Supplementary Material (ESI) for Journal of Materials Chemistry

Towards Materials With Reversible Oxidation and Tuneable Colours Using Heterocyclic Conjugated Azomethines

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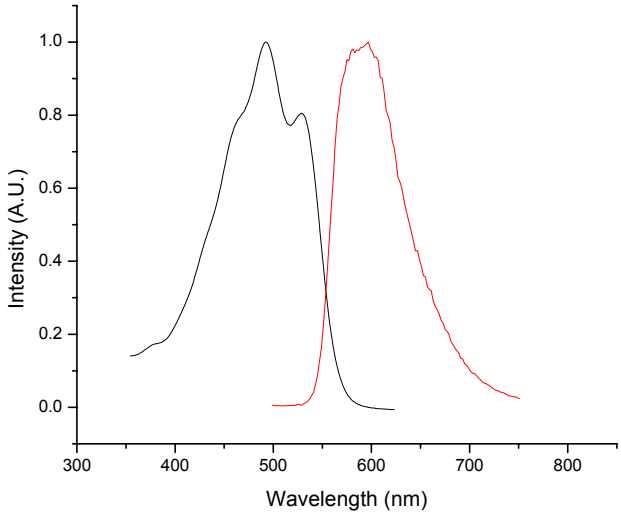

Figure 1. Absorbance (black) and fluorescence (red) of **2** in dichloromethane.

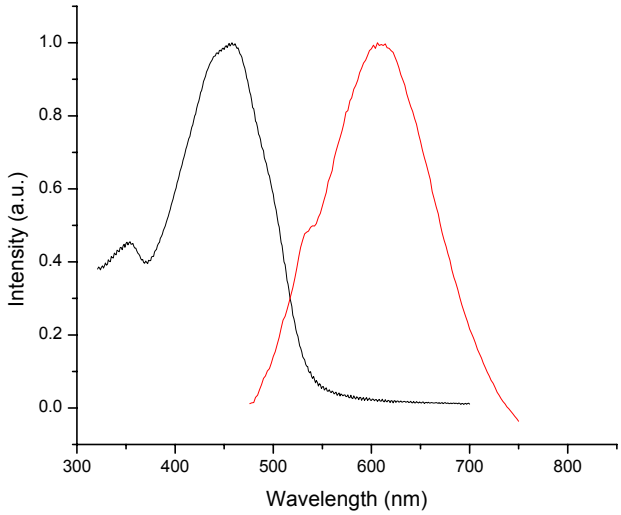

Figure 2. Absorbance (black) and fluorescence (red) of **4** in dichloromethane.

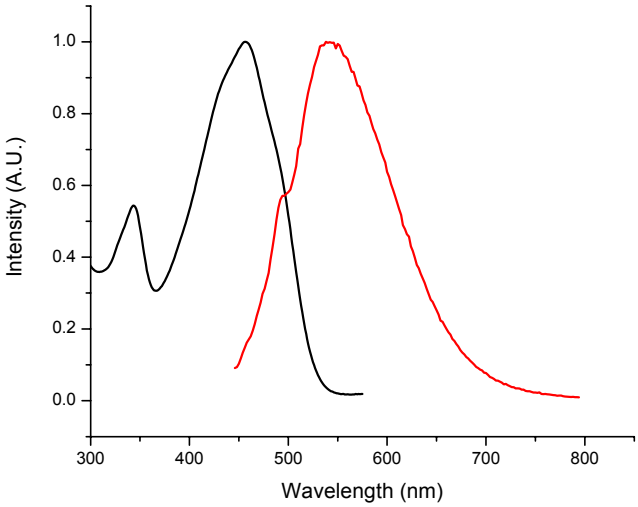

Figure 3. Absorbance (black) and fluorescence (red) of **5** in dichloromethane.

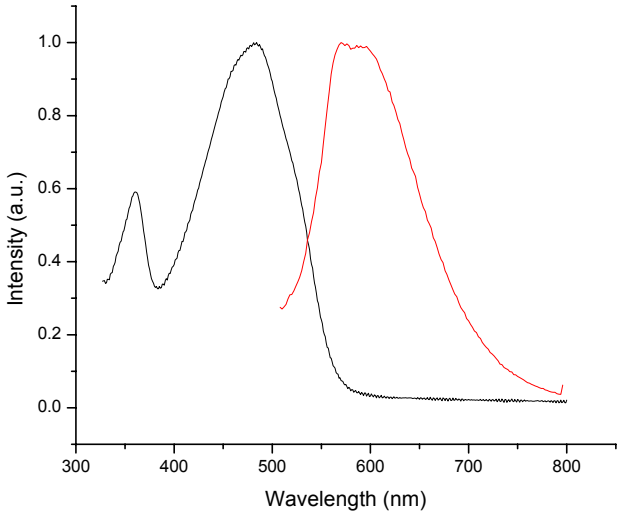

Figure 4. Absorbance (black) and fluorescence (red) of **6** in dichloromethane.

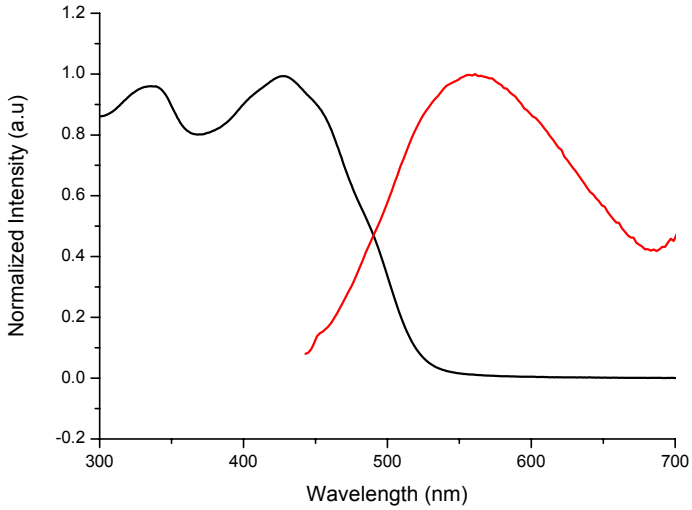

Figure 5. Absorbance (black) and fluorescence (red) of **7** in dichloromethane.

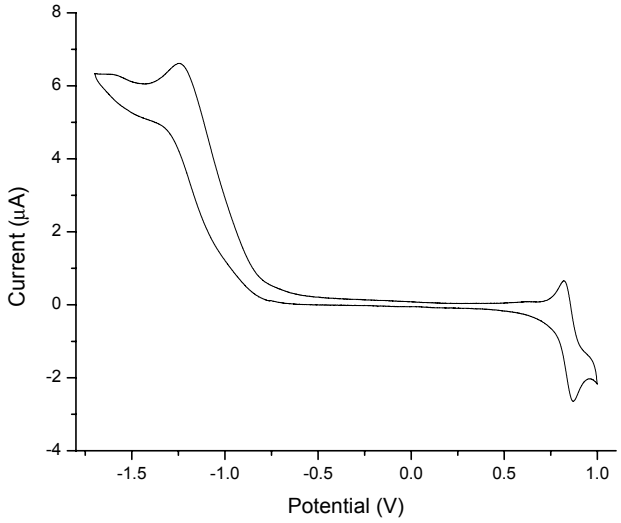

Figure 6. Cyclic voltammogram of **2** with 0.1M $TBAPF_6$ in dichloromethane.

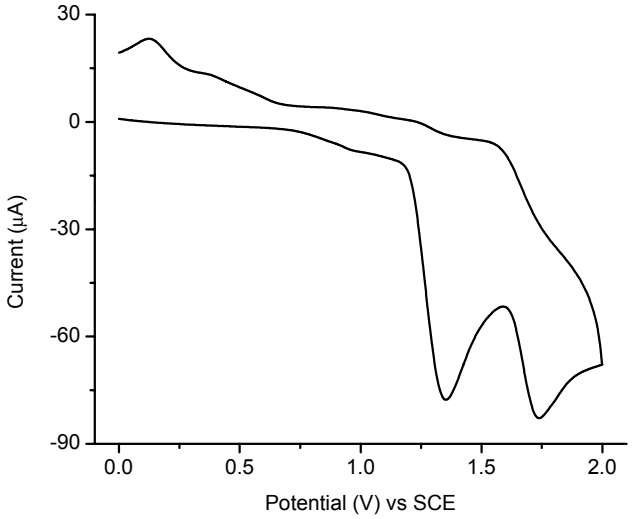

Figure 7. Cyclic voltammogram of **3** with 0.1M $TBAPF_6$ in dichloromethane.

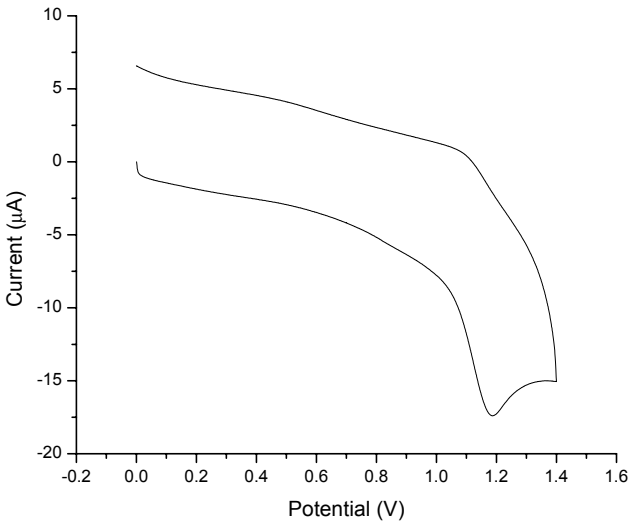

Figure 8. Cyclic voltammogram of **4** with 0.1M $TBAPF_6$ in dichloromethane.

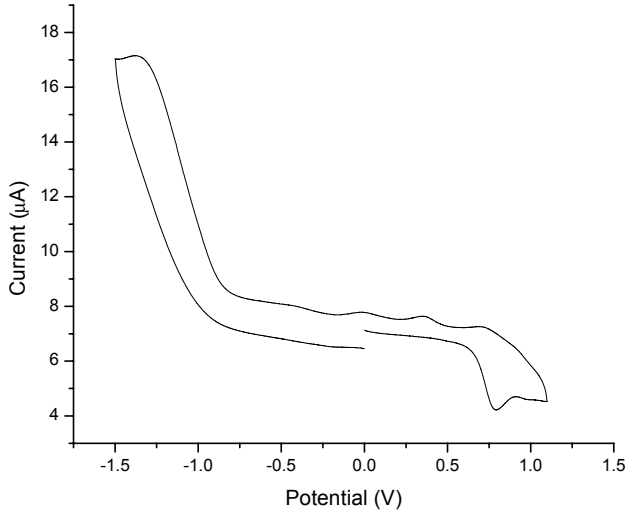

Figure 9. Cyclic voltammogram of **5** with 0.1M $TBAPF_6$ in dichloromethane.

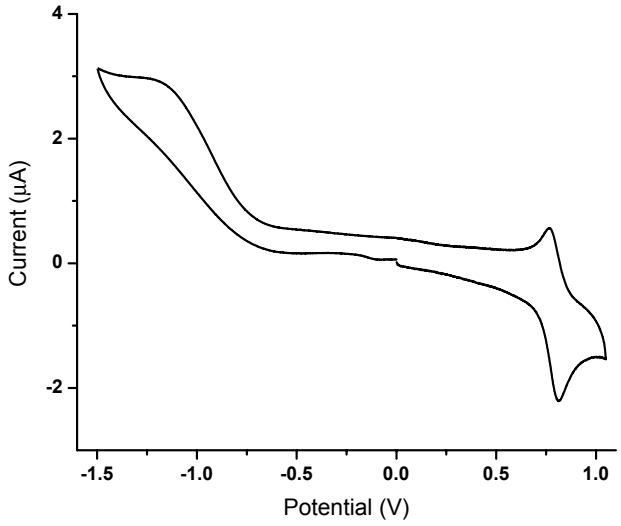

Figure 10. Cyclic voltammogram of **6** with 0.1M $TBAPF_6$ in dichloromethane.

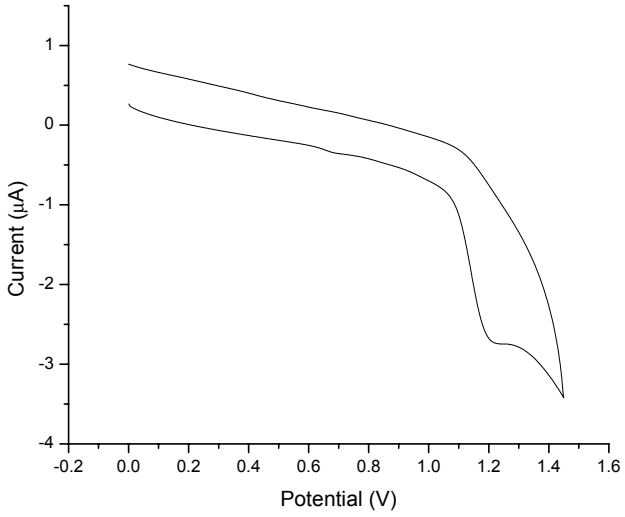

Figure 11. Cyclic voltammogram of **7** with 0.1M $TBAPF_6$ in dichloromethane.

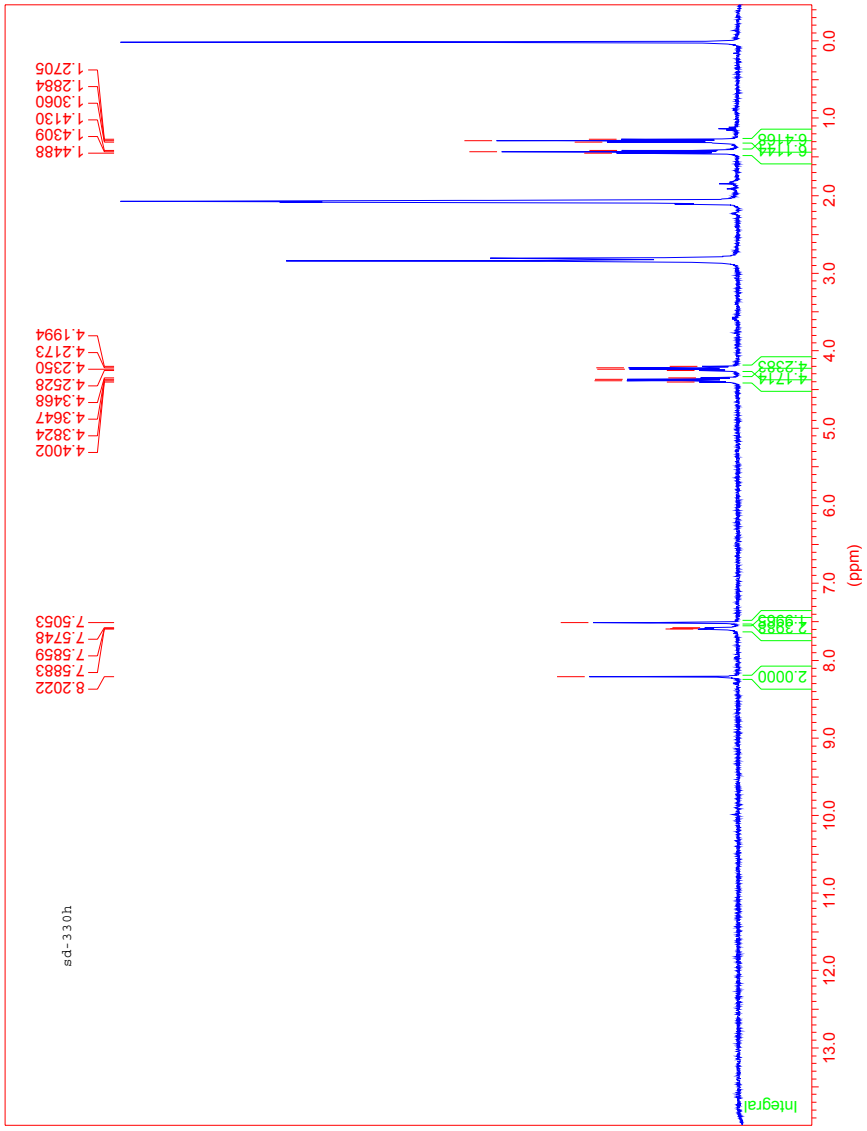

Figure 12. ^{1}H NMR spectra of **2** in deuterated acetone.

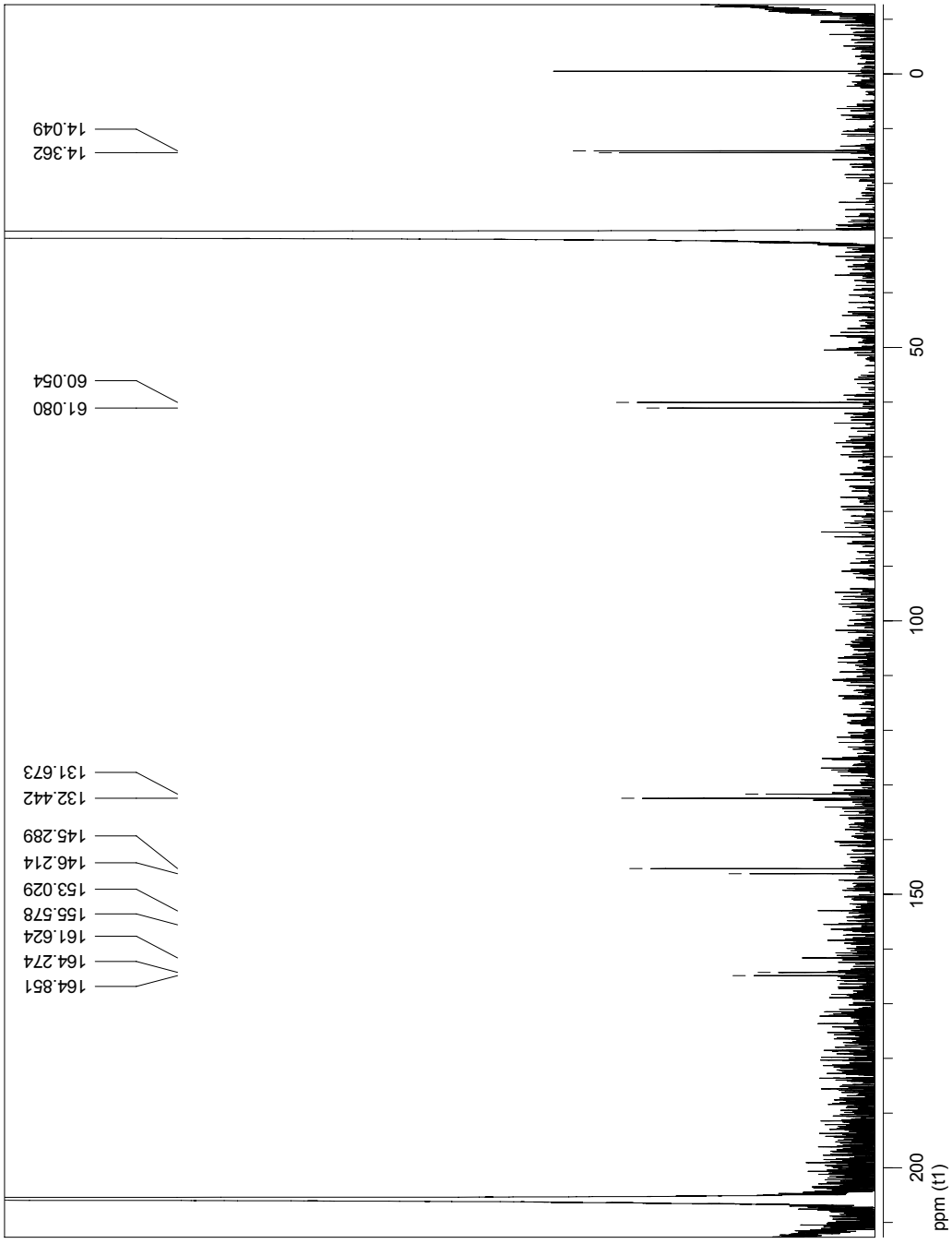

Figure 13. ^{13}C NMR spectra of **2** in deuterated acetone.

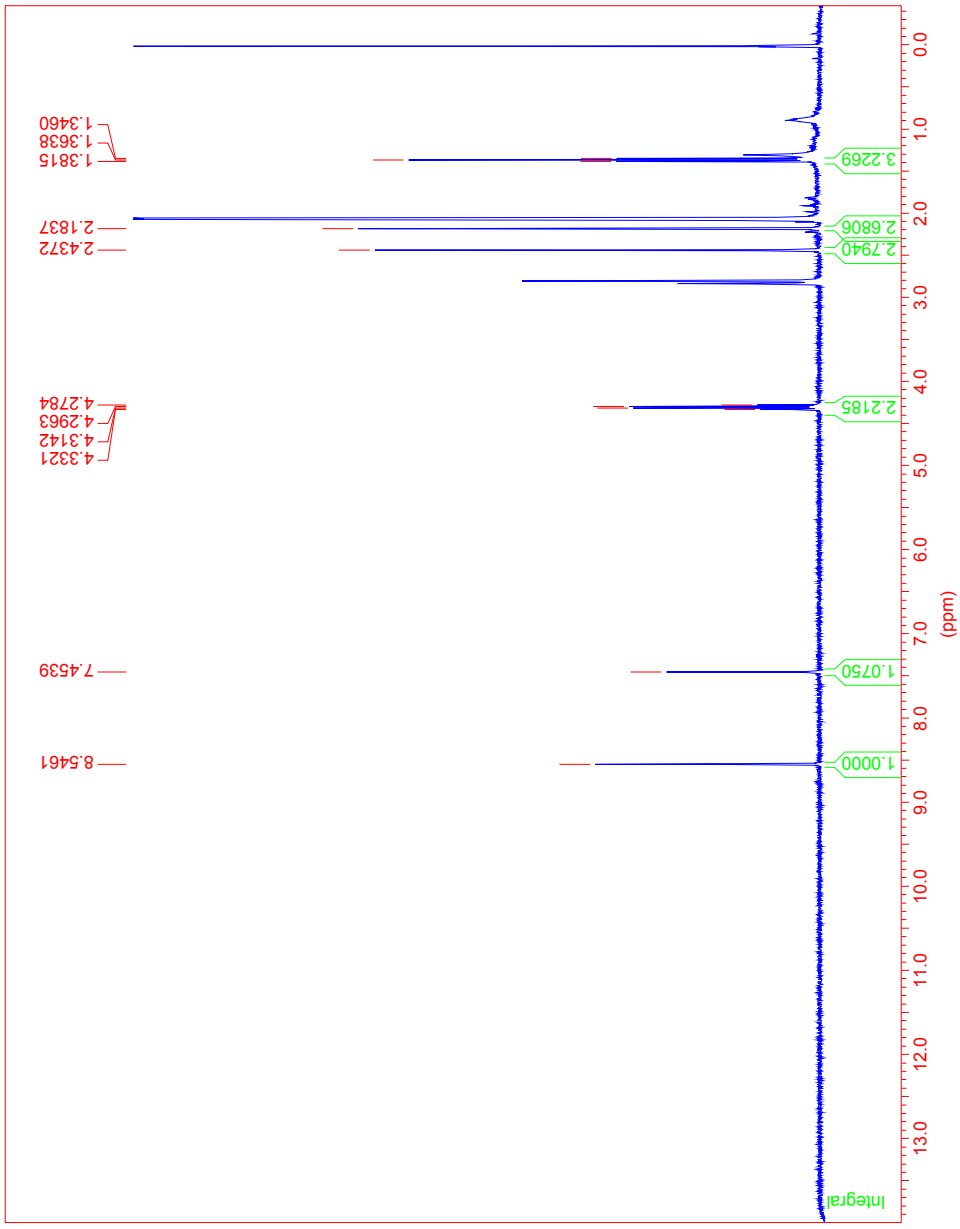

Figure 14. ^{1}H NMR spectra of **4** in deuterated acetone.

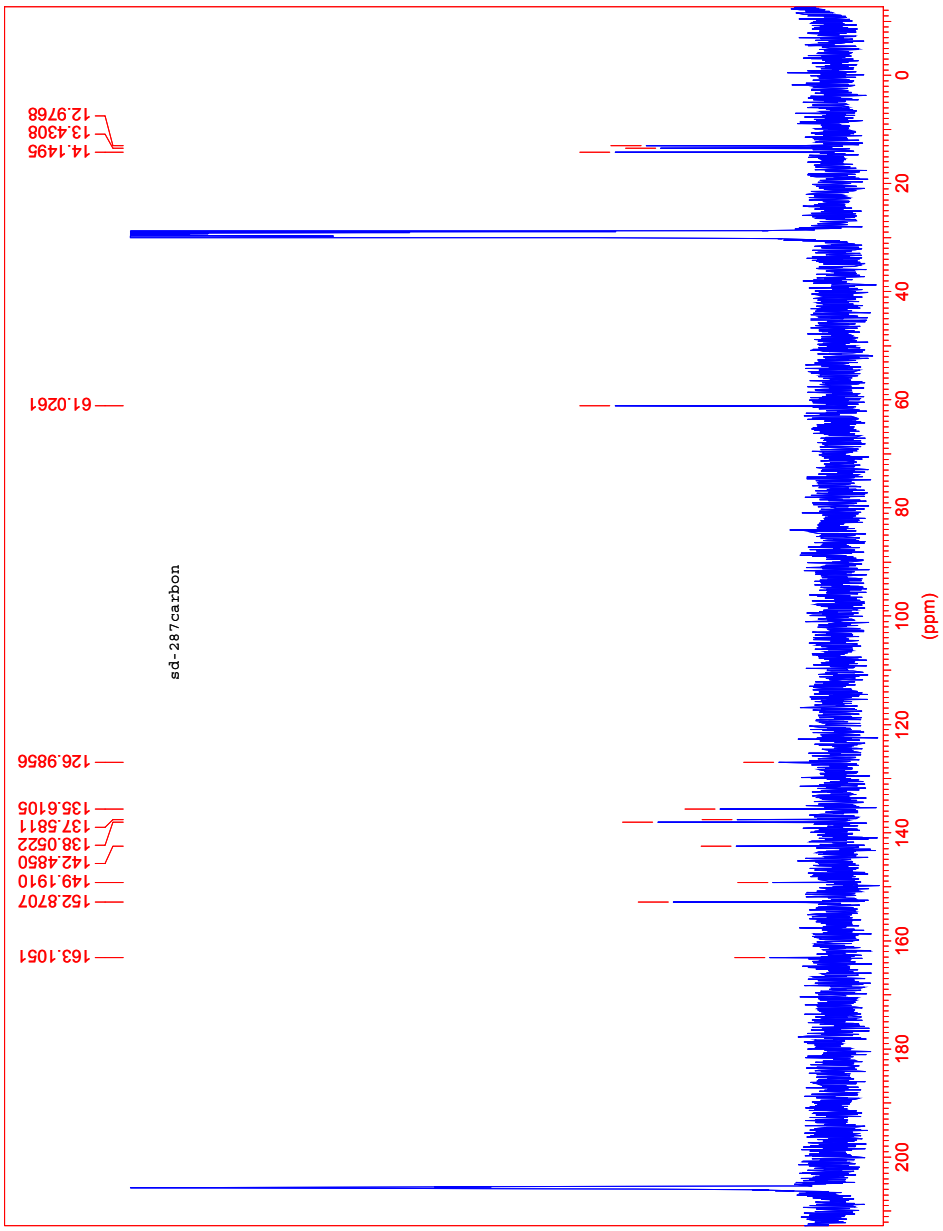

Figure 15. ^{13}C NMR spectra of **4** in deuterated acetone.

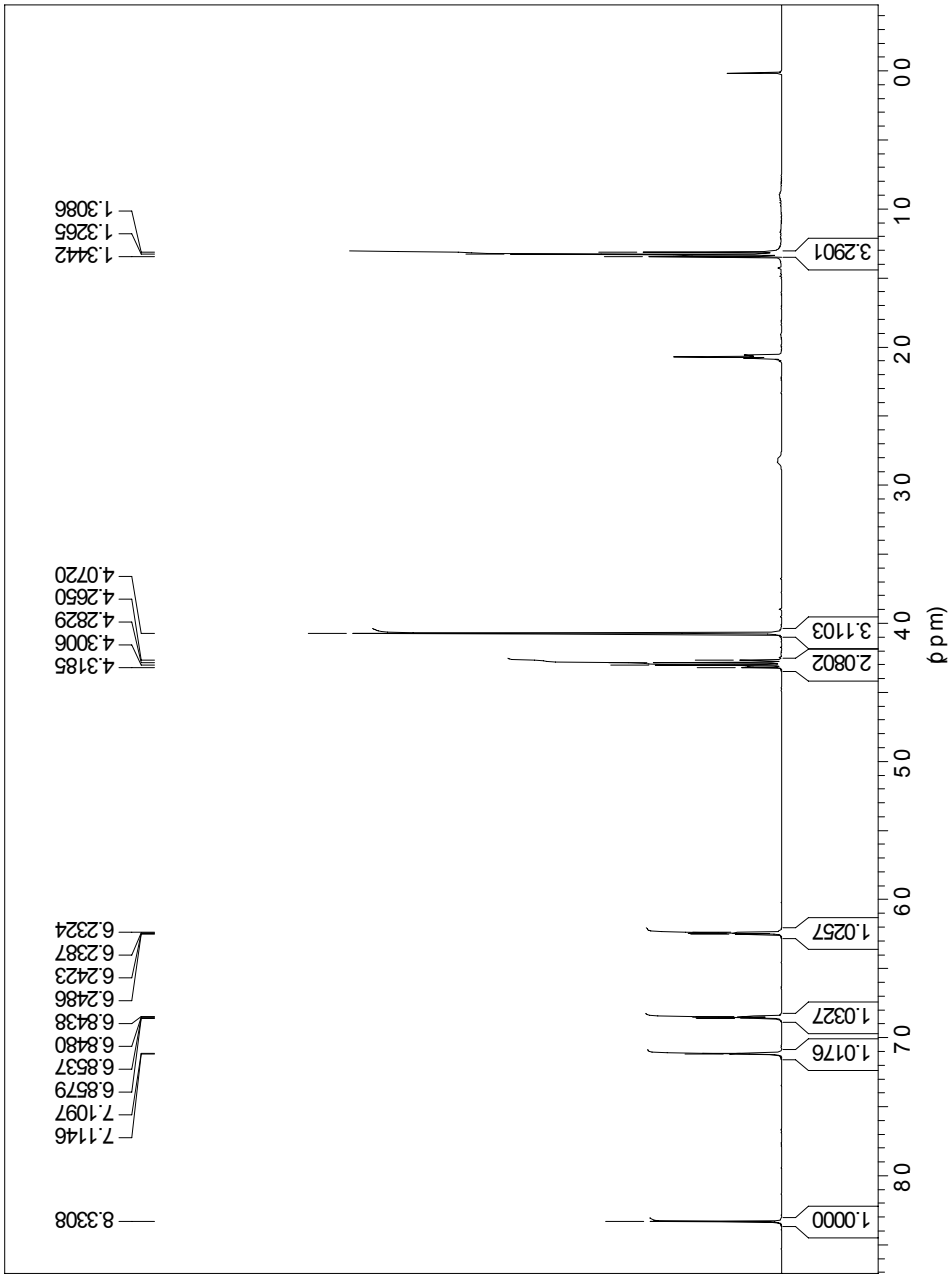

Figure 16. ^{1}H NMR spectra of **5** in deuterated acetone.

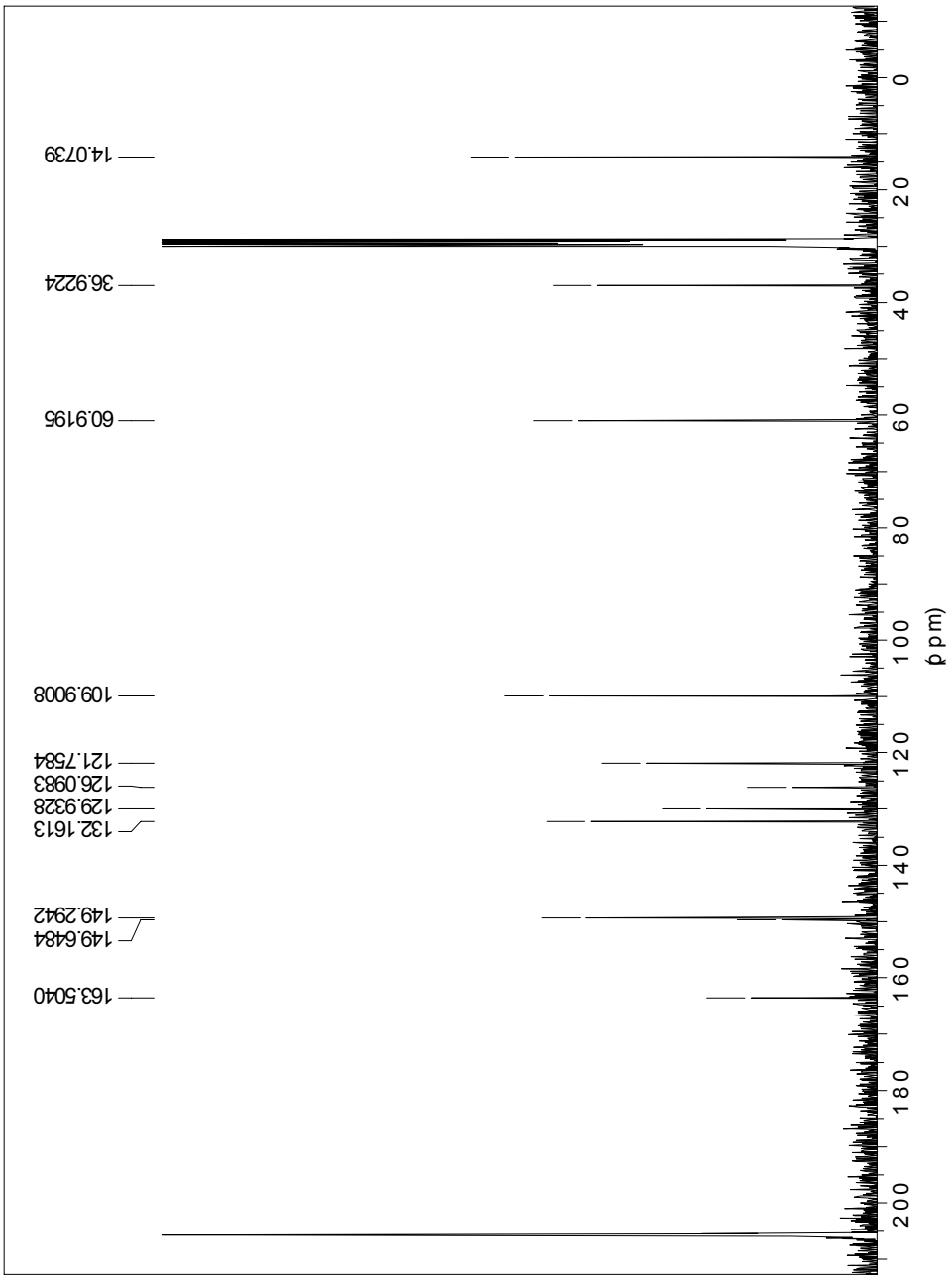

Figure 17. ^{13}C NMR spectra of **5** in deuterated acetone.

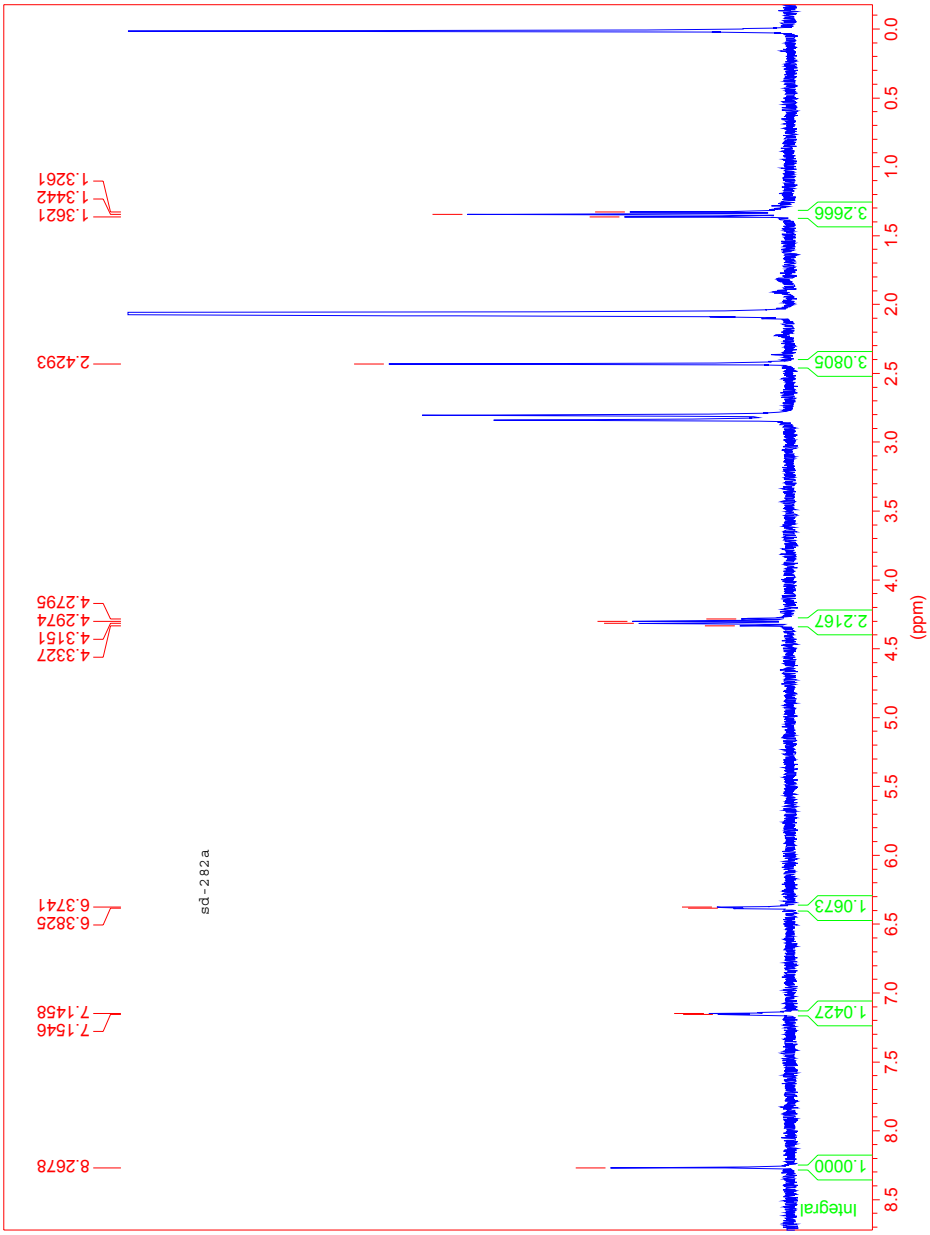

Figure 18. ^{1}H NMR spectra of **6** in deuterated acetone.

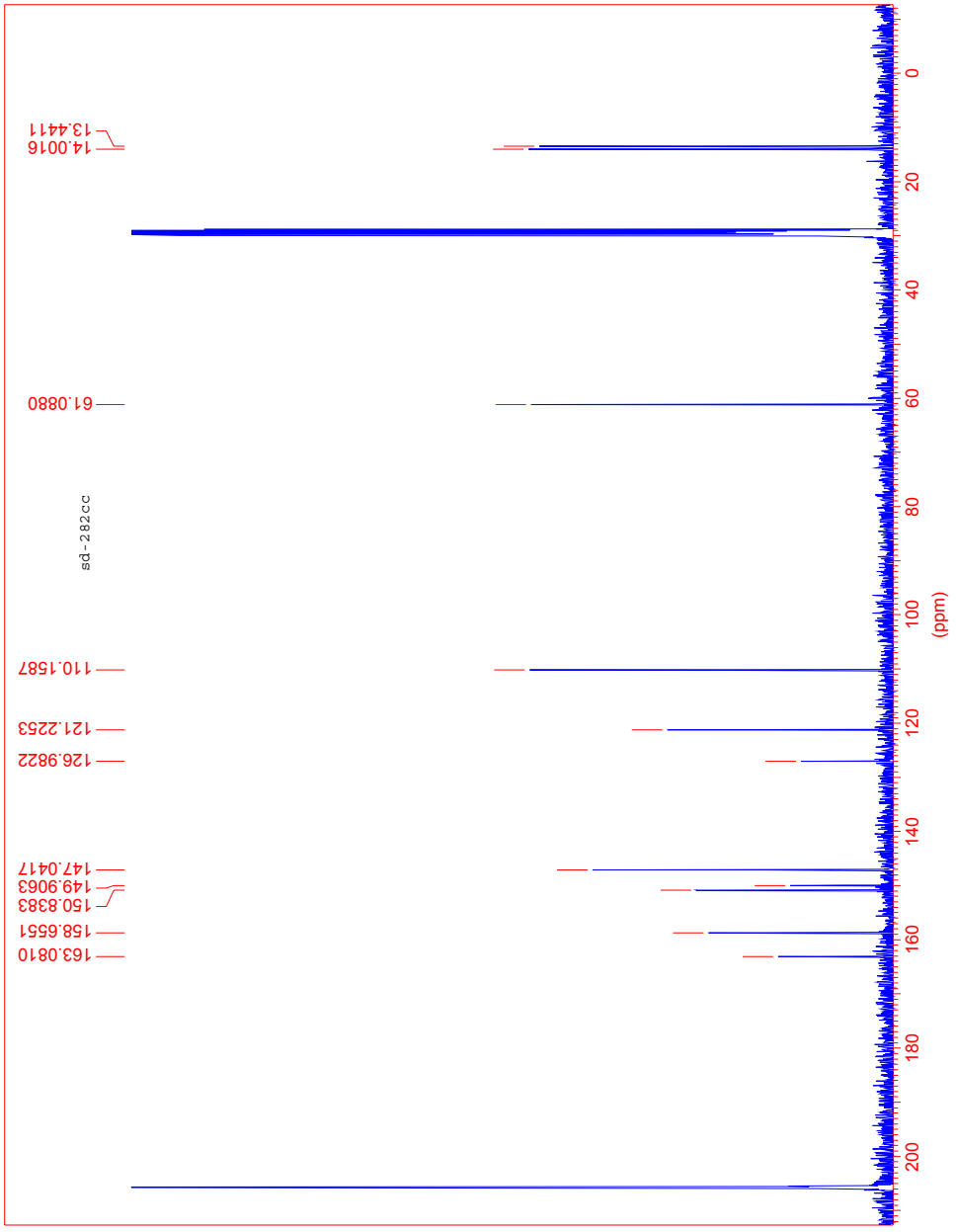

Figure 19. ^{13}C NMR spectra of **6** in deuterated acetone.

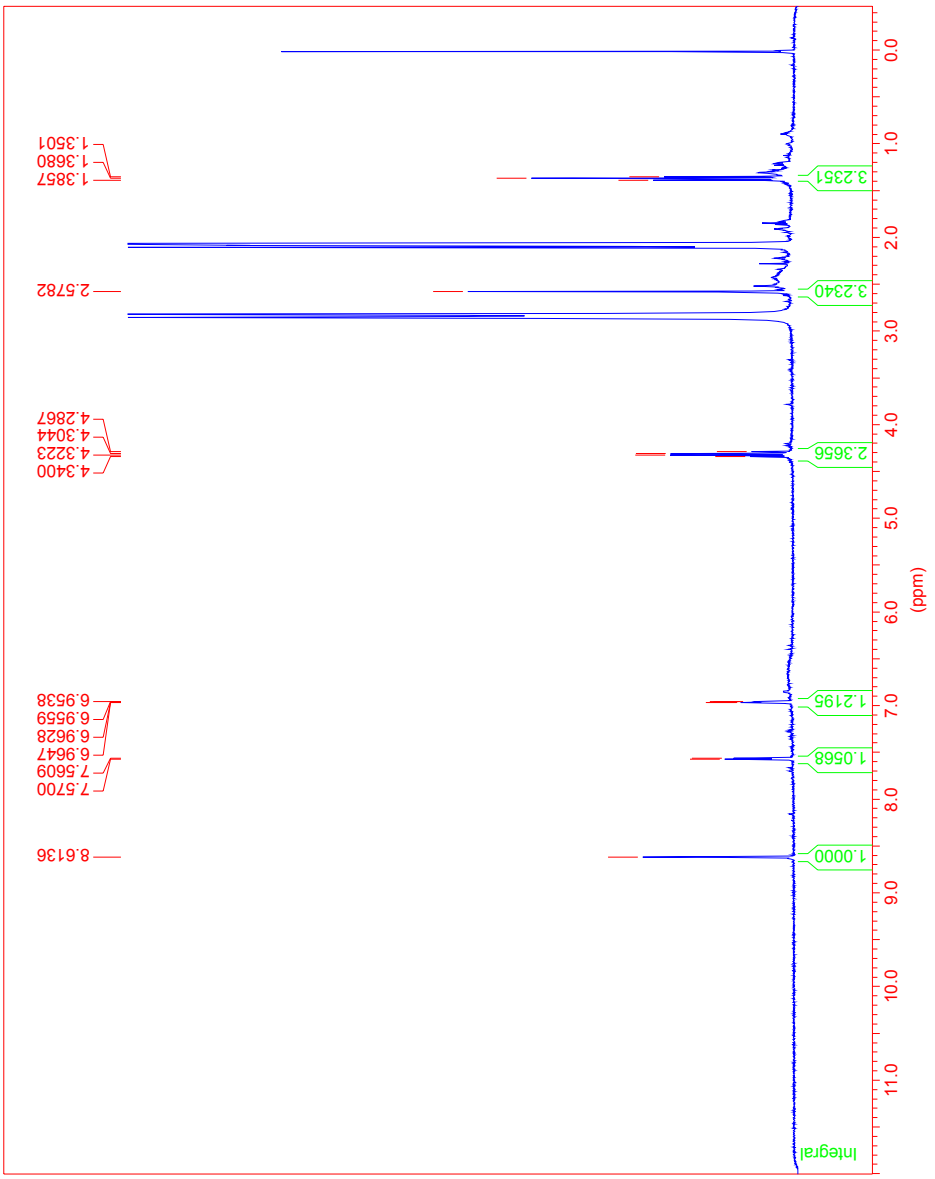

Figure 20. ^{1}H NMR spectra of **7** in deuterated acetone.

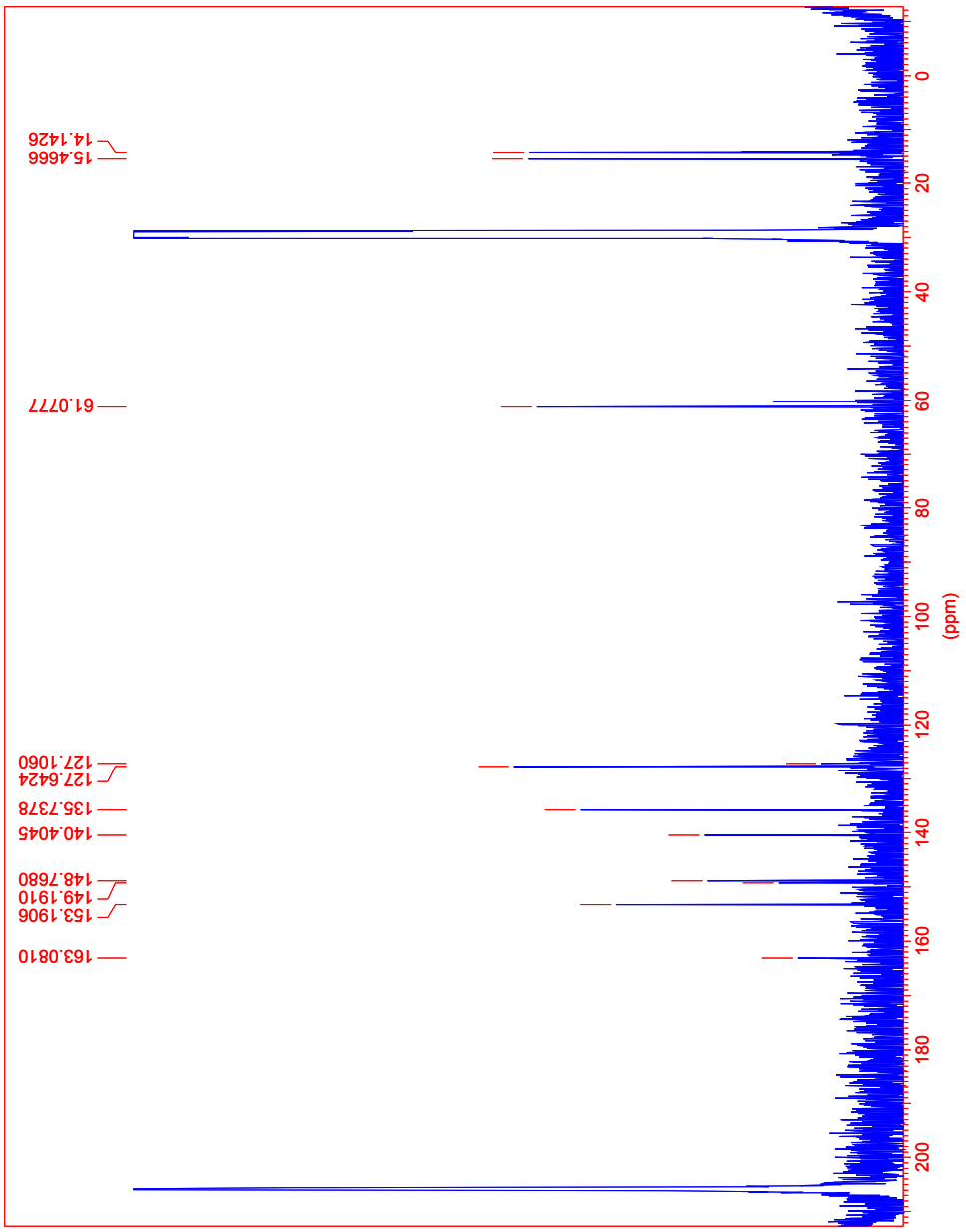

Figure 21. ^{13}C NMR spectra of **7** in deuterated acetone.