

Supplementary Material

for

Half-sandwich Ru(II) arene complexes that bearing benzimidazole ligands for the *N*-alkylation reaction of aniline with alcohols under solvent-free medium

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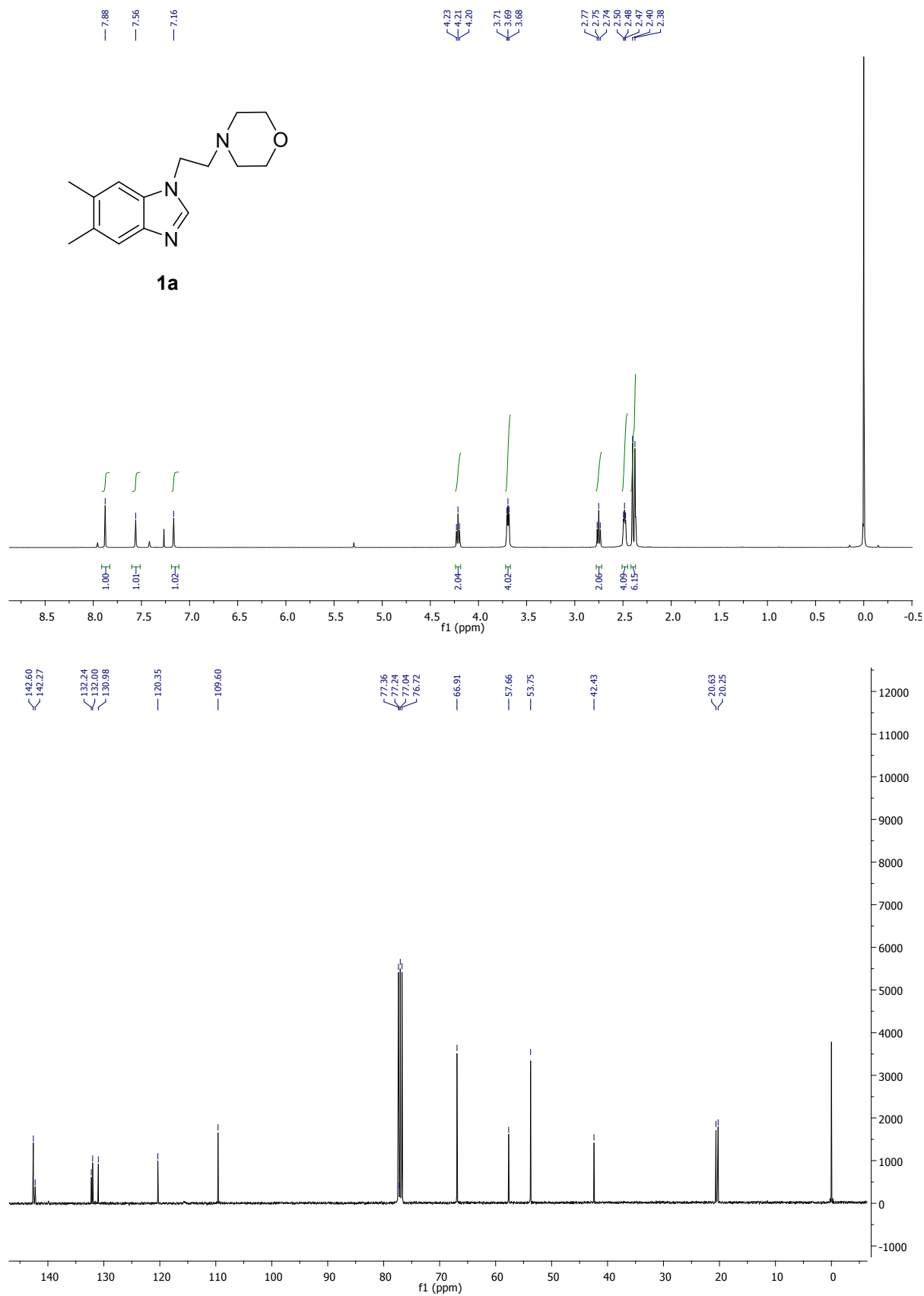


Figure 1. ¹H and ¹³C NMR spectra of **1a**

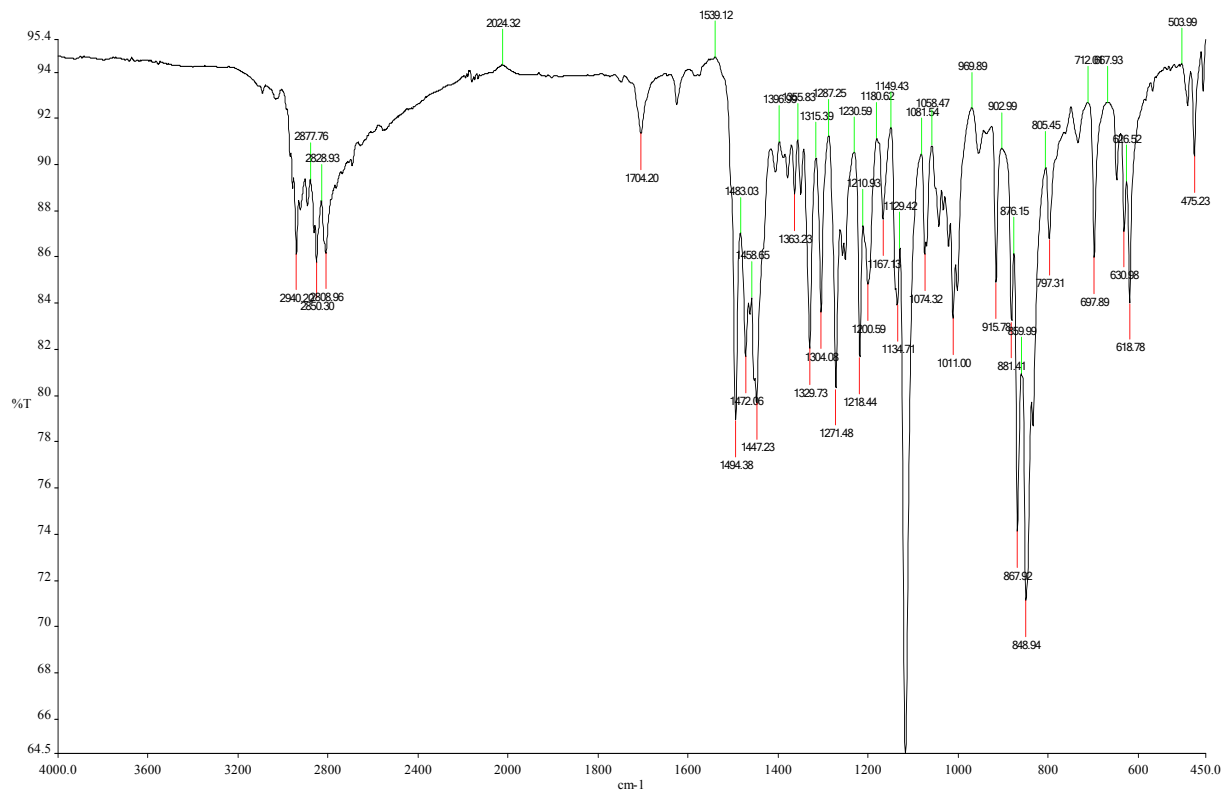


Figure 2. FT-IR spectrum of **1a**

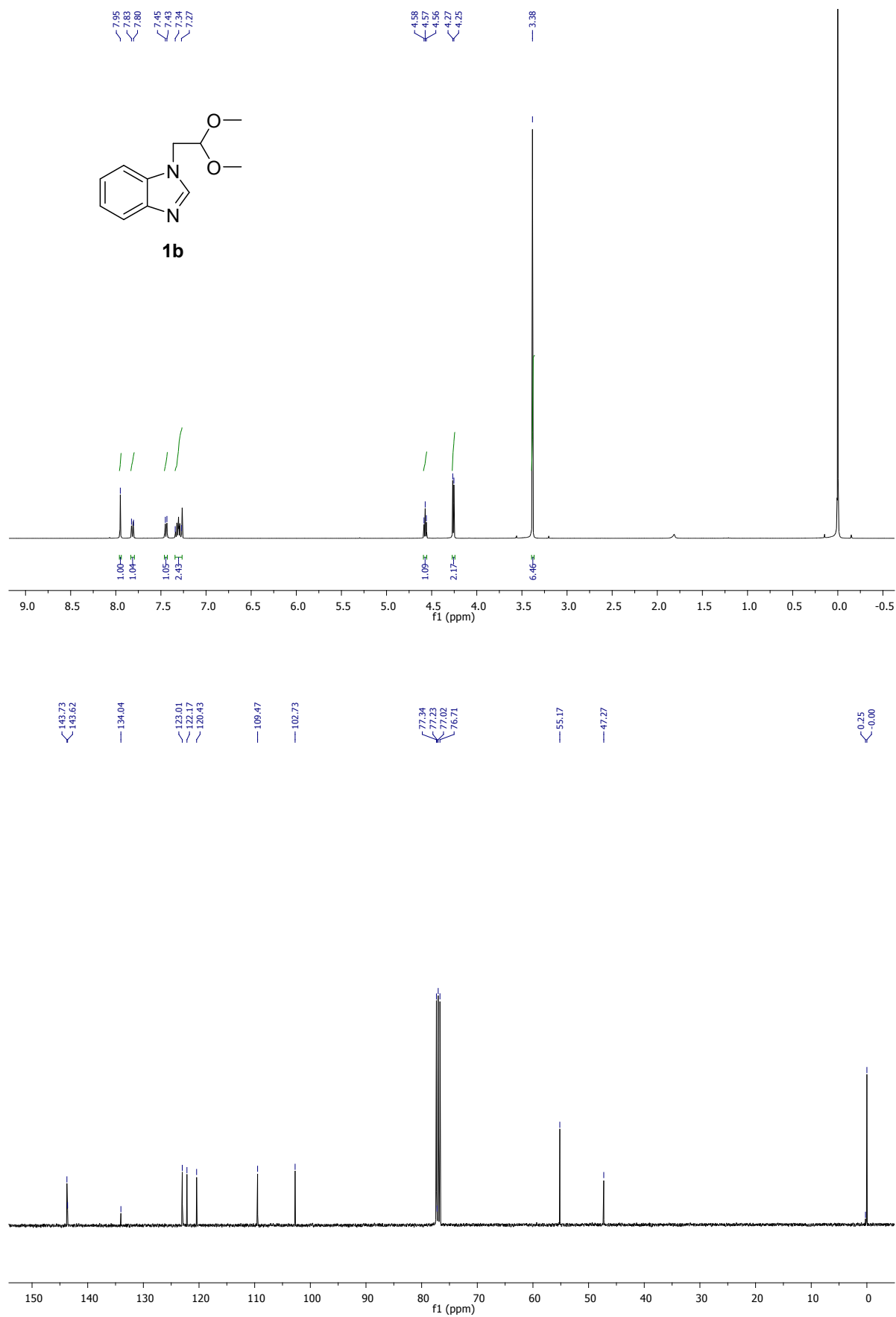


Figure 3. ¹H and ¹³C NMR spectra of **1b**

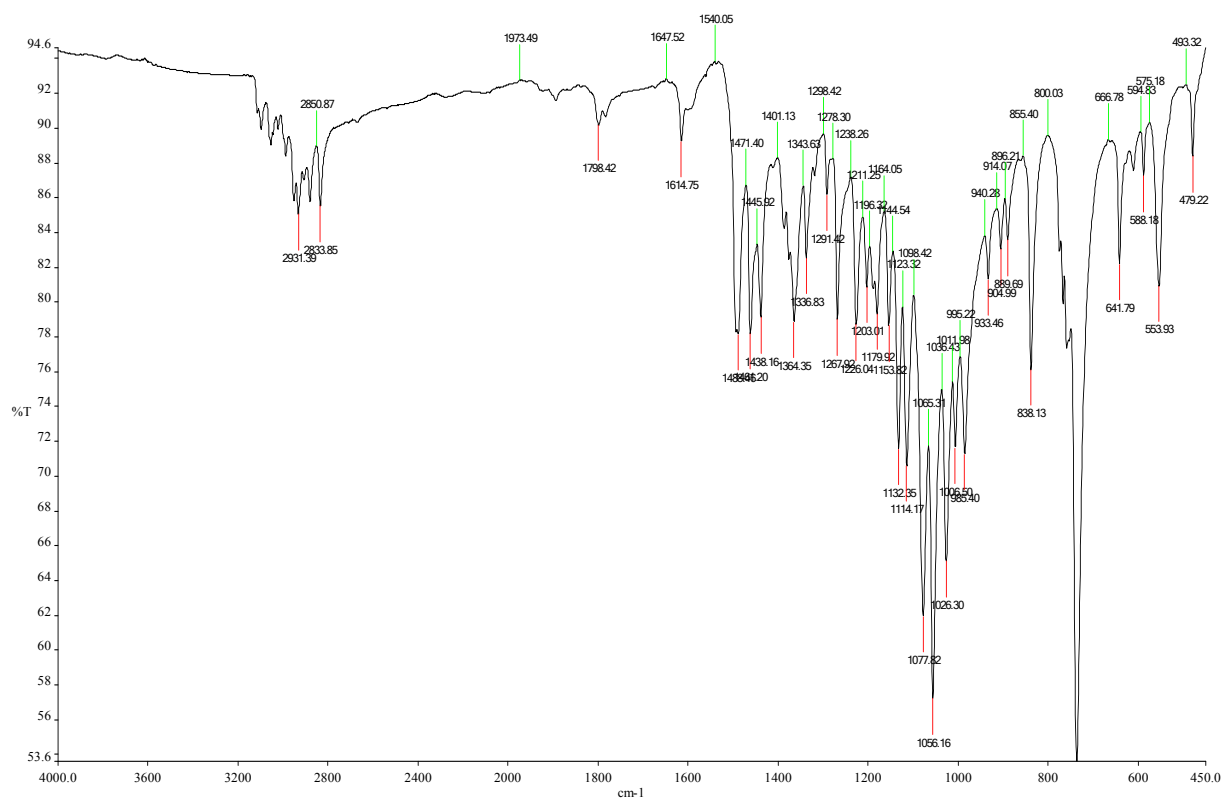


Figure 4. FT-IR spectrum of **1b**

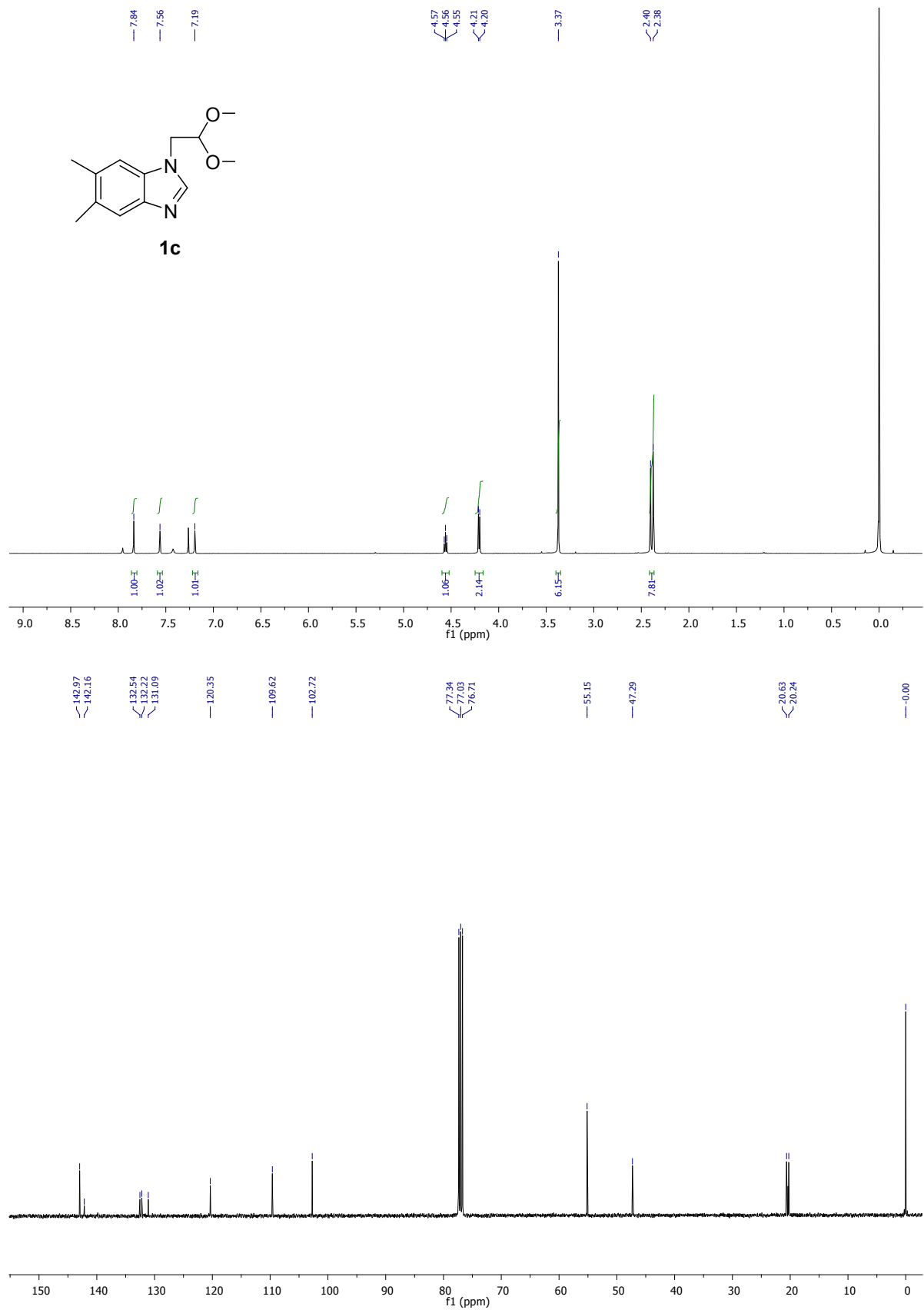


Figure 5. ¹H and ¹³C NMR spectra of **1c**

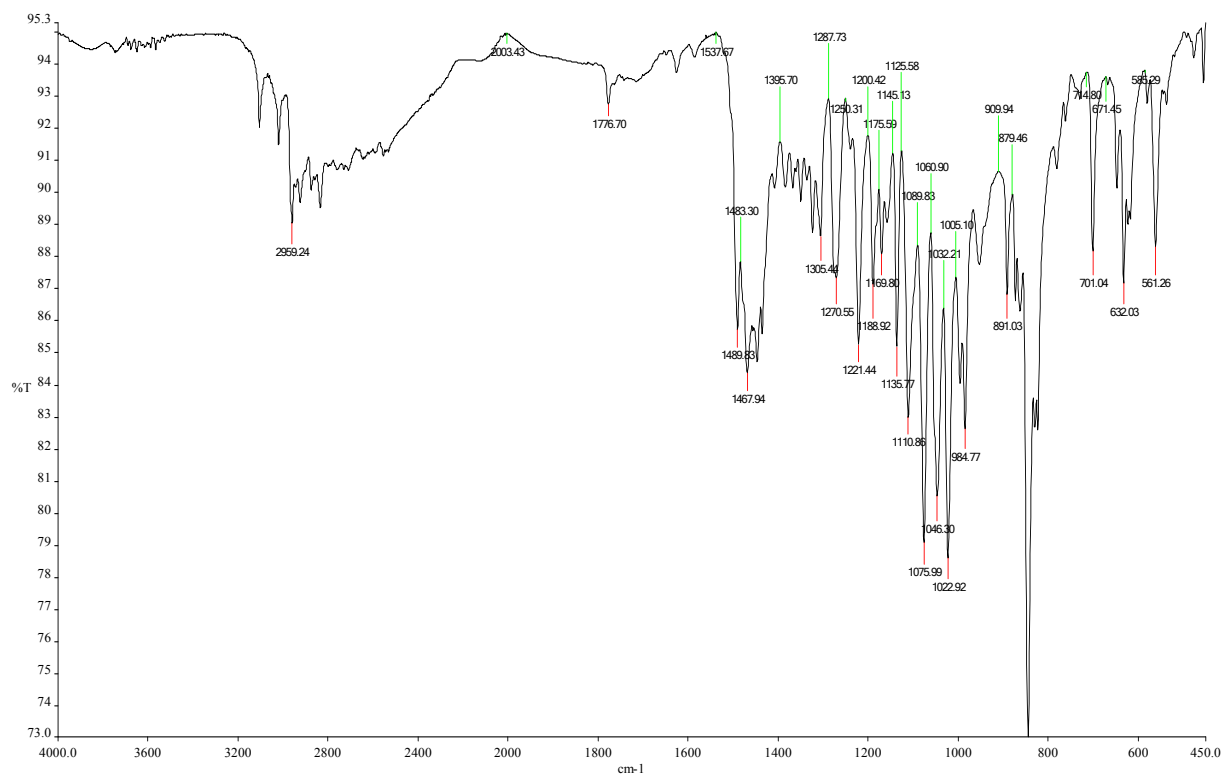


Figure 6. FT-IR spectrum of **1c**

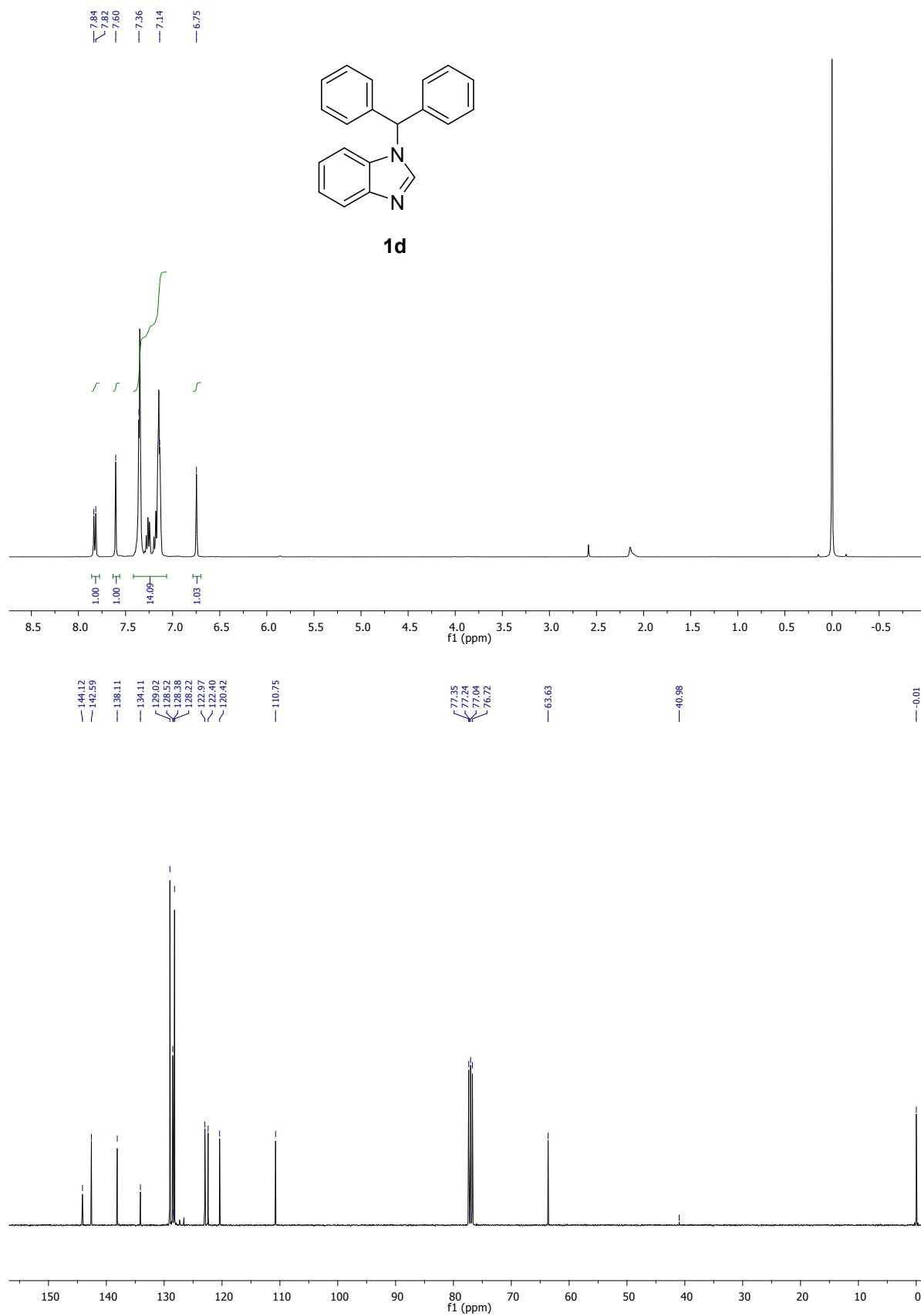


Figure 7. ^1H and ^{13}C NMR spectra of **1d**

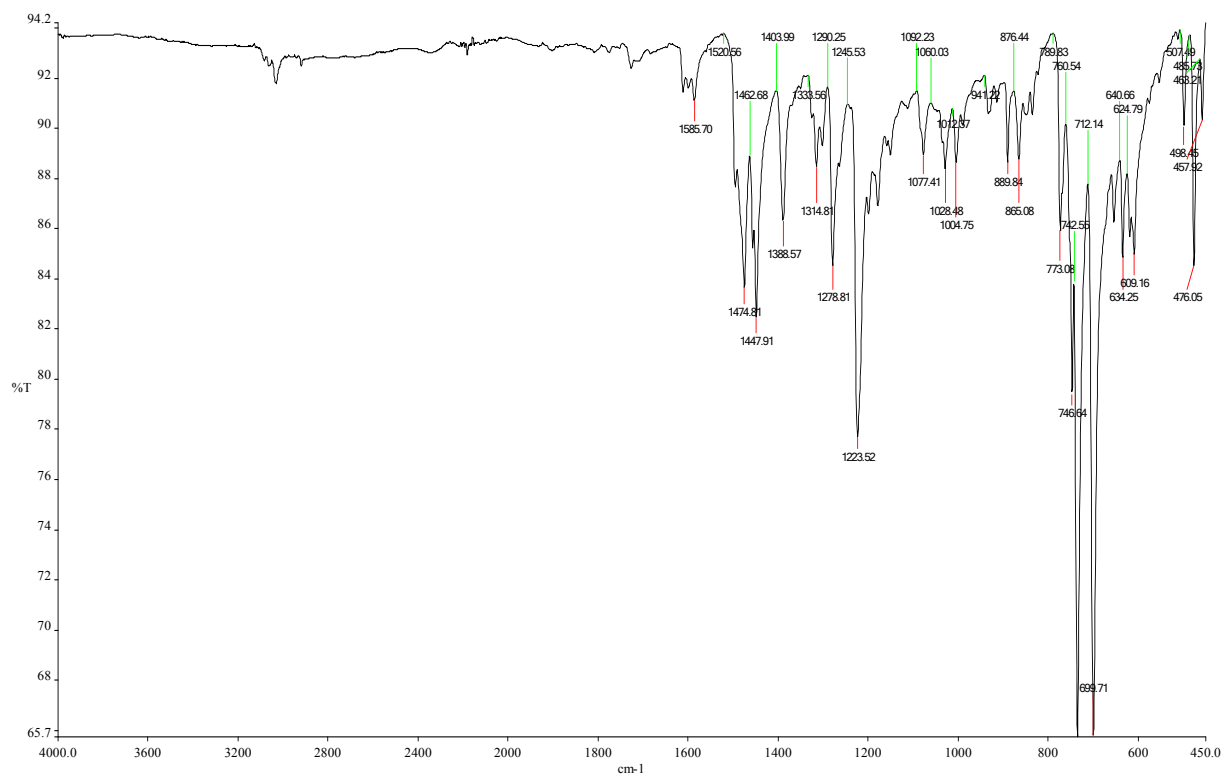


Figure 8. FT-IR spectrum of **1d**

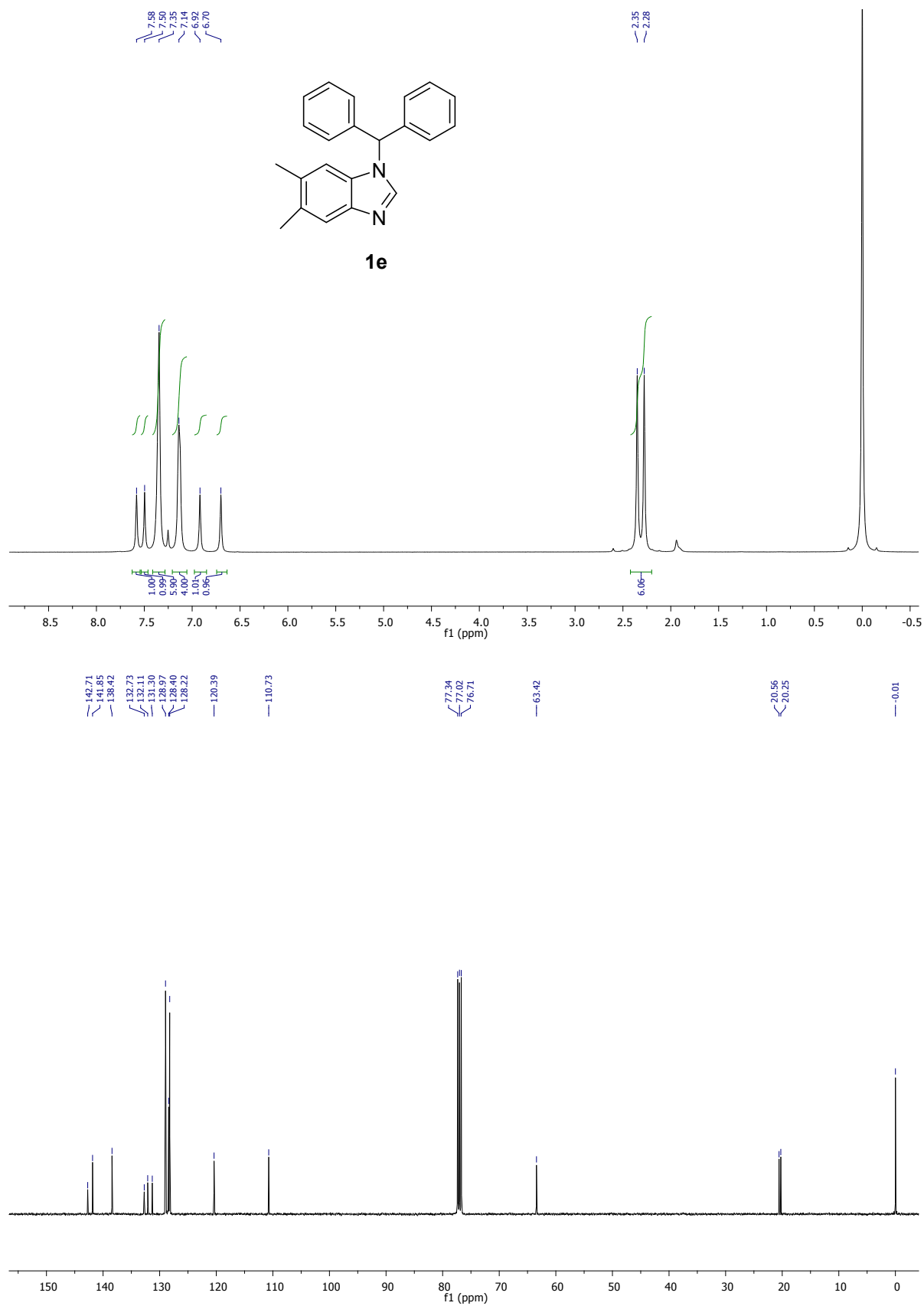


Figure 9. ¹H and ¹³C NMR spectra of **1e**

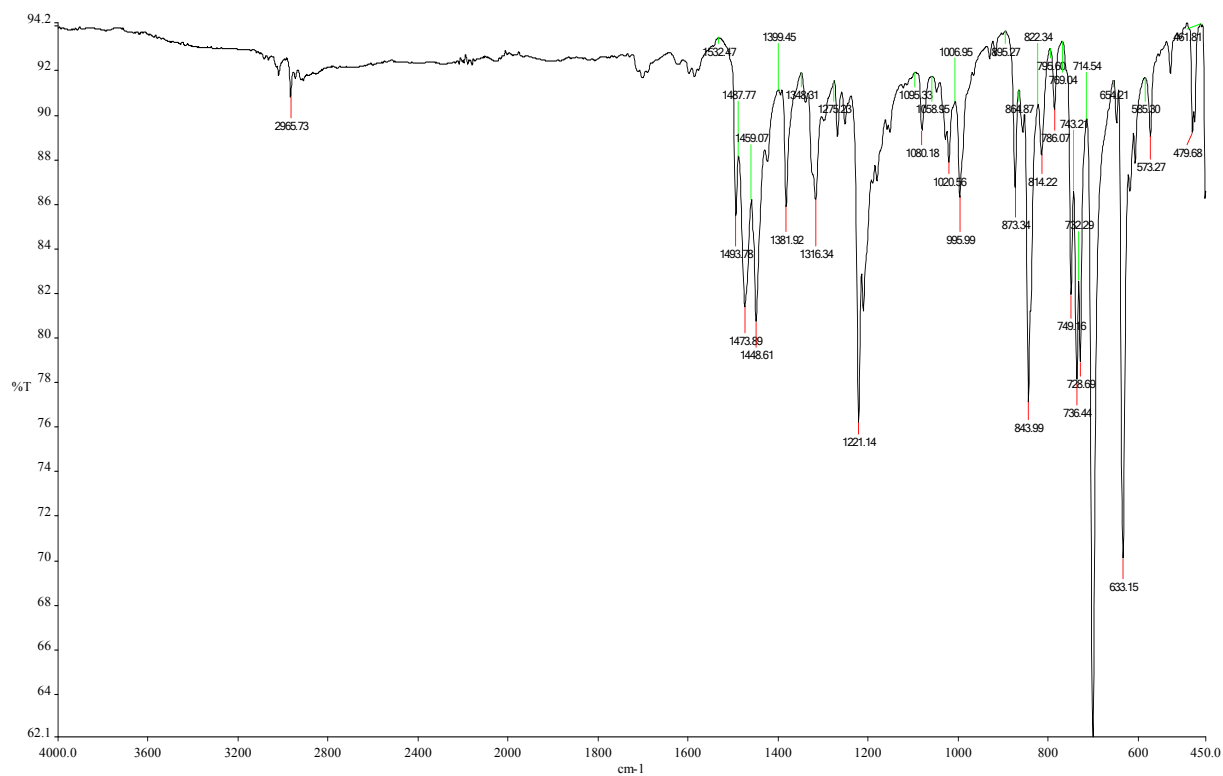


Figure 10. FT-IR spectrum of **1e**

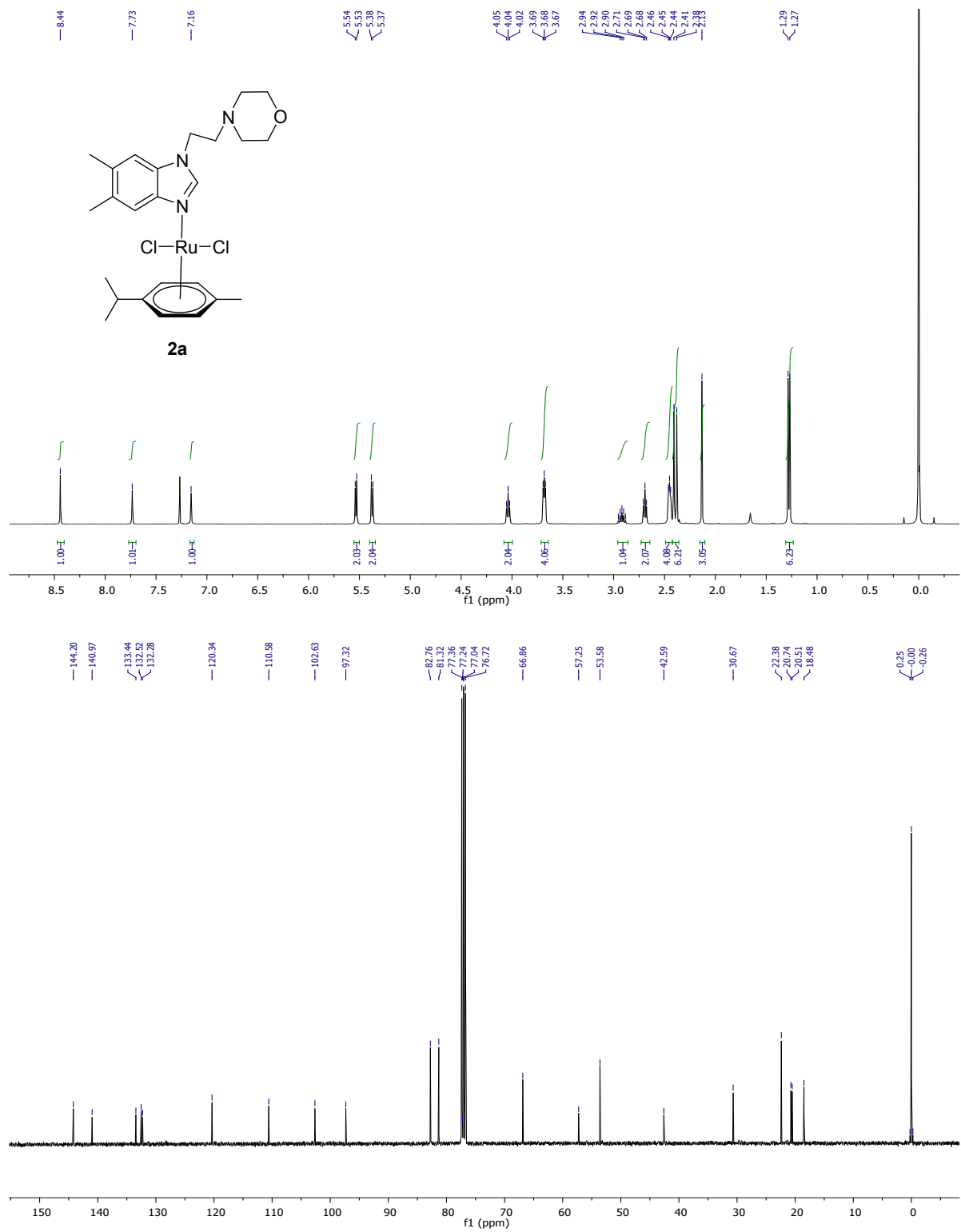


Figure 11. ^1H and ^{13}C NMR spectra of **2a**

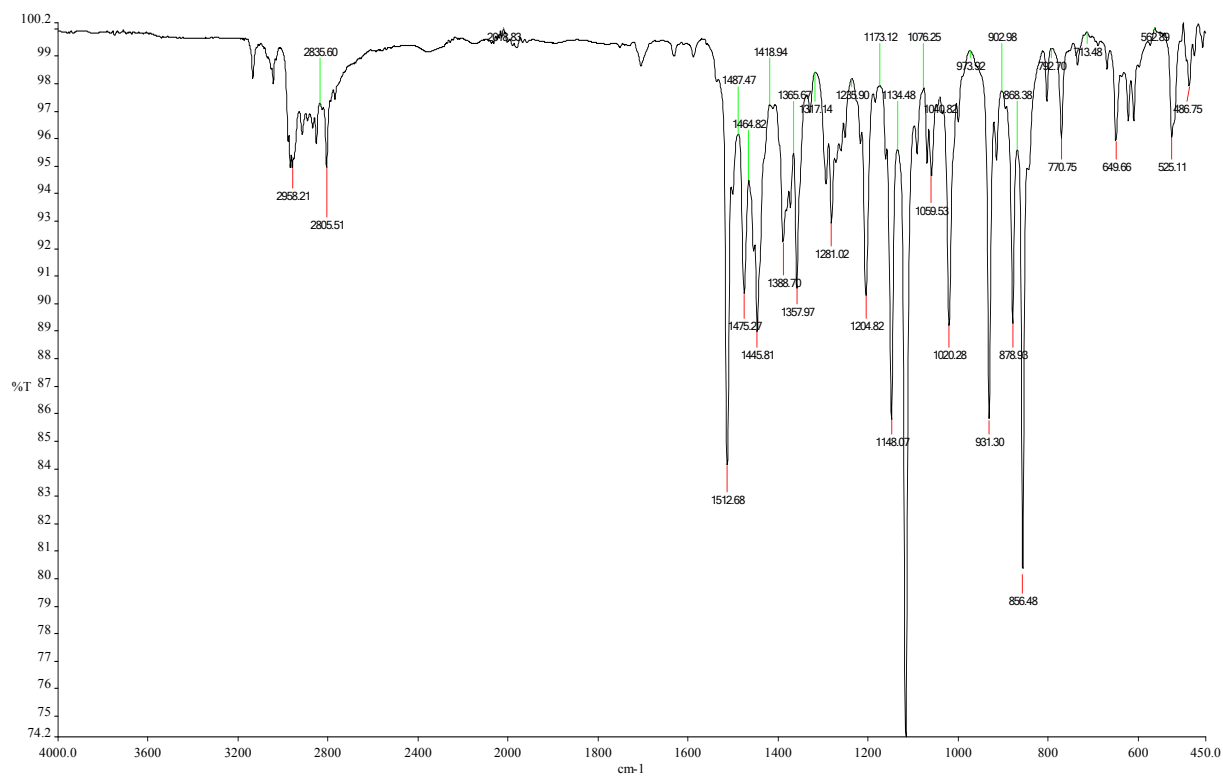


Figure 12. FT-IR spectrum of 2a

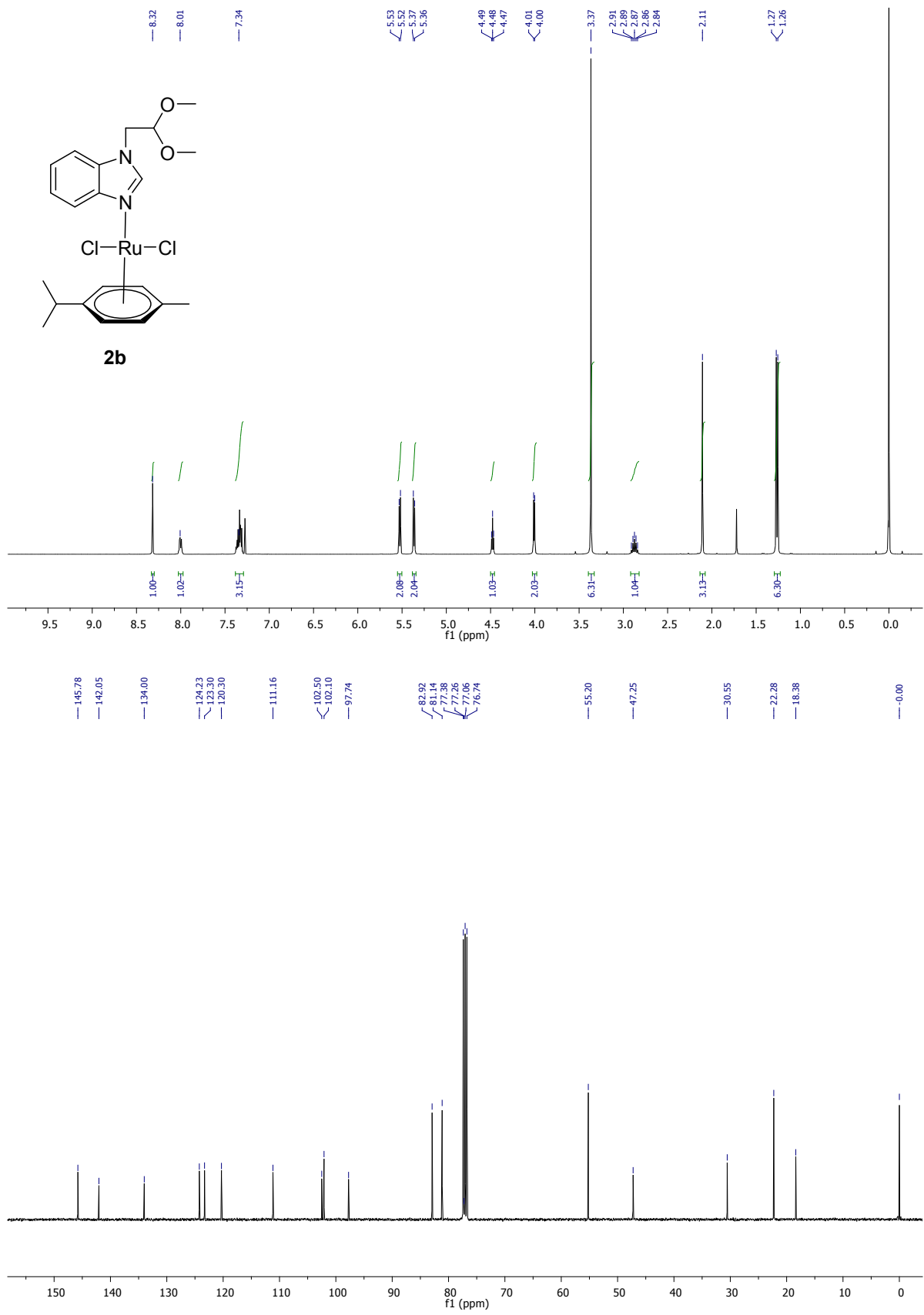


Figure 13. ¹H and ¹³C NMR spectra of **2b**

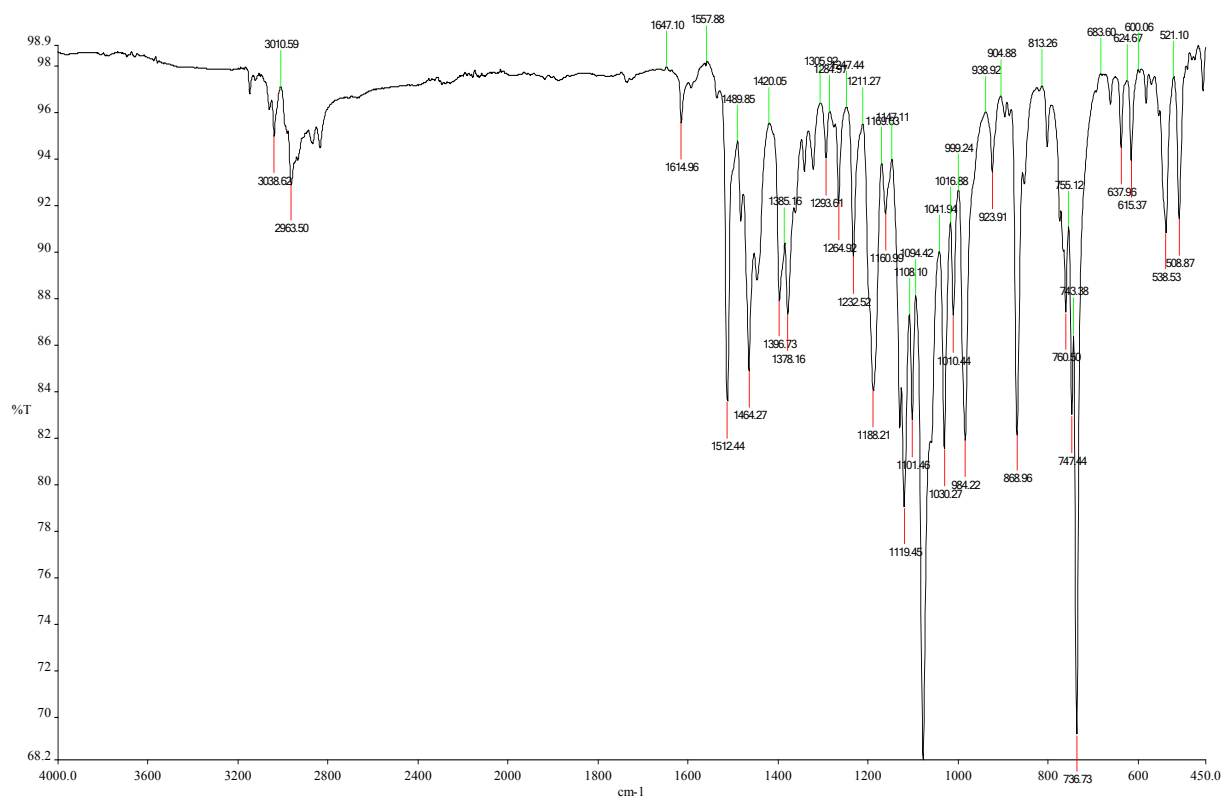


Figure 14. FT-IR spectrum of **2b**

2c

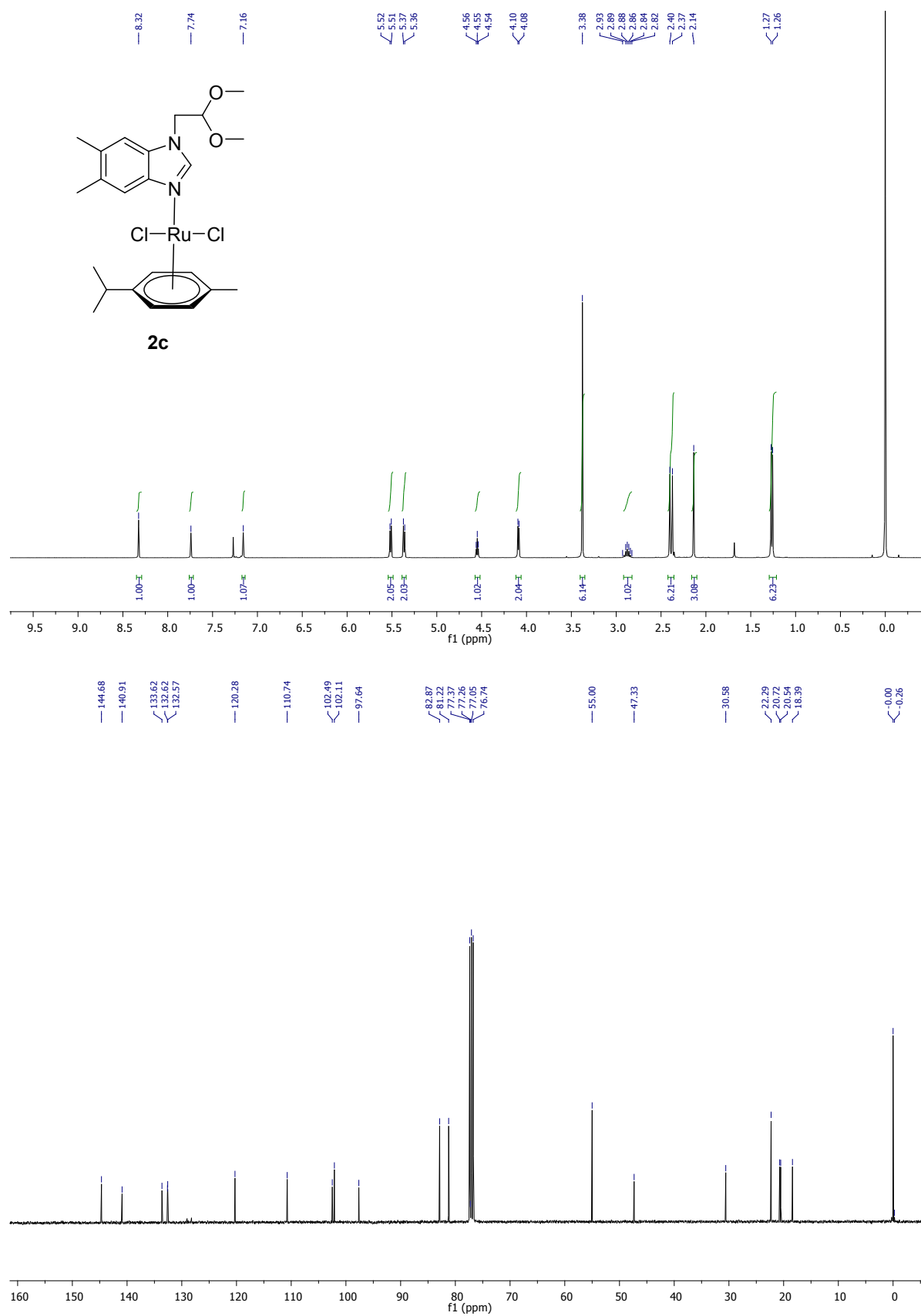


Figure 15. ¹H and ¹³C NMR spectra of 2c

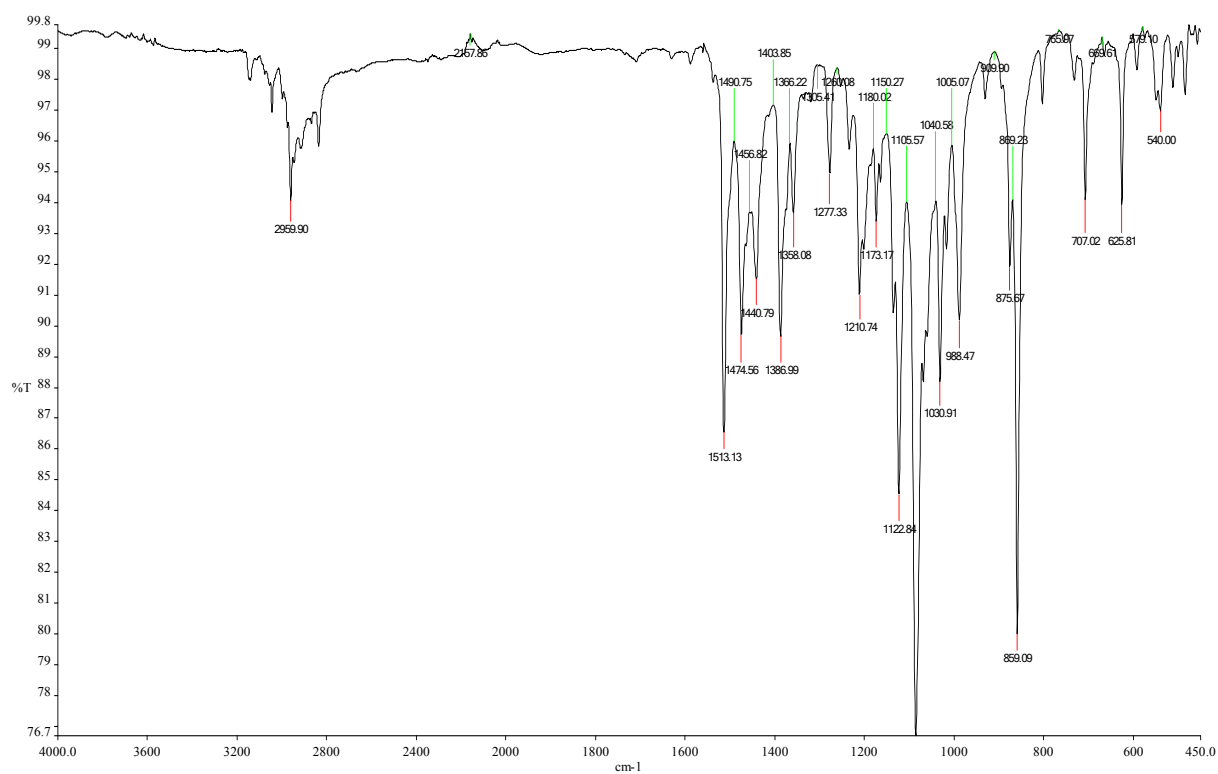


Figure 16. FT-IR spectrum of **2c**

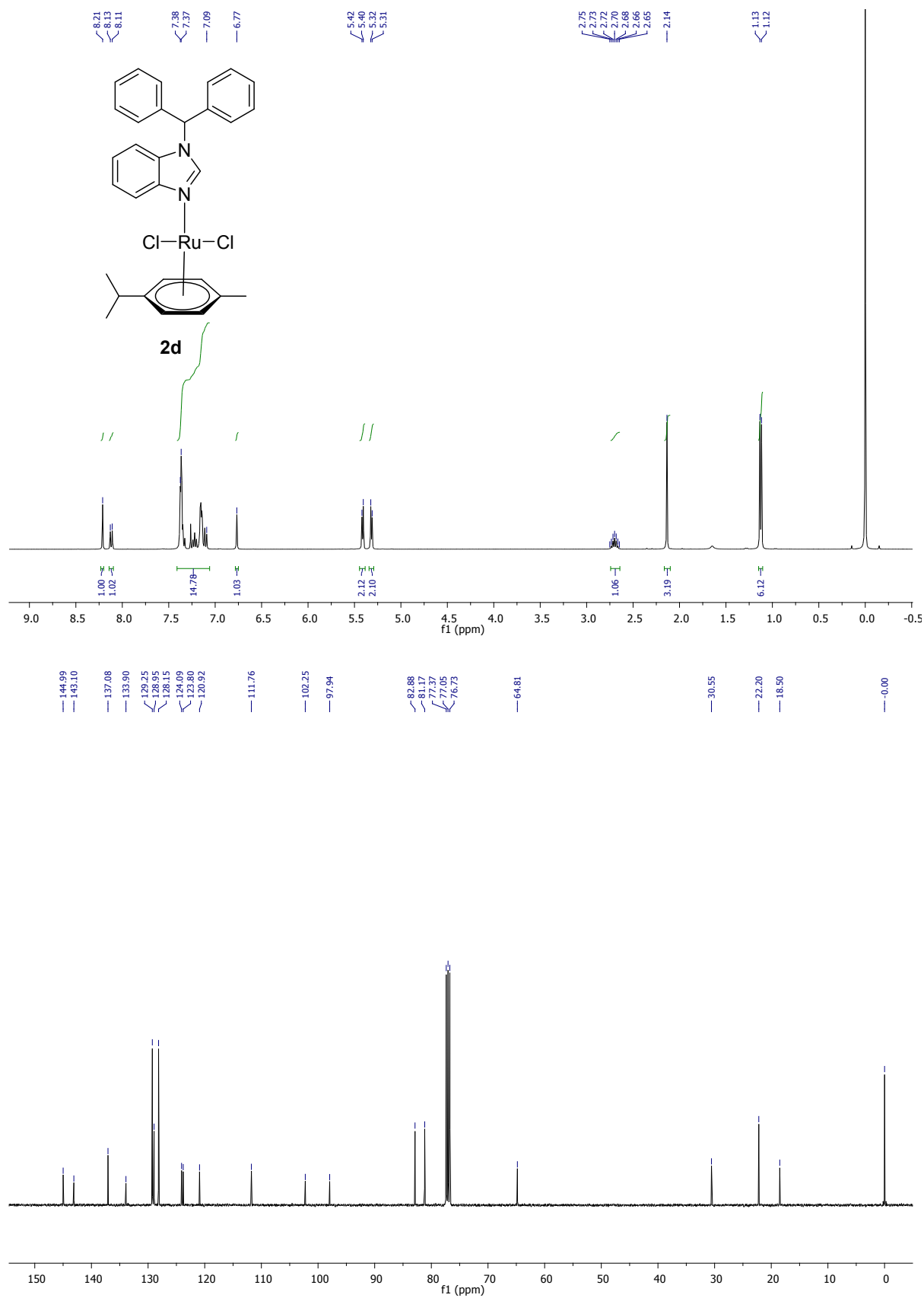


Figure 17. ^1H and ^{13}C NMR spectra of **2d**

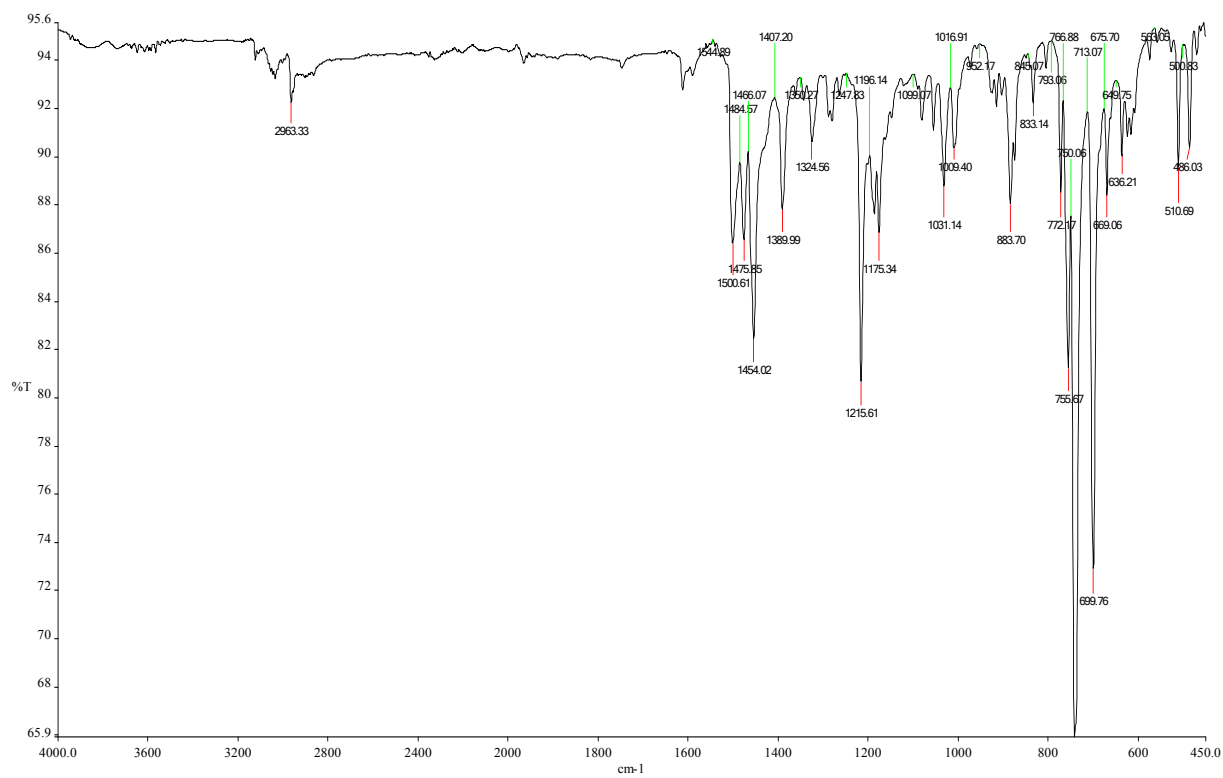


Figure 18. FT-IR spectrum of **2d**

2e

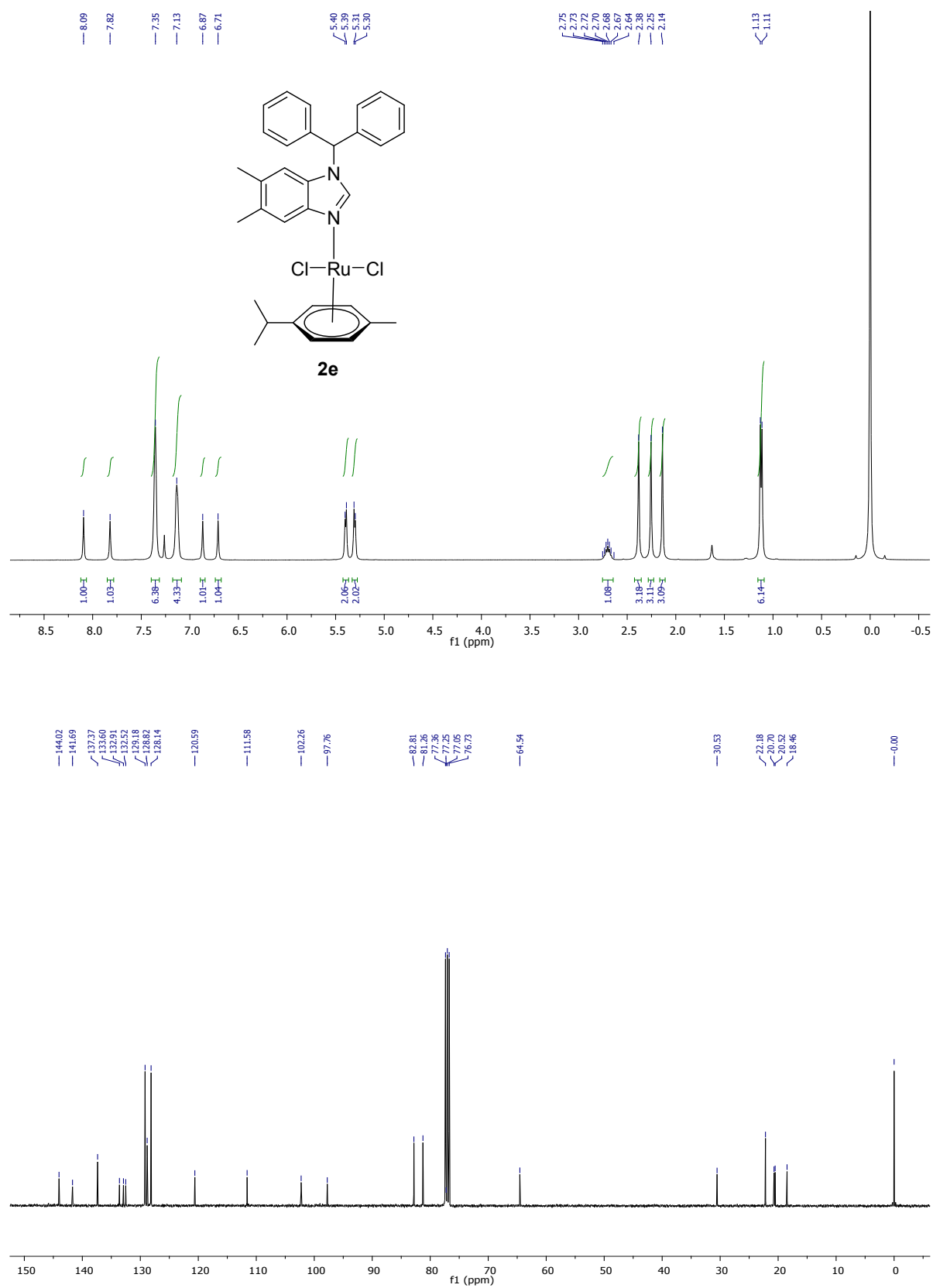


Figure 19. ¹H and ¹³C NMR spectrums of 2e

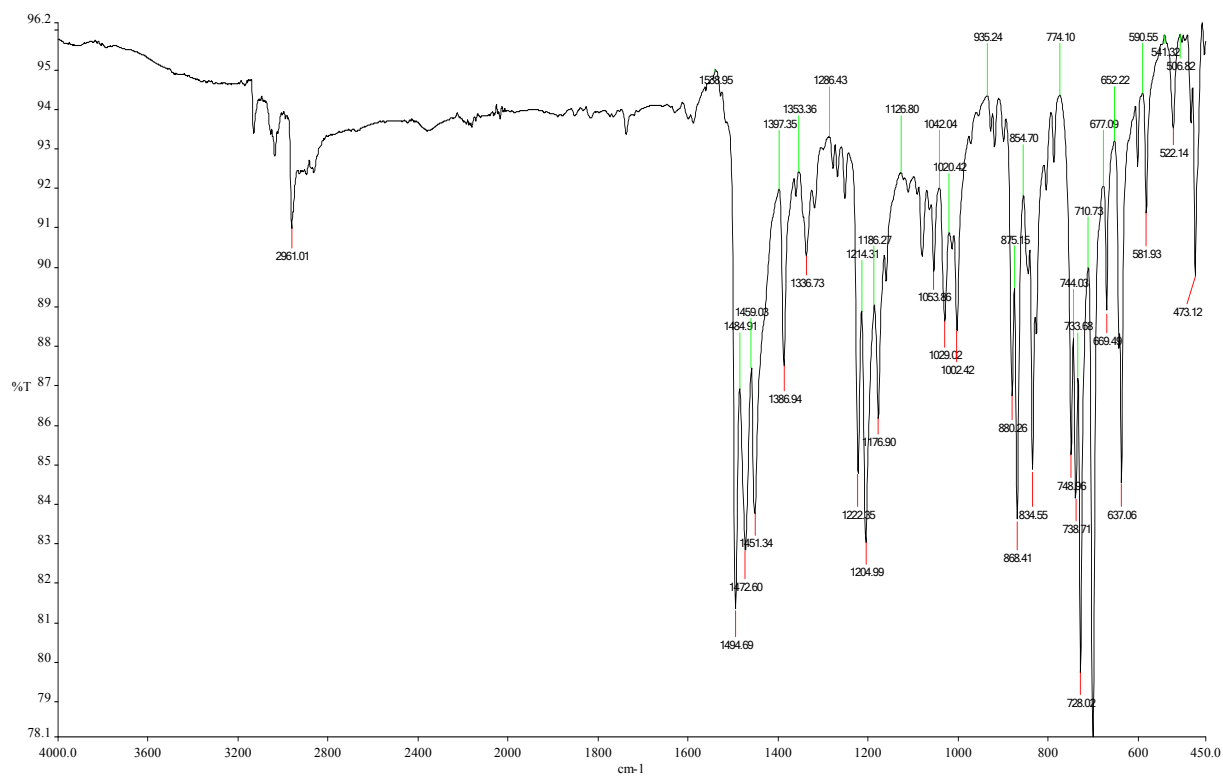


Figure 20. FT-IR spectrum of 2e