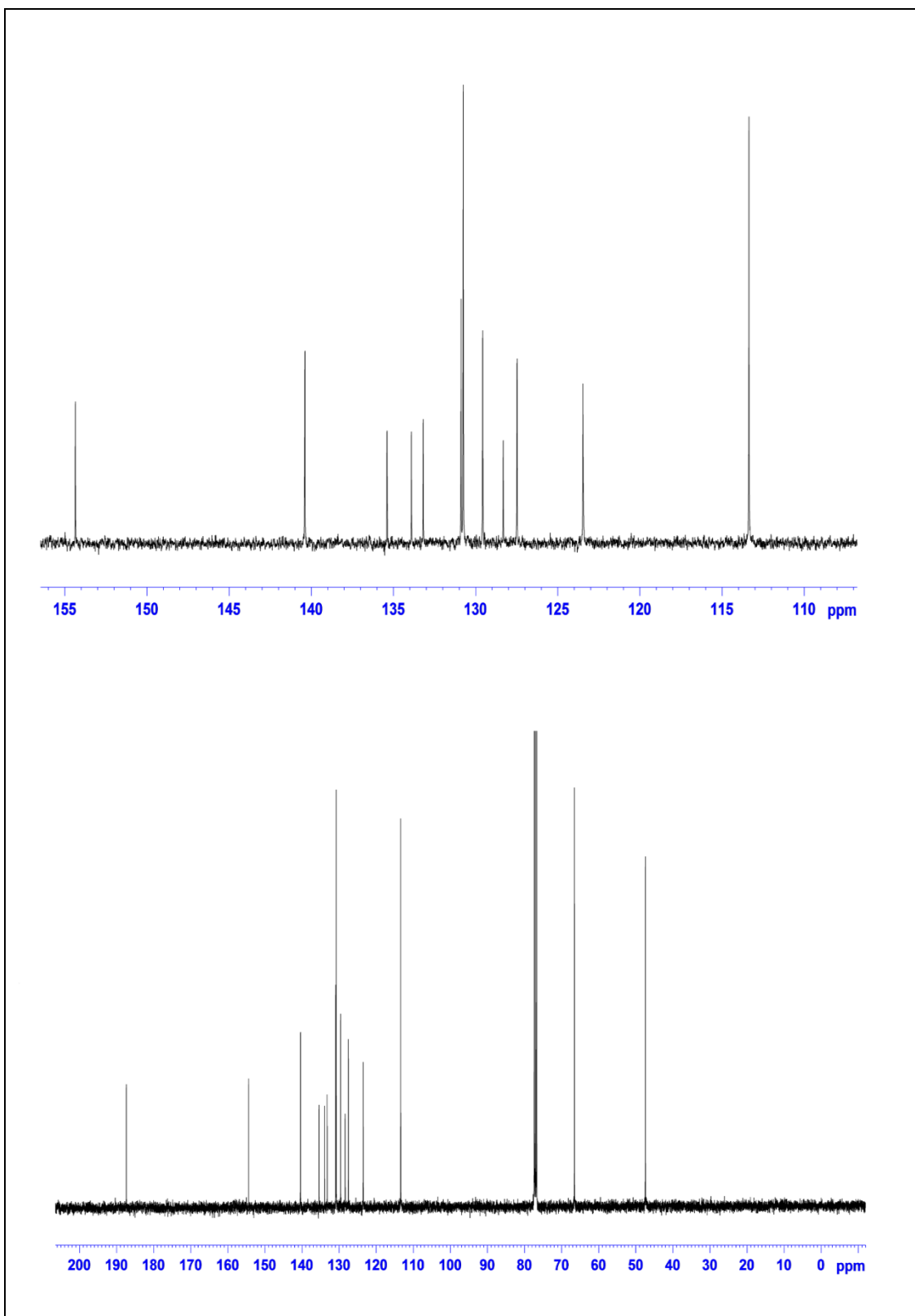


Figure 39. ^{13}C NMR spectrum of compound 11

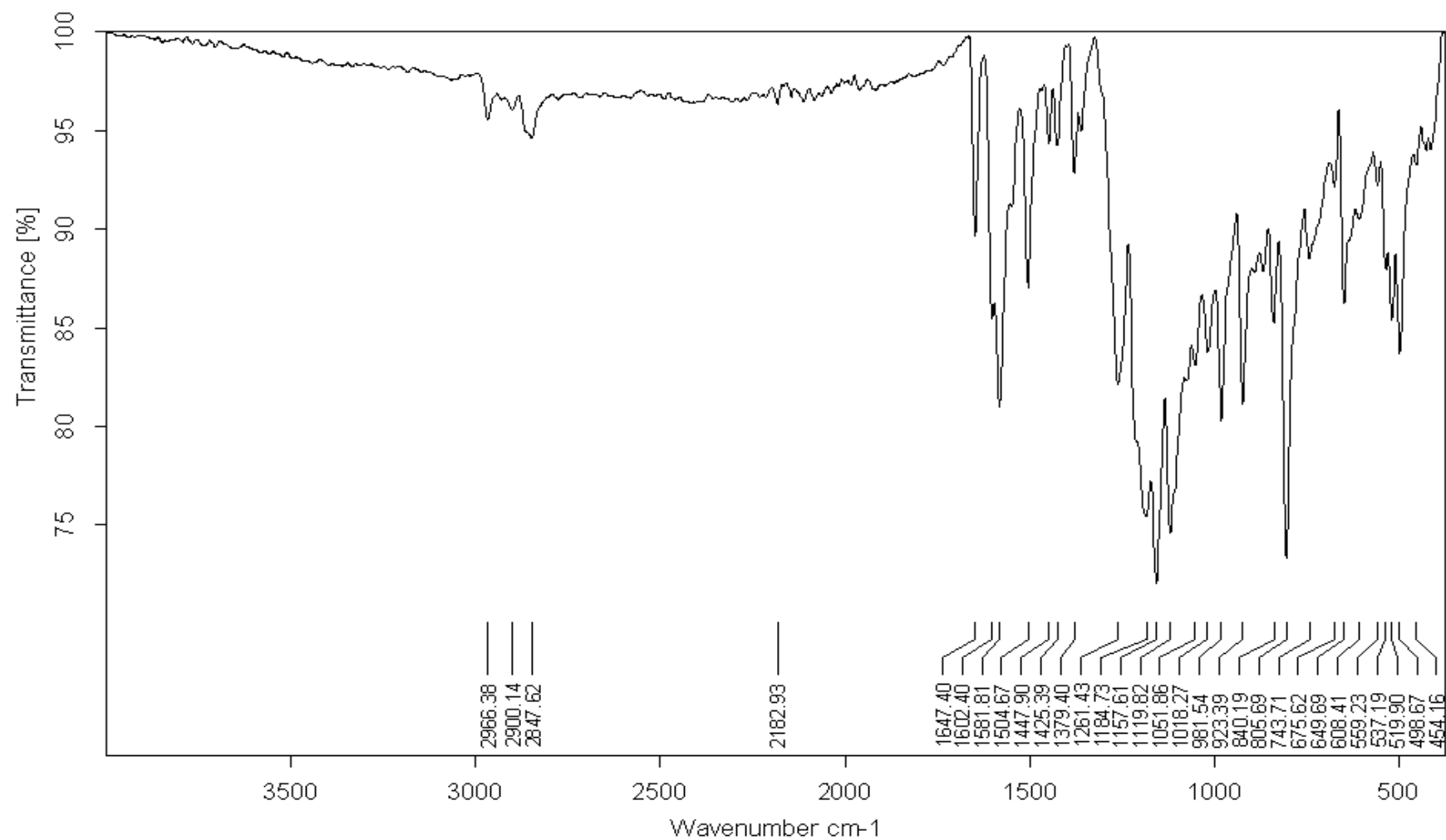


Figure 40. FT-IR spectrum of compound 12

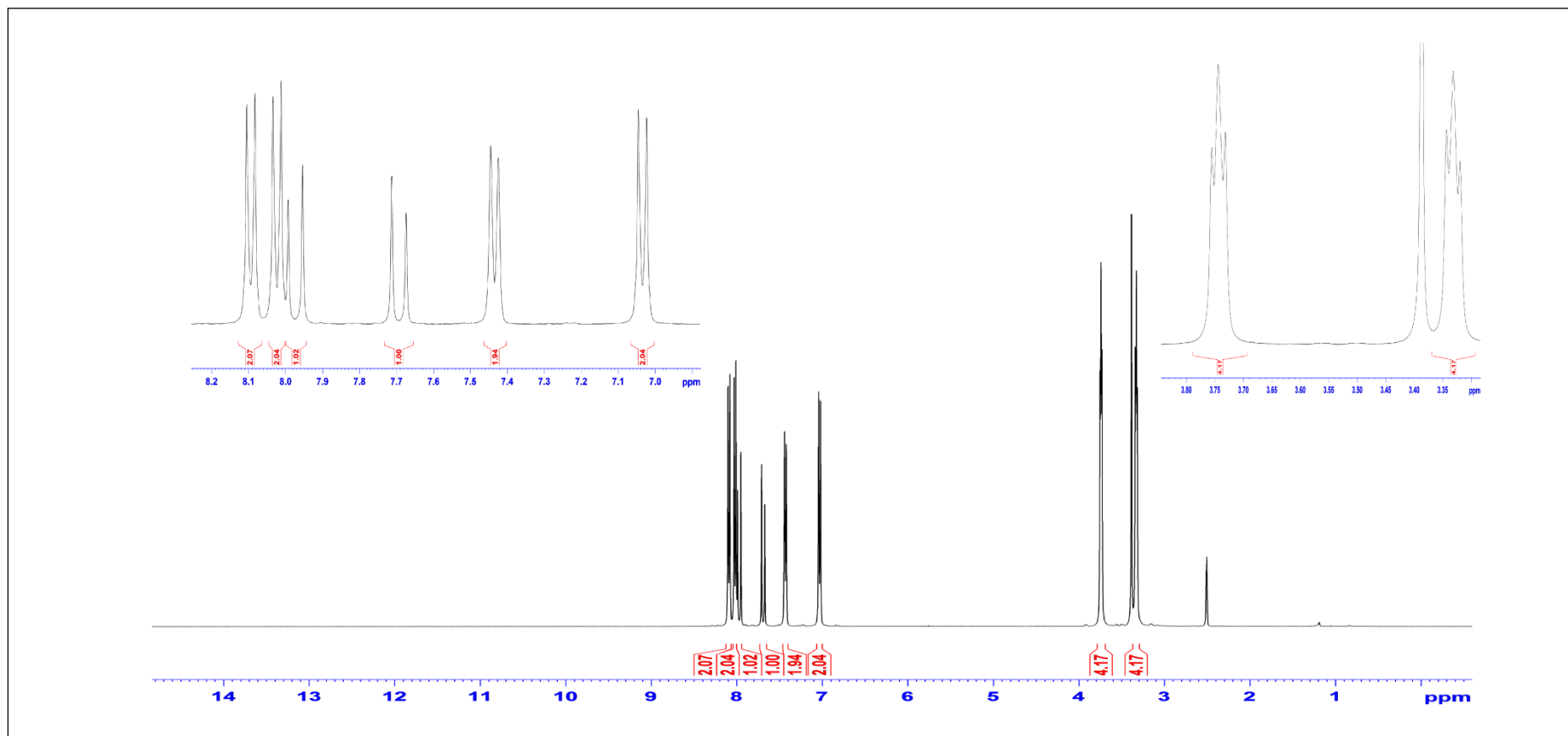


Figure 41. ¹H NMR spectrum of compound 12

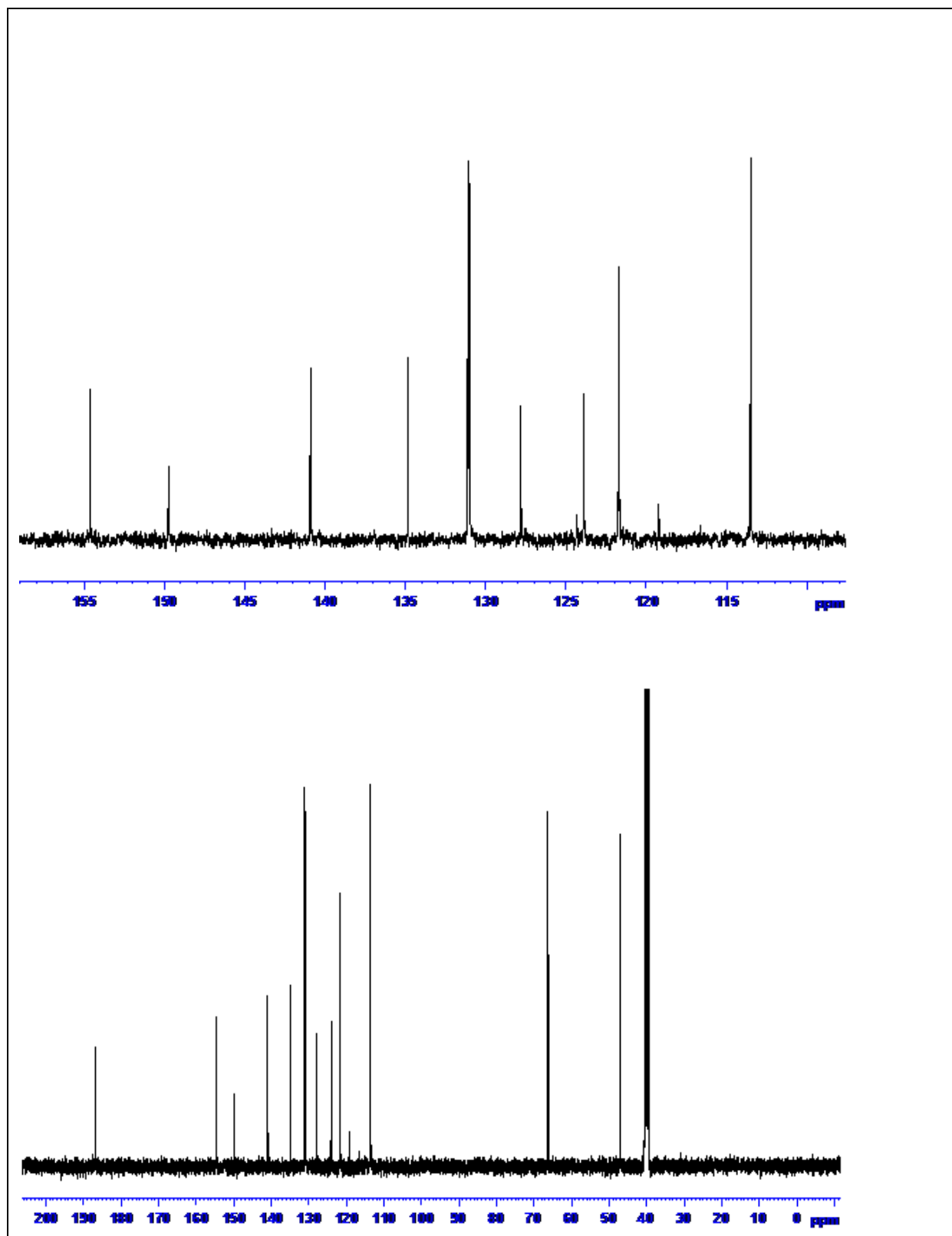


Figure 42. ^{13}C NMR spectrum of compound 12