

Supporting Information

SYNTHESIS OF PYRAZOLO[4,3-*c*]QUINOLINES AND THE C-C BOND CLEAVAGE DURING REDUCTIVE CYCLIZATION

Nisha Devi,^a Antriksh Gupta,^a Raghuram Gujjarappa,^b Chandi C. Malakar,^{b*} and Virender Singh^{a,c*}

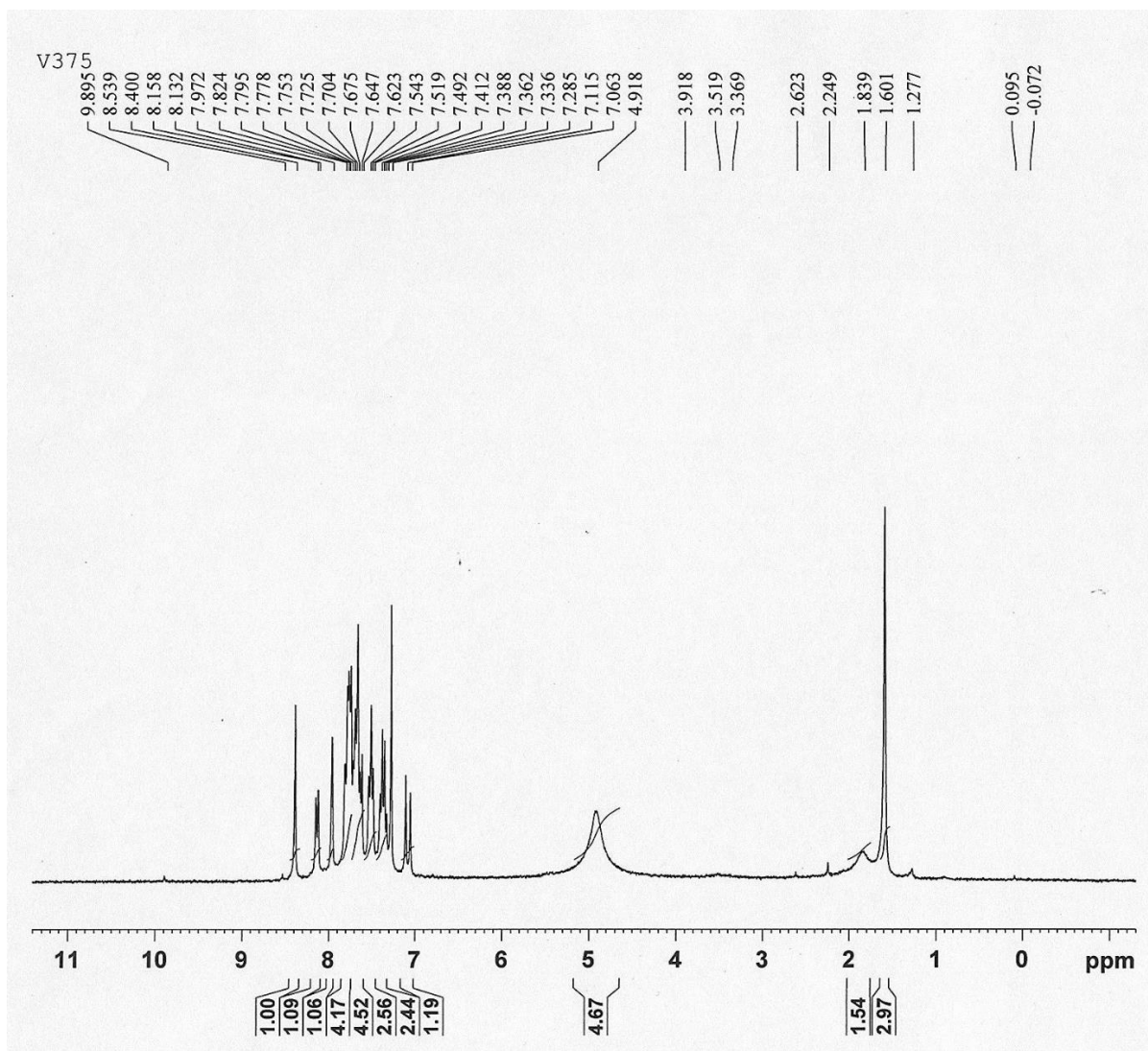
^aDepartment of Chemistry and Biotechnology, Dr B R Ambedkar National Institute of Technology Jalandhar-144011, Punjab, India. E-mail: singhv@nitj.ac.in

^bDepartment of Chemistry, National Institute of Technology Manipur, Langol, Imphal-795004, Manipur, India. E-mail: cmalakar@nitmanipur.ac.in

^cDepartment of Chemistry, Central University of Punjab, Bathinda, 151001, Punjab, India

Contents:	Page
1. NMR Spectral Data	2

1. NMR Spectral Data



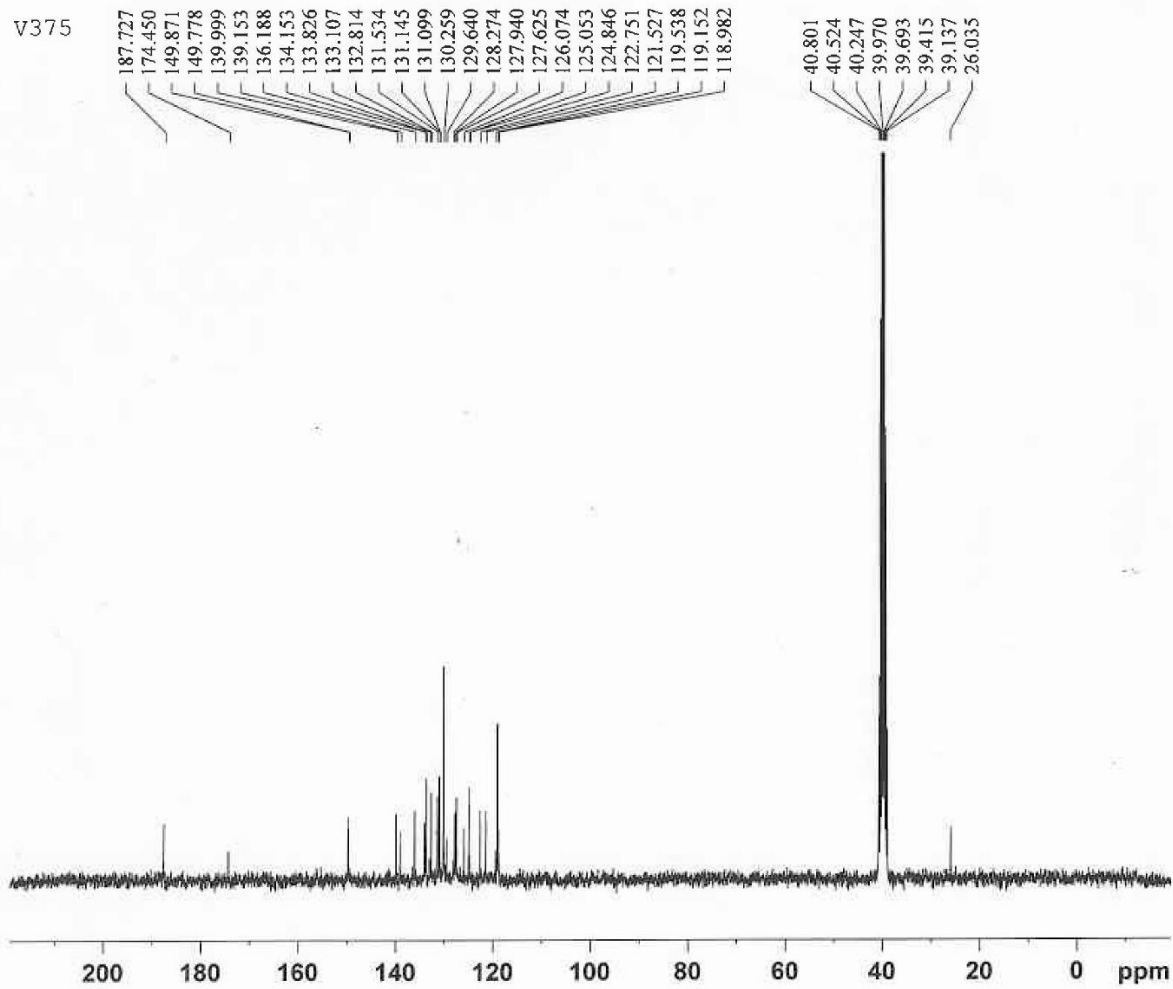


Figure 1. ^1H (300 MHz), ^{13}C (100 MHz) NMR spectra of **6ab** in CDCl_3 and $\text{DMSO-}d_6$ respectively.

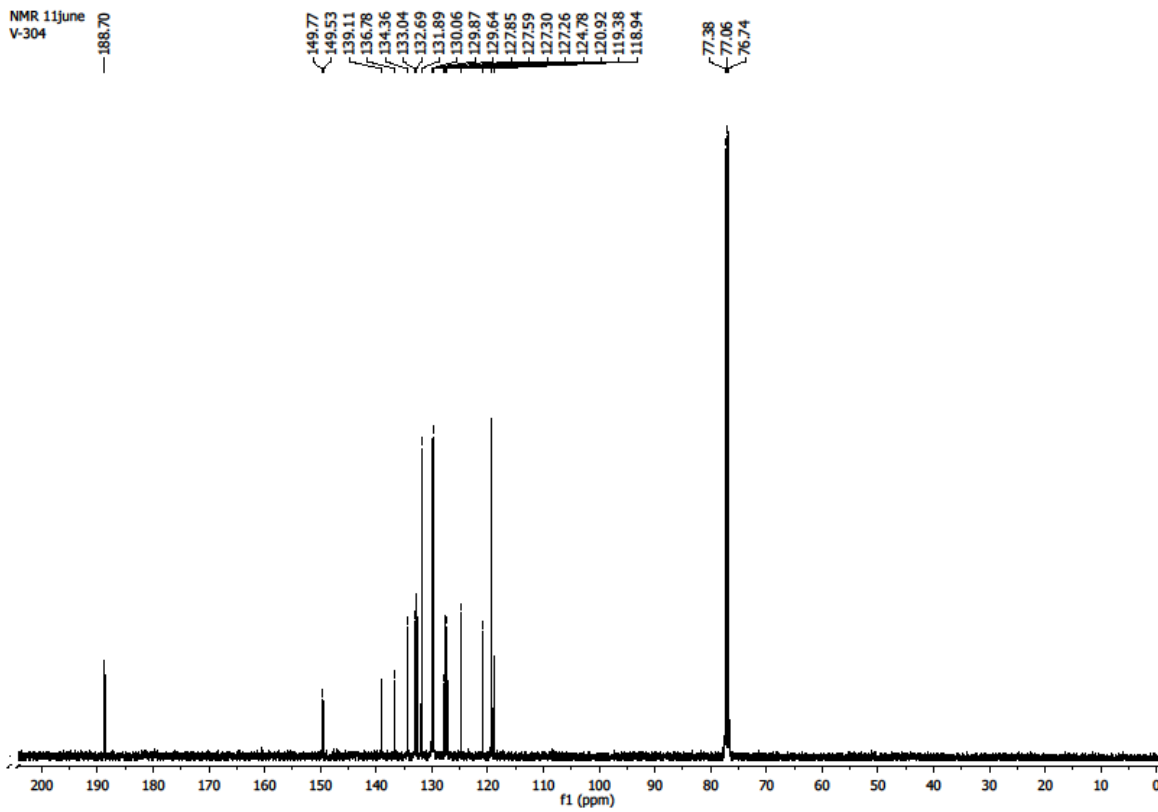
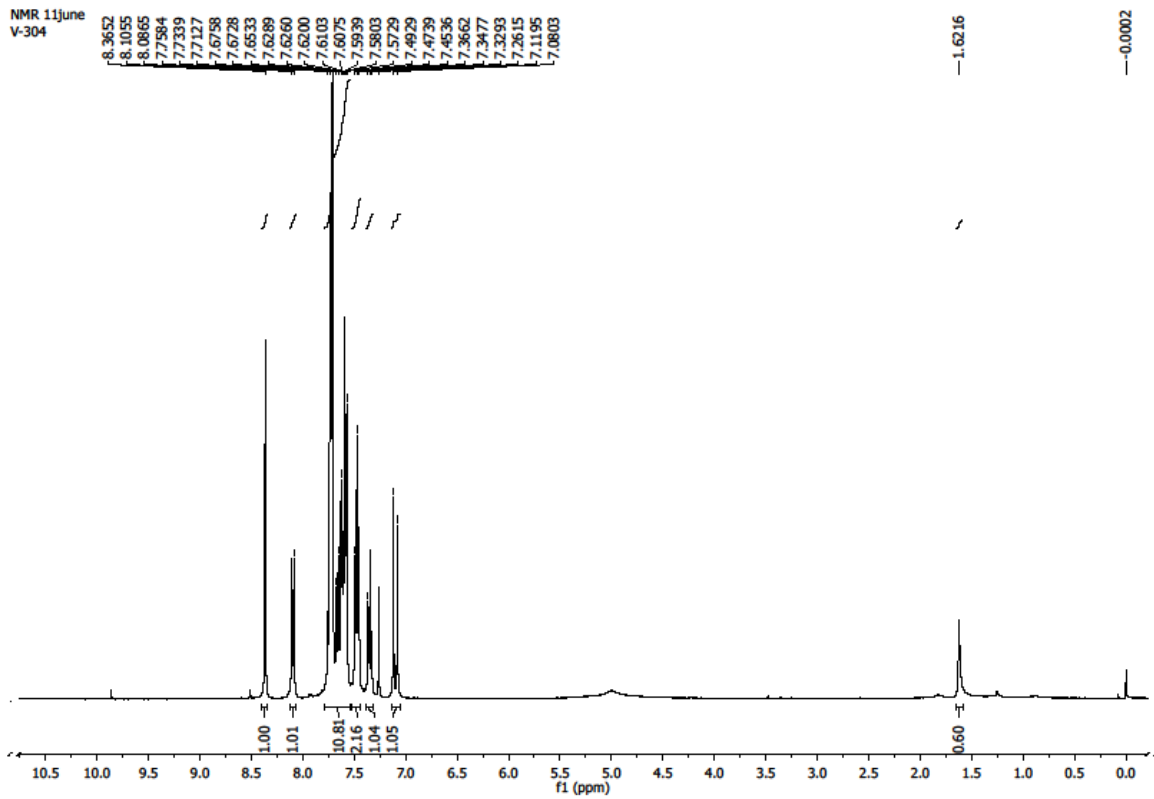
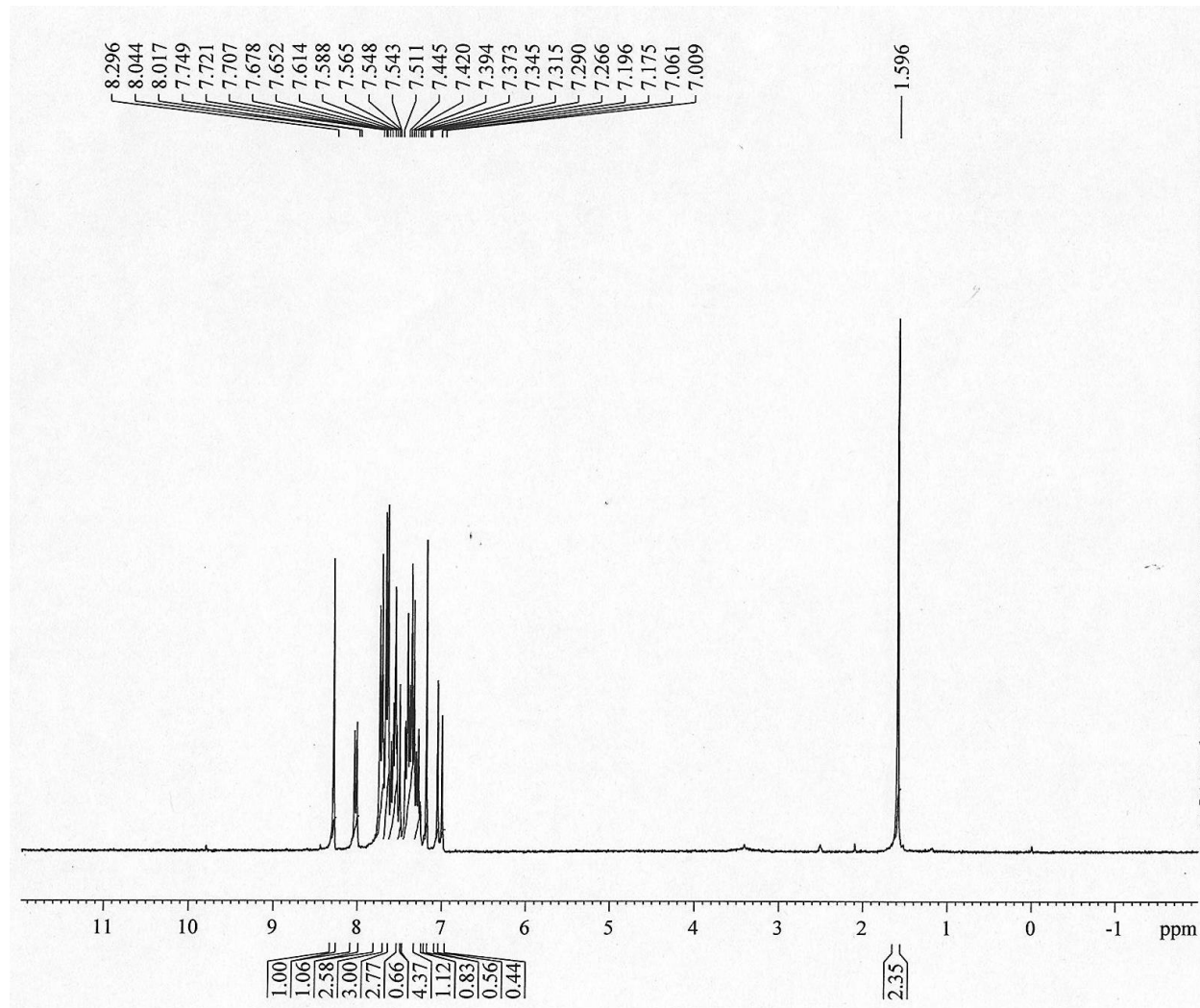


Figure 2. ^1H (400 MHz), ^{13}C (100 MHz) NMR spectra of **6ac** in CDCl_3 .



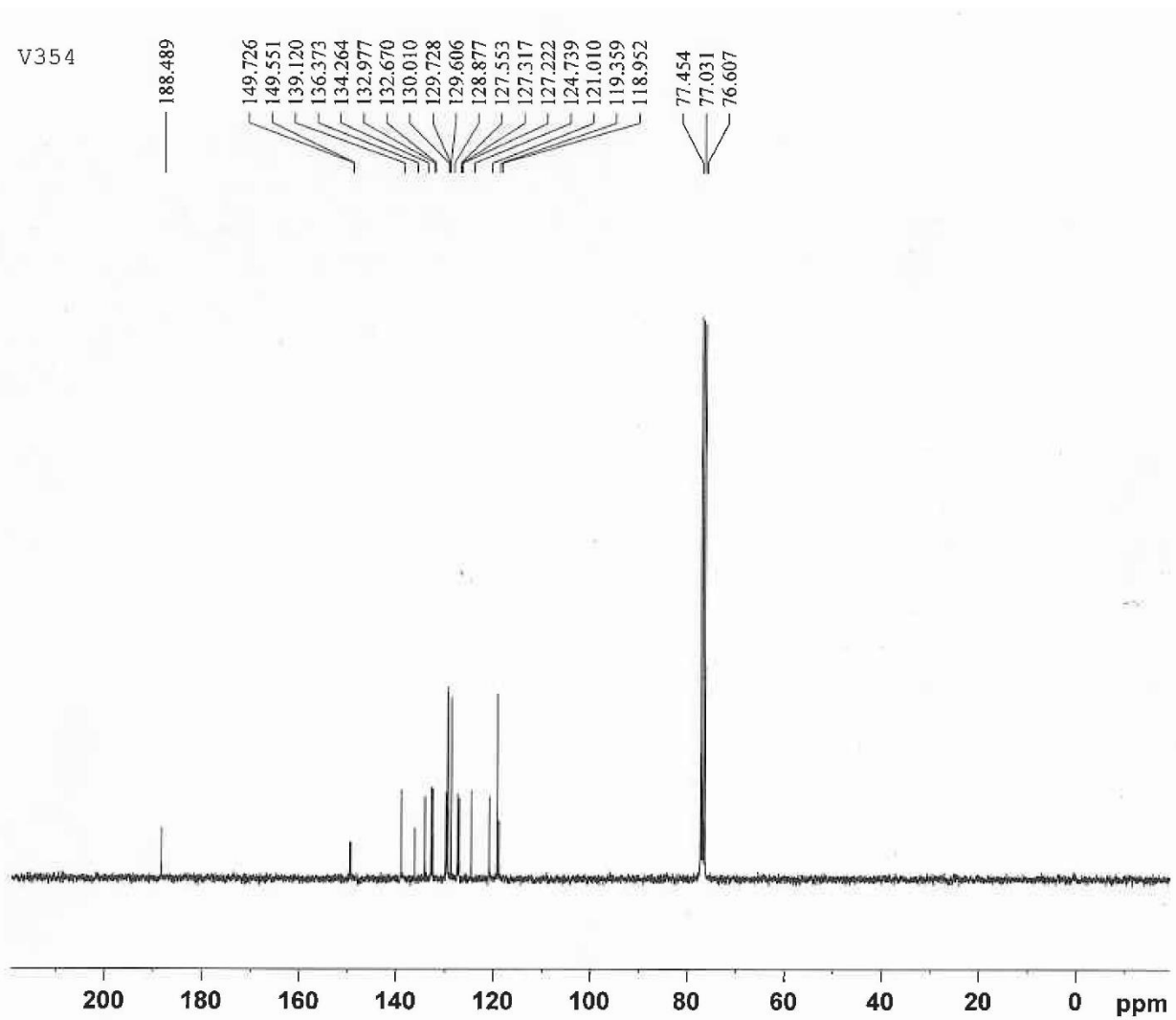
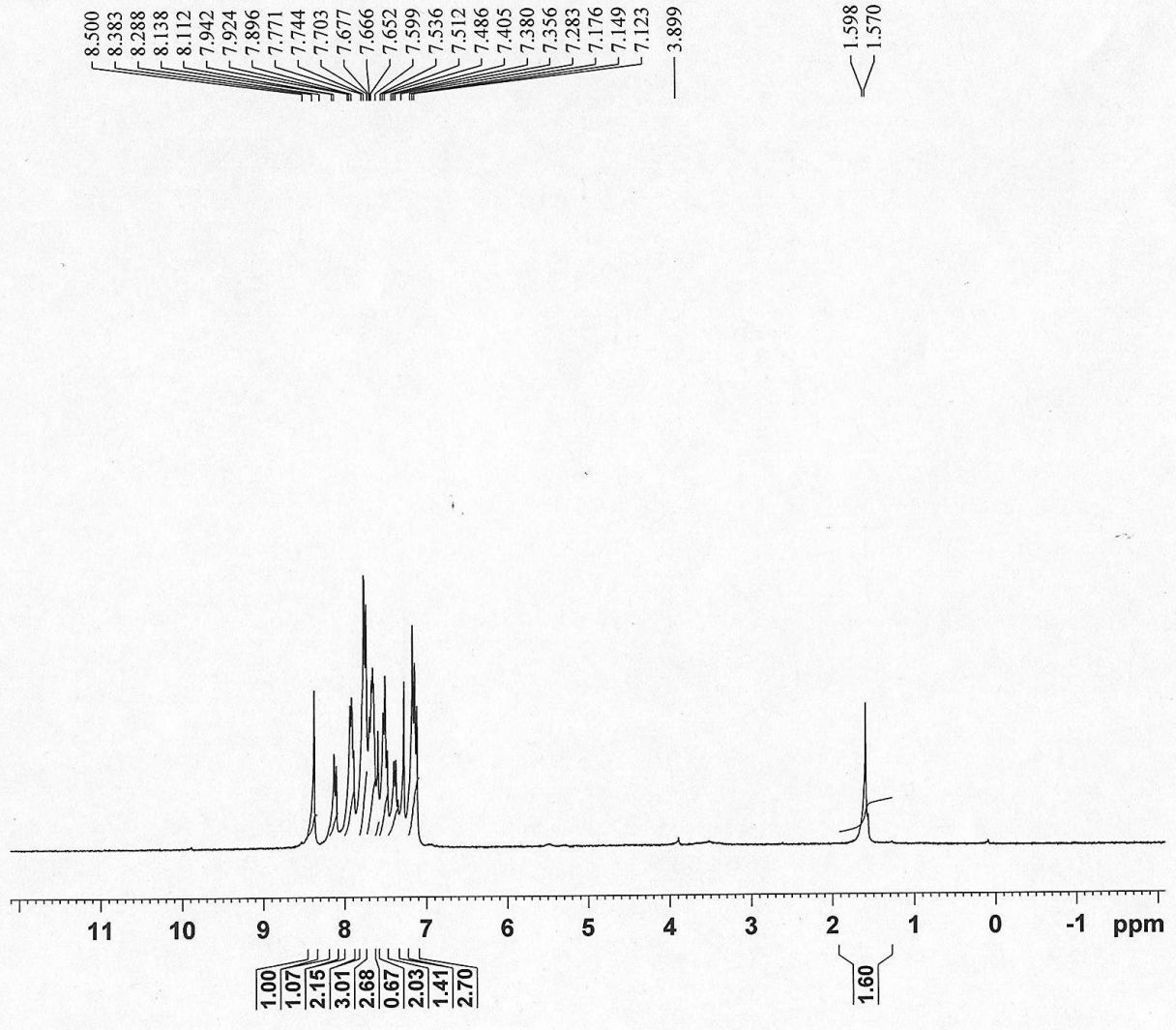


Figure 3. ^1H (400 MHz), ^{13}C (100 MHz) NMR spectra of **6ad** in CDCl_3 .

V376



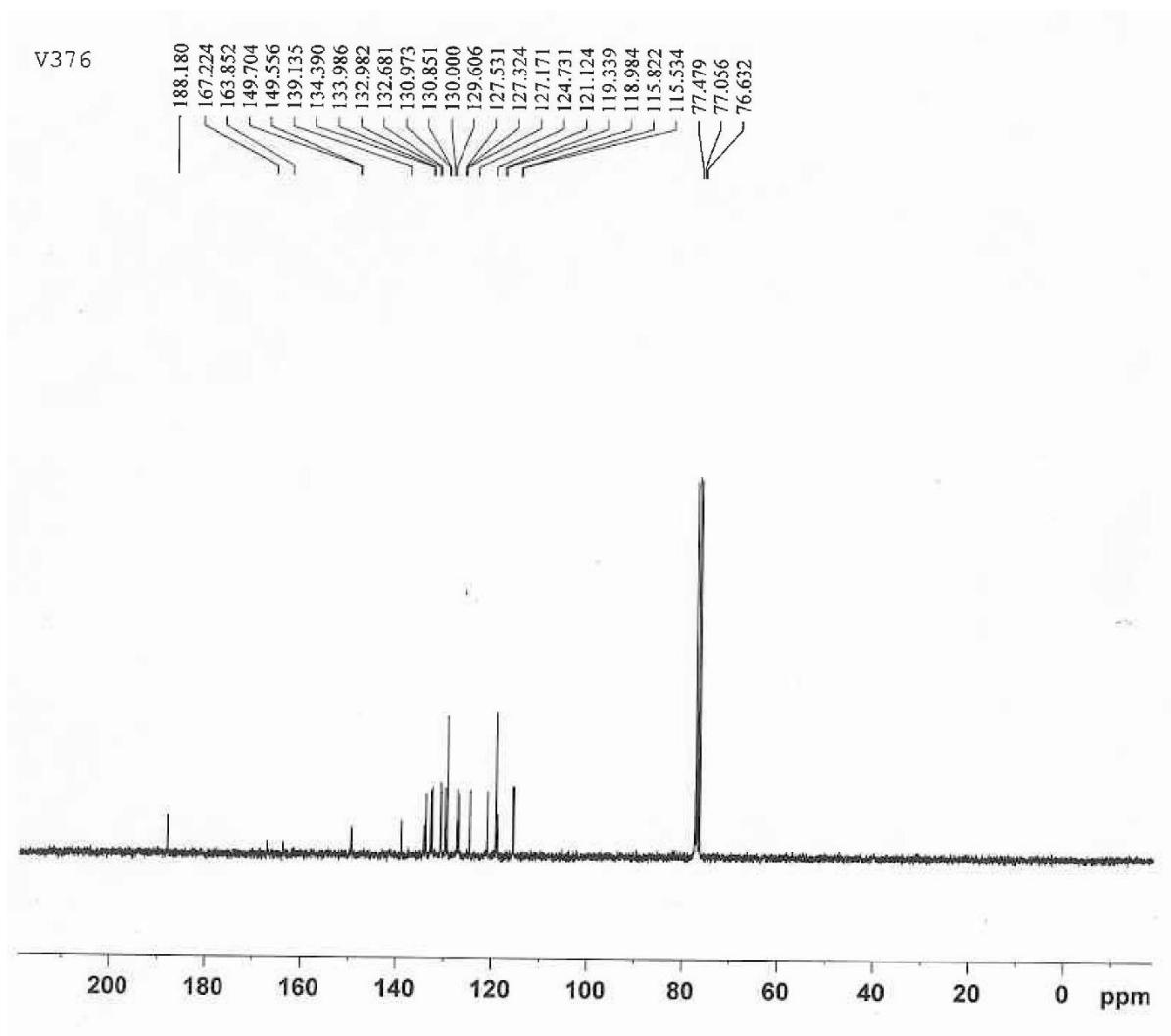


Figure 4. ^1H (400 MHz), ^{13}C (100 MHz) NMR spectra of **6ae** in CDCl_3 .

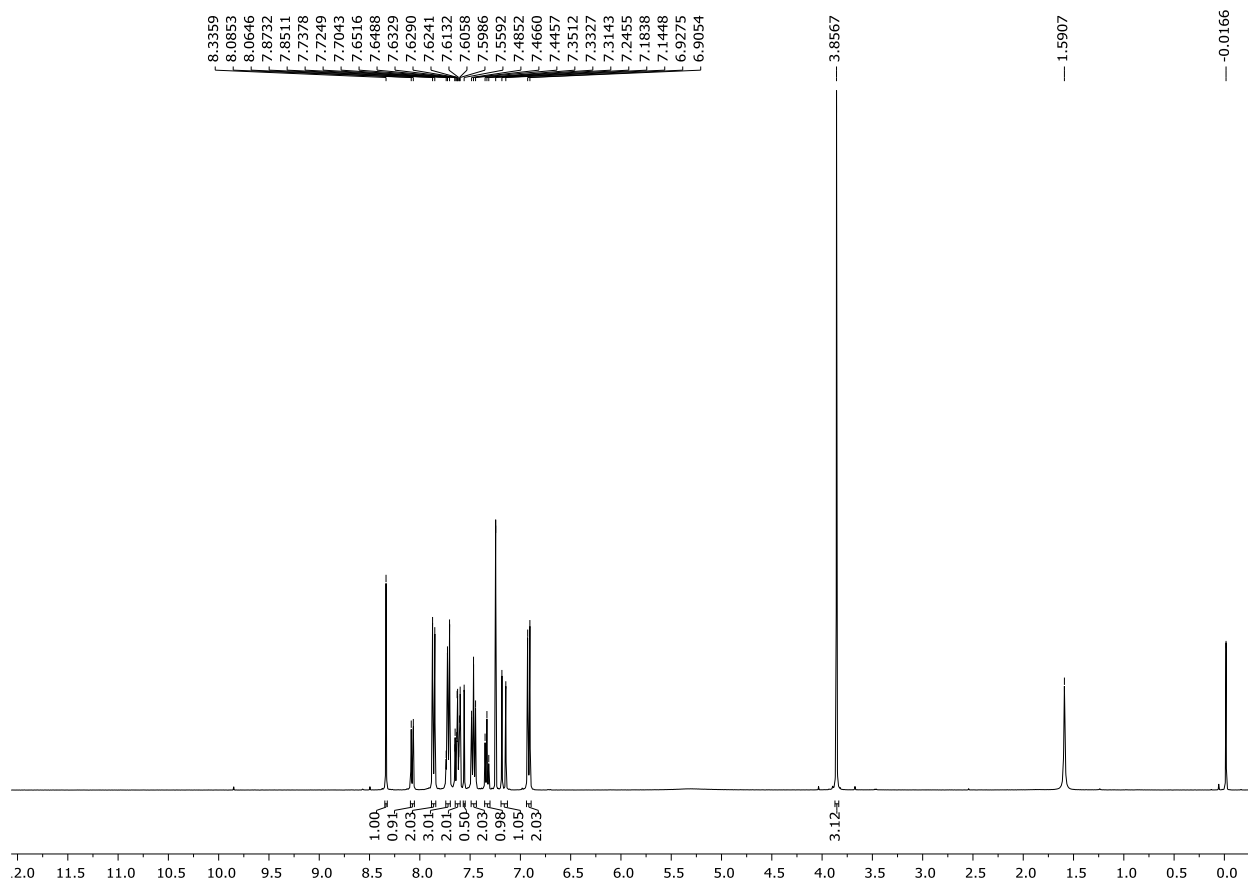


Figure 5. ^1H (400 MHz) NMR spectra of **6af** in CDCl_3 .

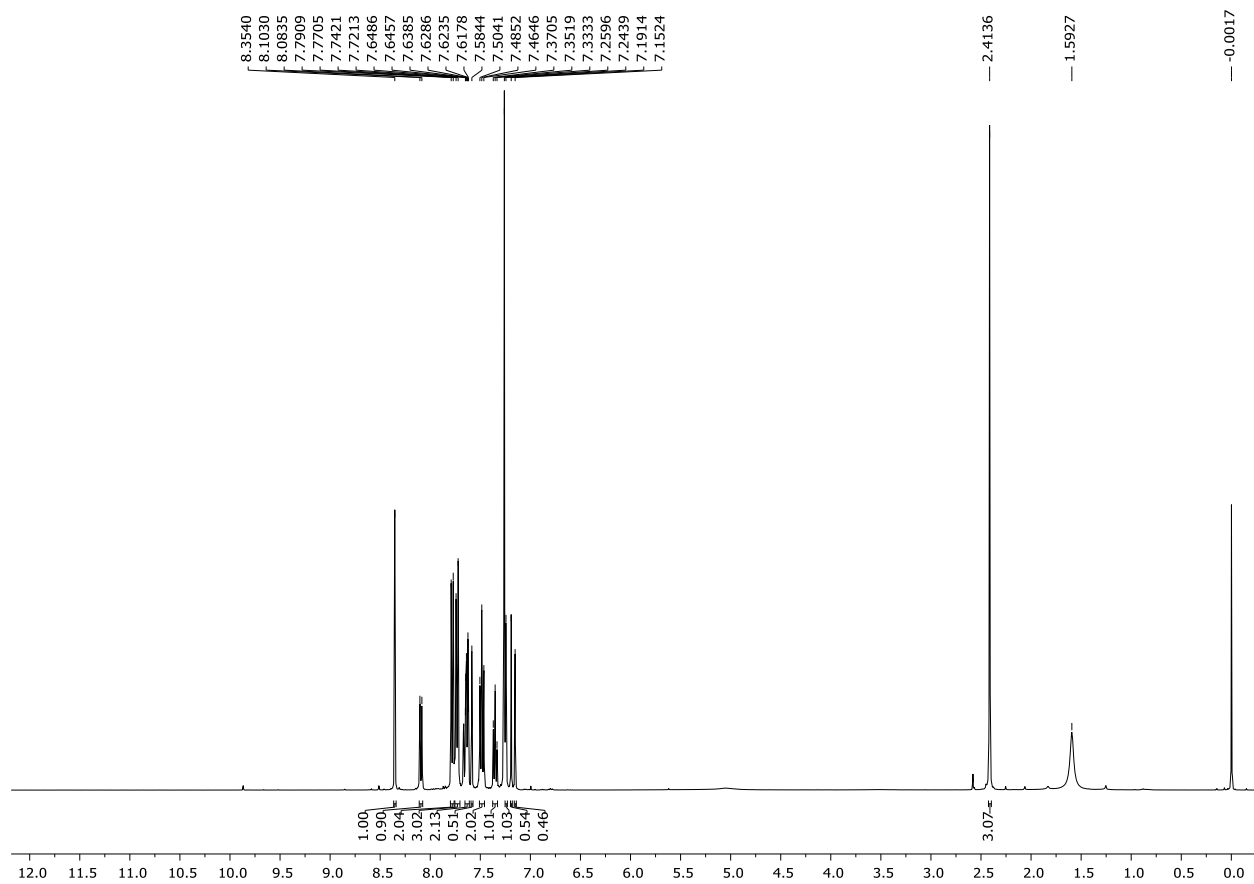


Figure 6. ^1H (400 MHz) NMR spectra of **6ag** in CDCl_3 .

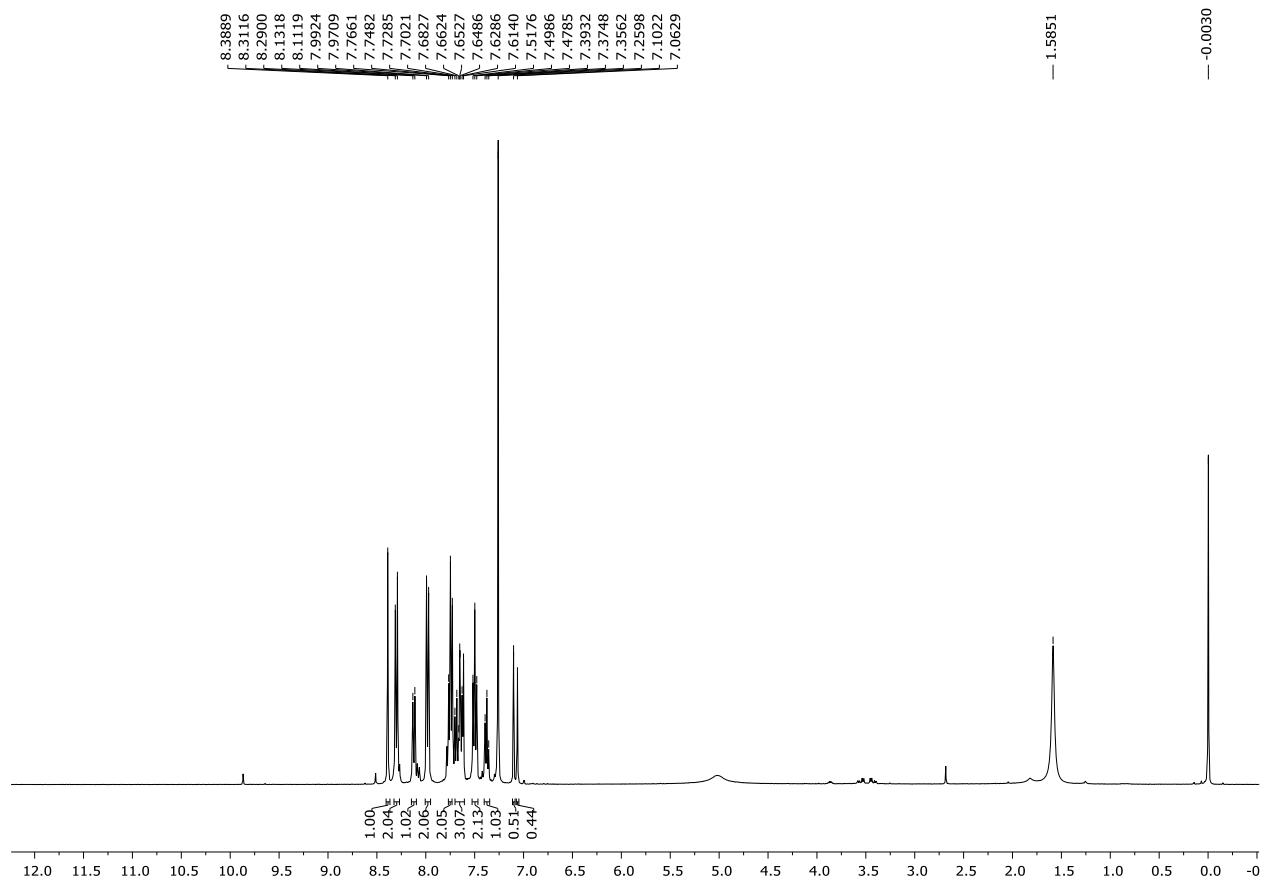


Figure 7. ^1H (400 MHz) NMR spectra of **6ah** in CDCl_3 .

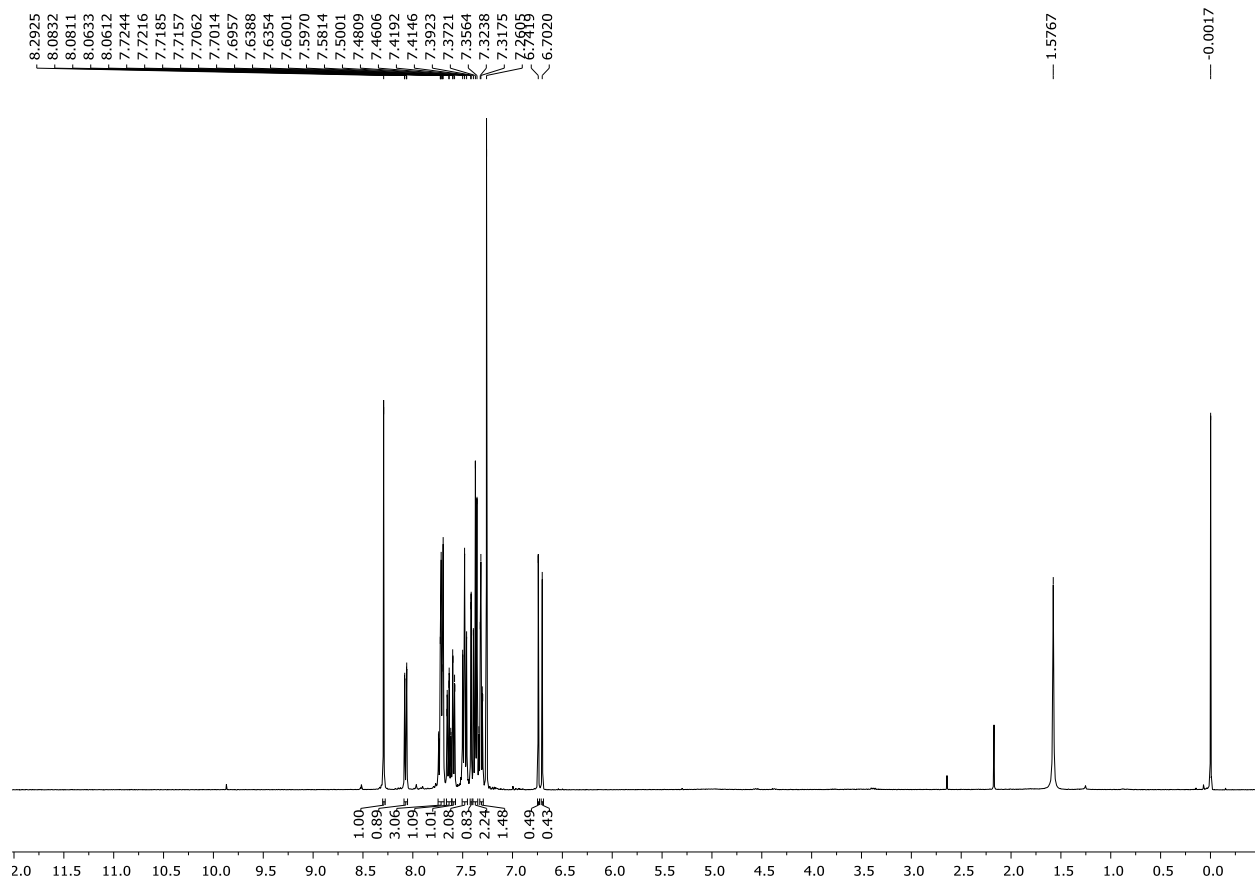
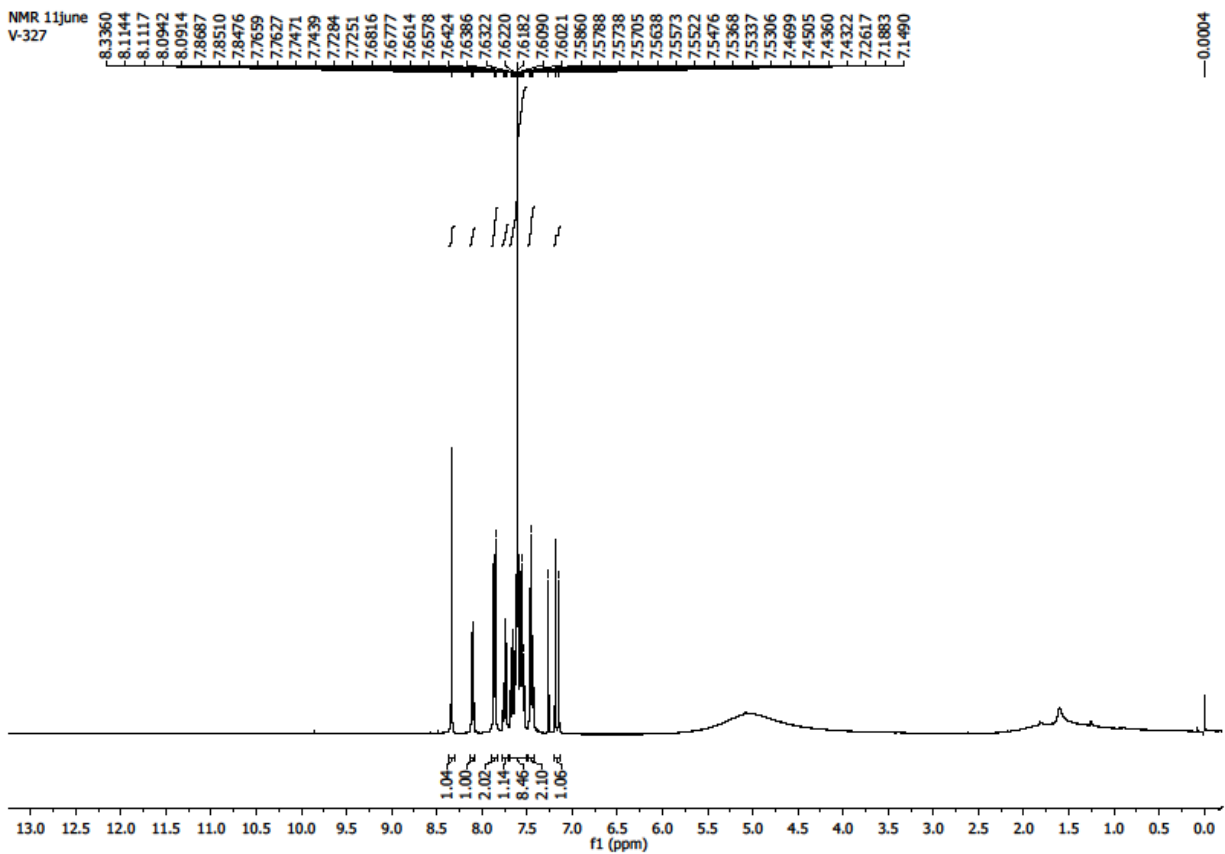


Figure 8. ^1H (400 MHz) NMR spectra of **6ai** in CDCl_3 .



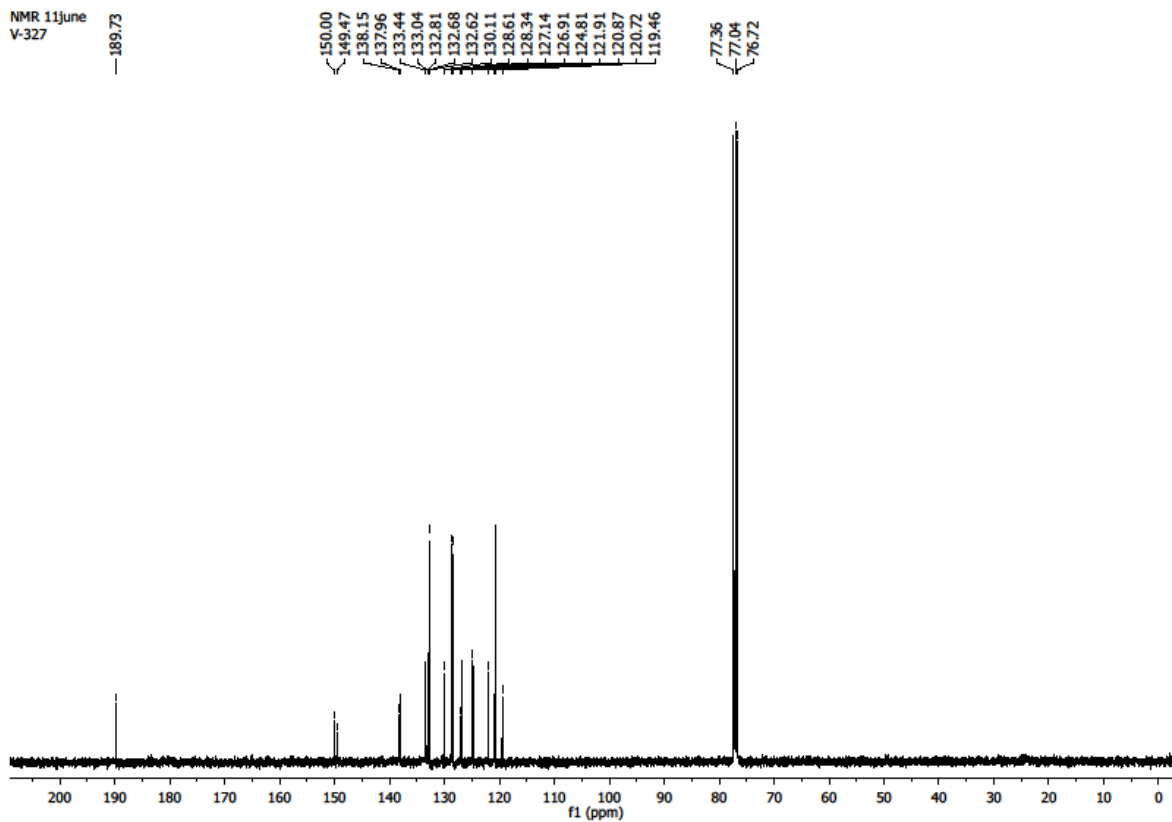
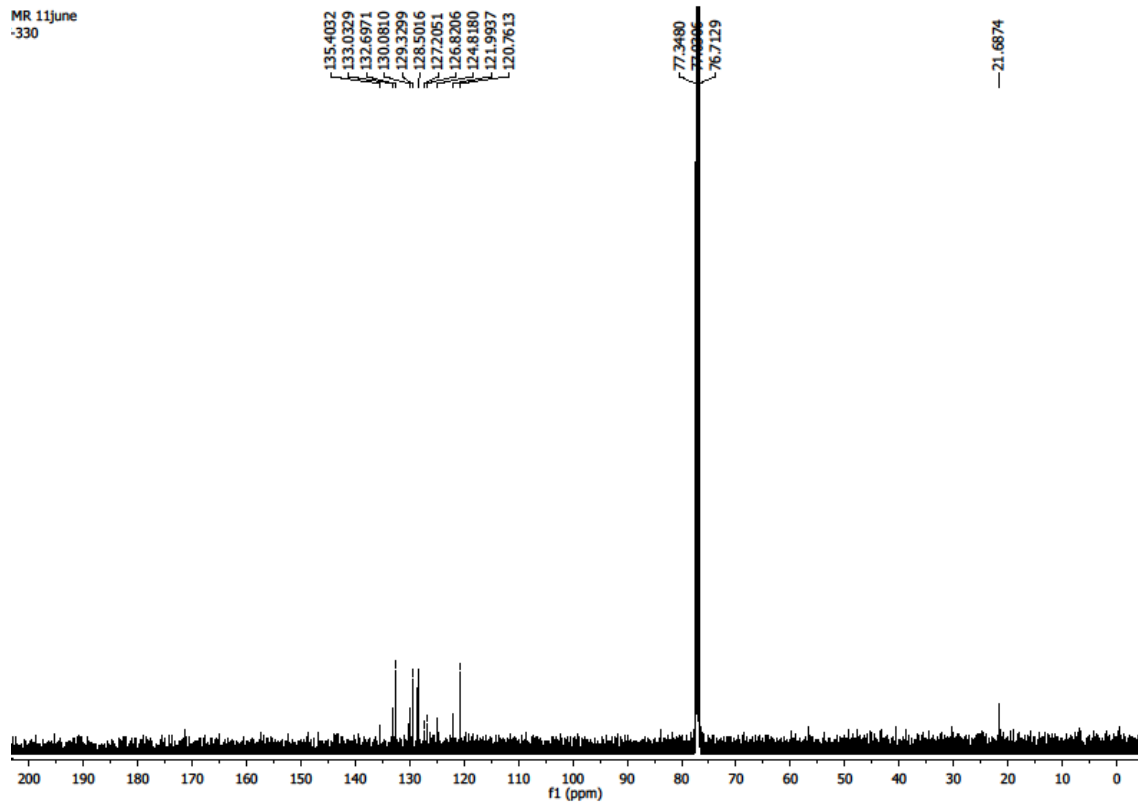
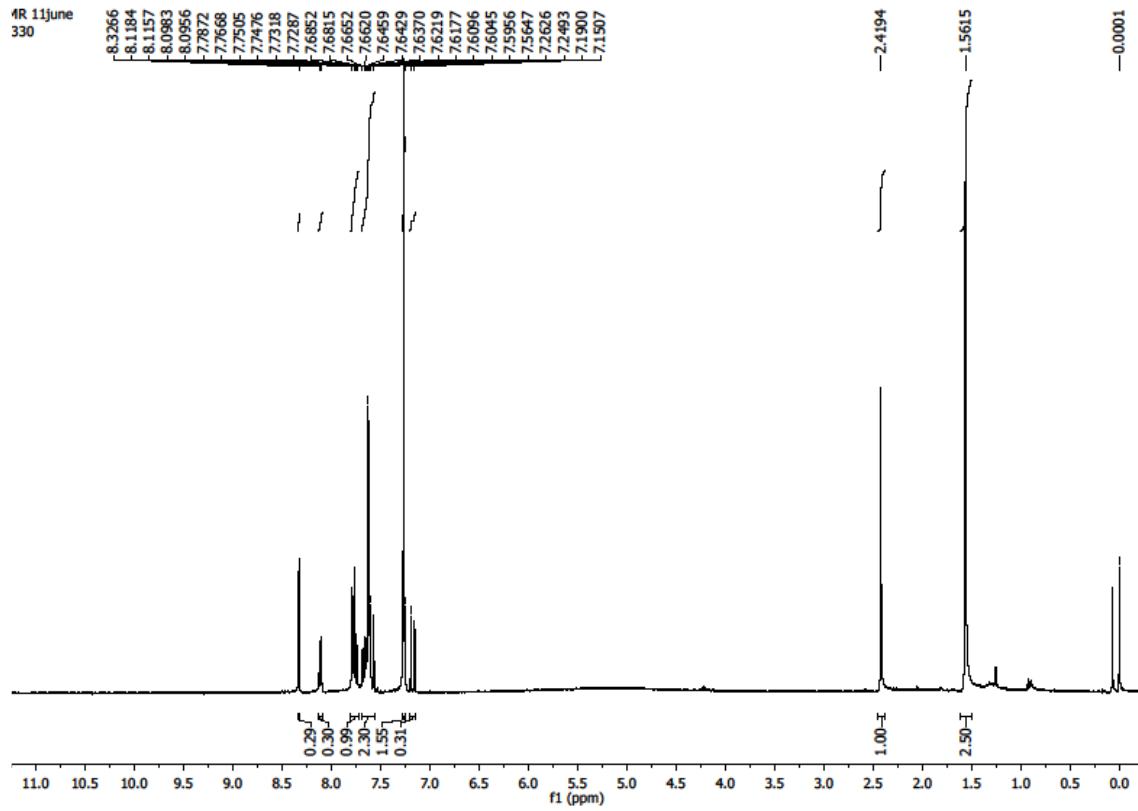


Figure 9. ^1H (400 MHz), ^{13}C (100 MHz) NMR spectra of **6ba** in CDCl_3 .



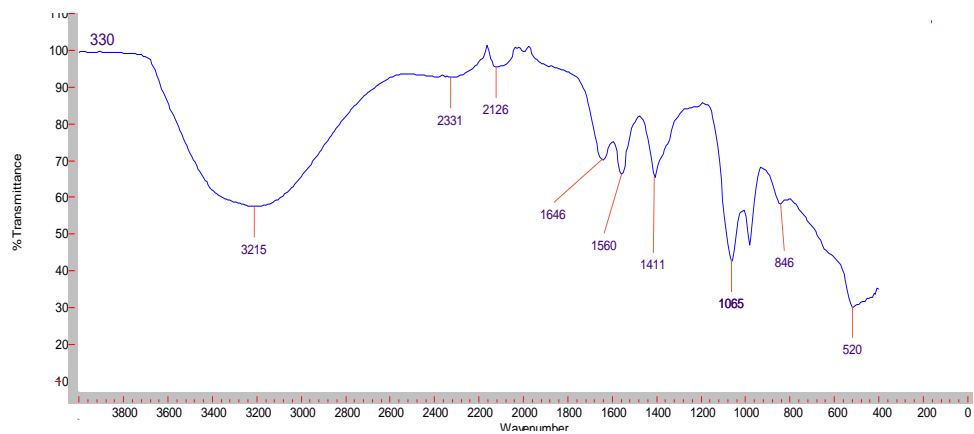
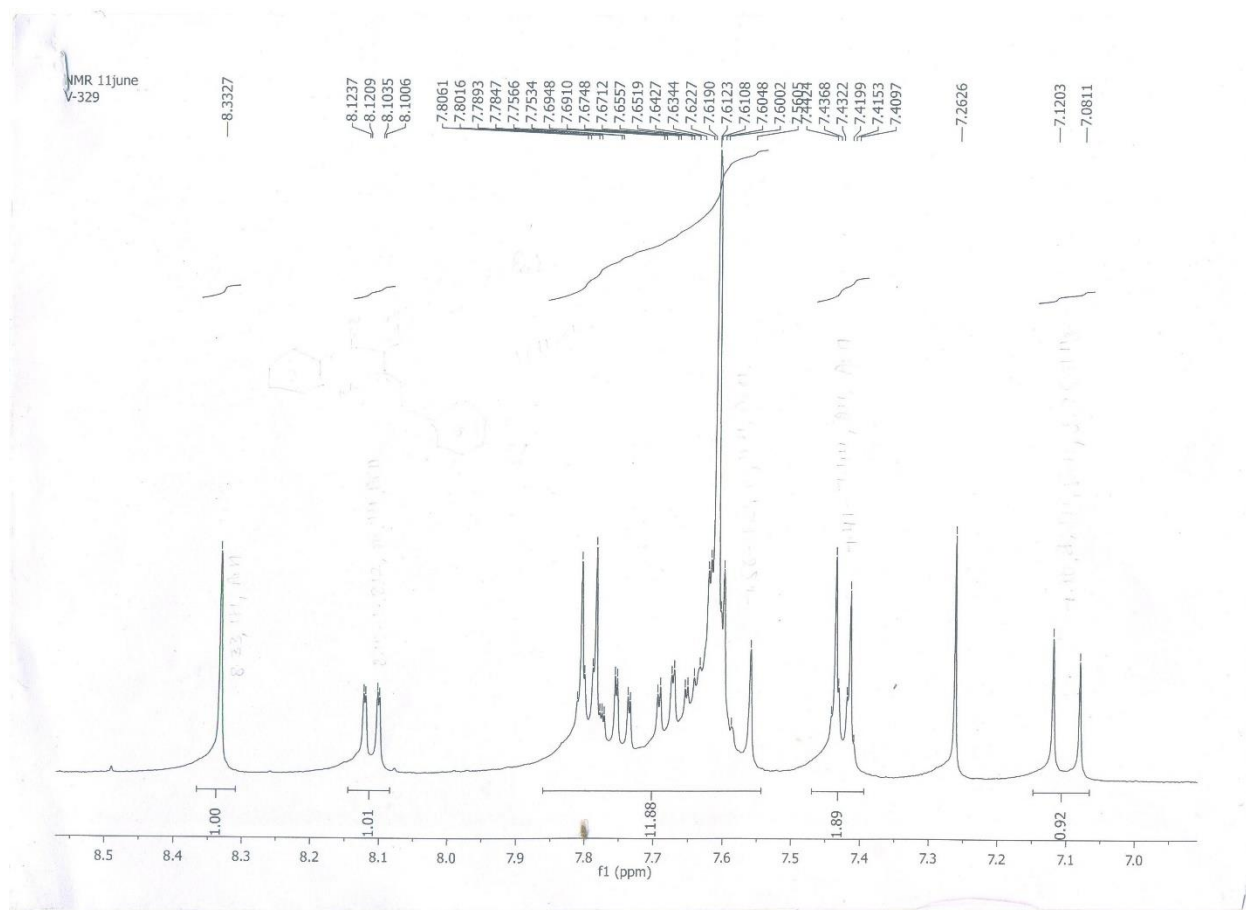


Figure 10. ^1H (400 MHz), ^{13}C (100 MHz) NMR spectra of **6bc** in CDCl_3 and FTIR spectrum of **6bc**.



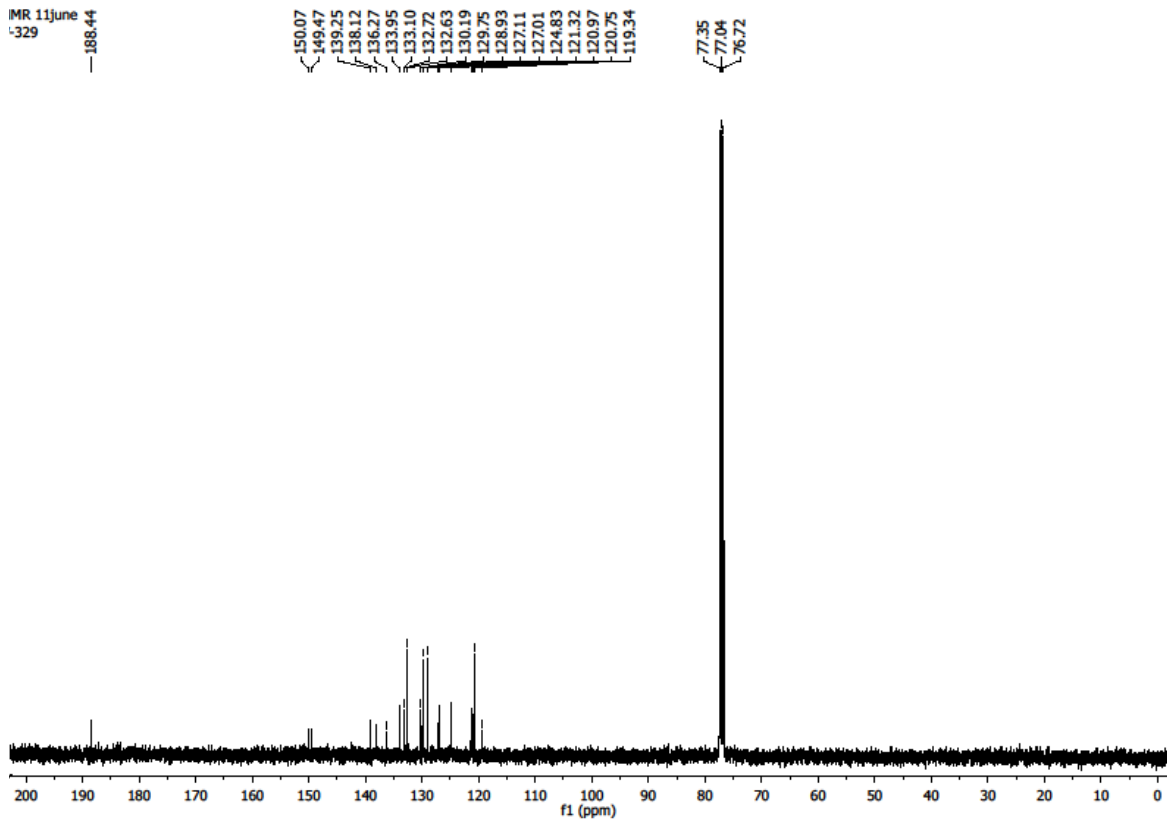
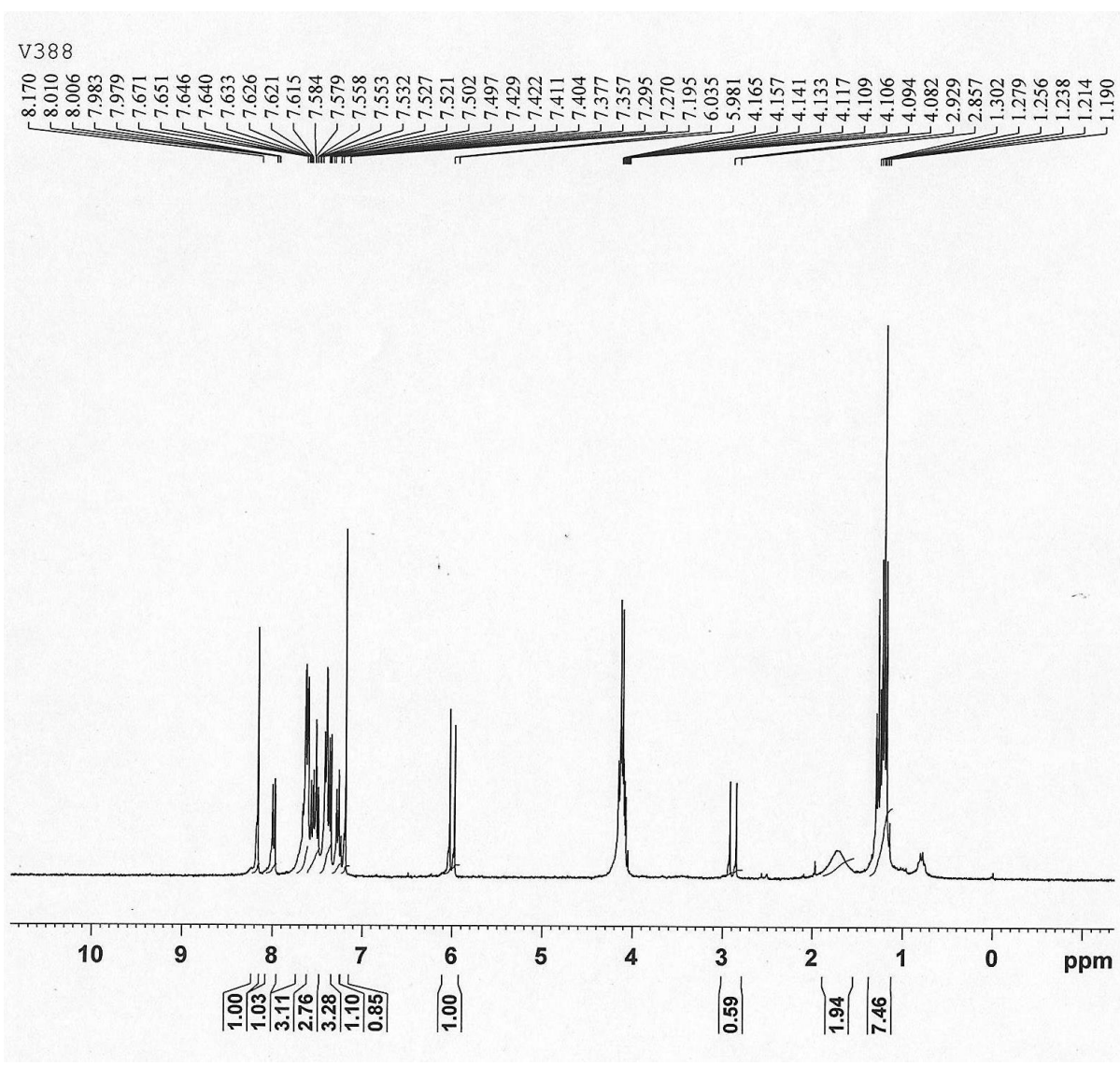


Figure 11. ^1H (400 MHz), ^{13}C (100 MHz) NMR spectra of **6bd** in CDCl_3 .



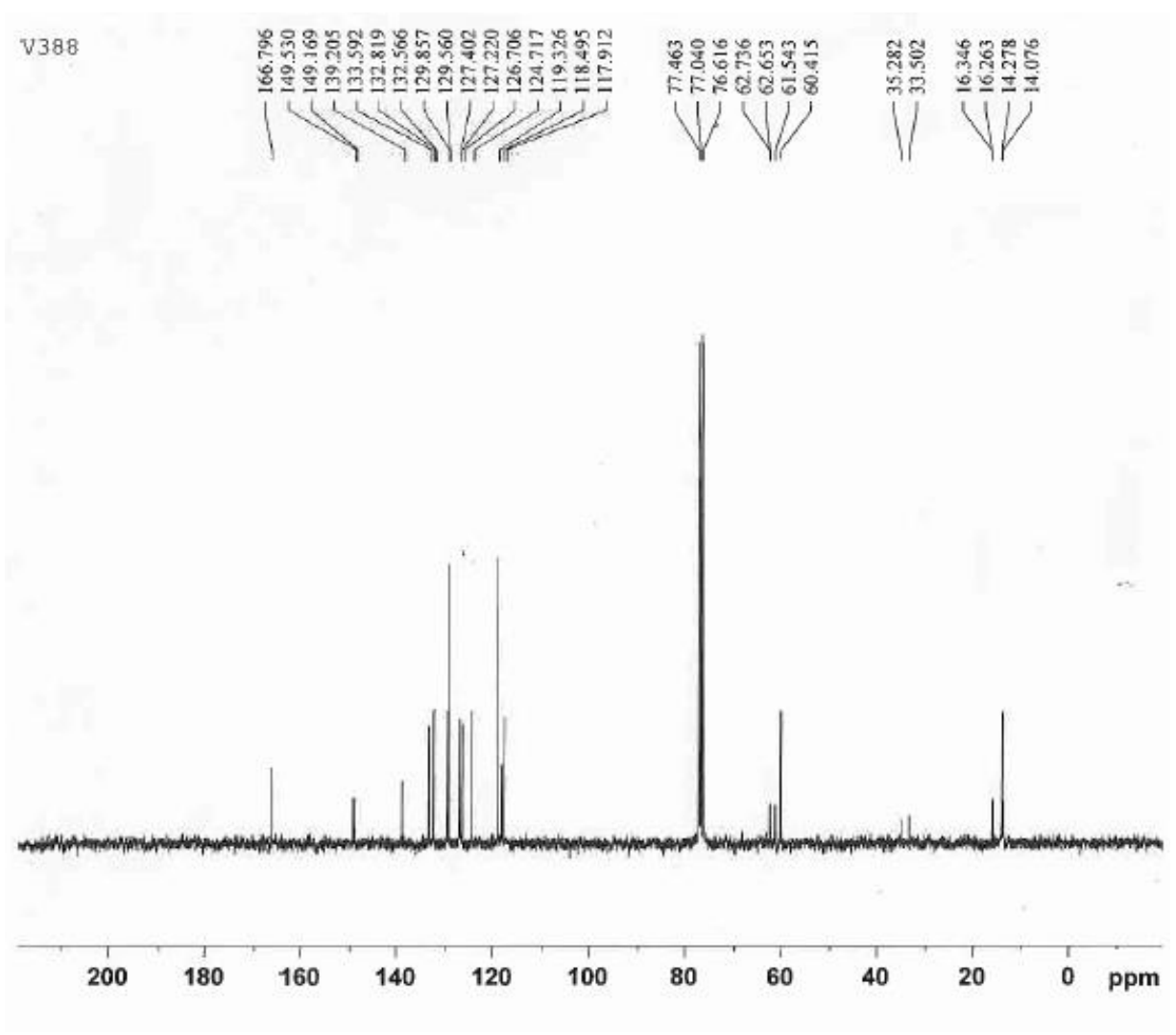


Figure 12. ^1H (300 MHz), ^{13}C (100 MHz) NMR spectra of **11** in CDCl_3 .

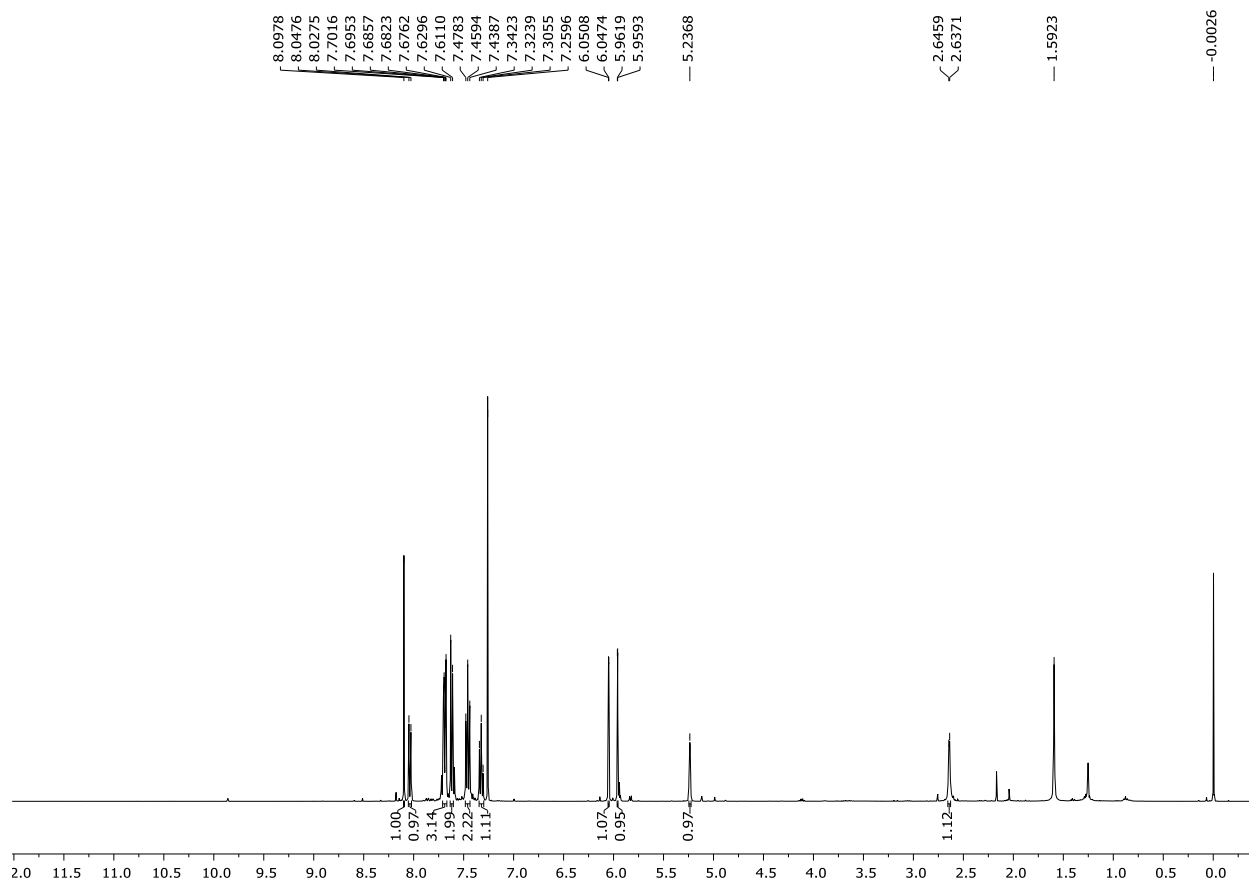


Figure 13. ^1H (400 MHz) NMR spectra of **14aa** in CDCl_3 .

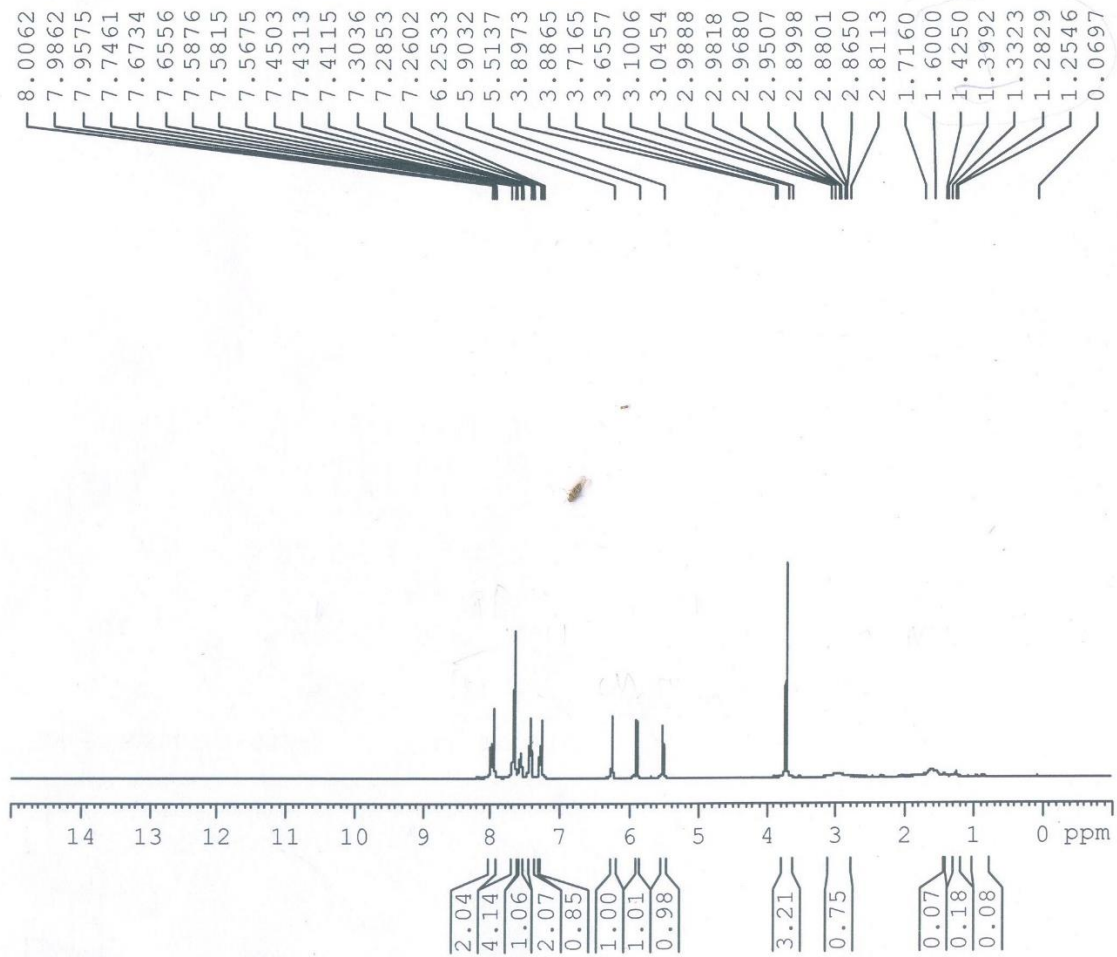


Figure 14. ^1H (400 MHz) NMR spectra of **14ab** in CDCl_3 .

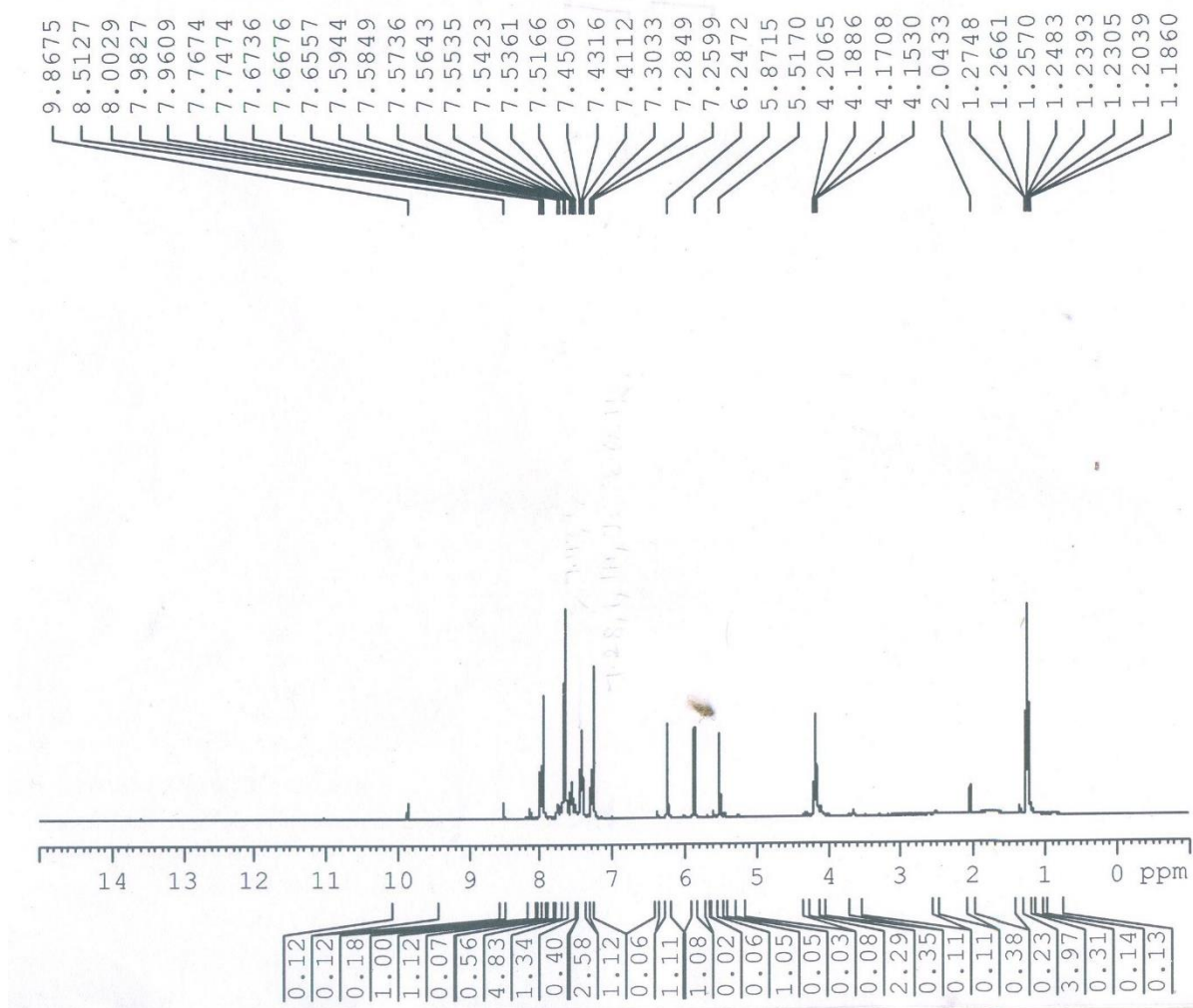


Figure 15. ^1H (400 MHz) NMR spectra of **14ac** in CDCl_3 .

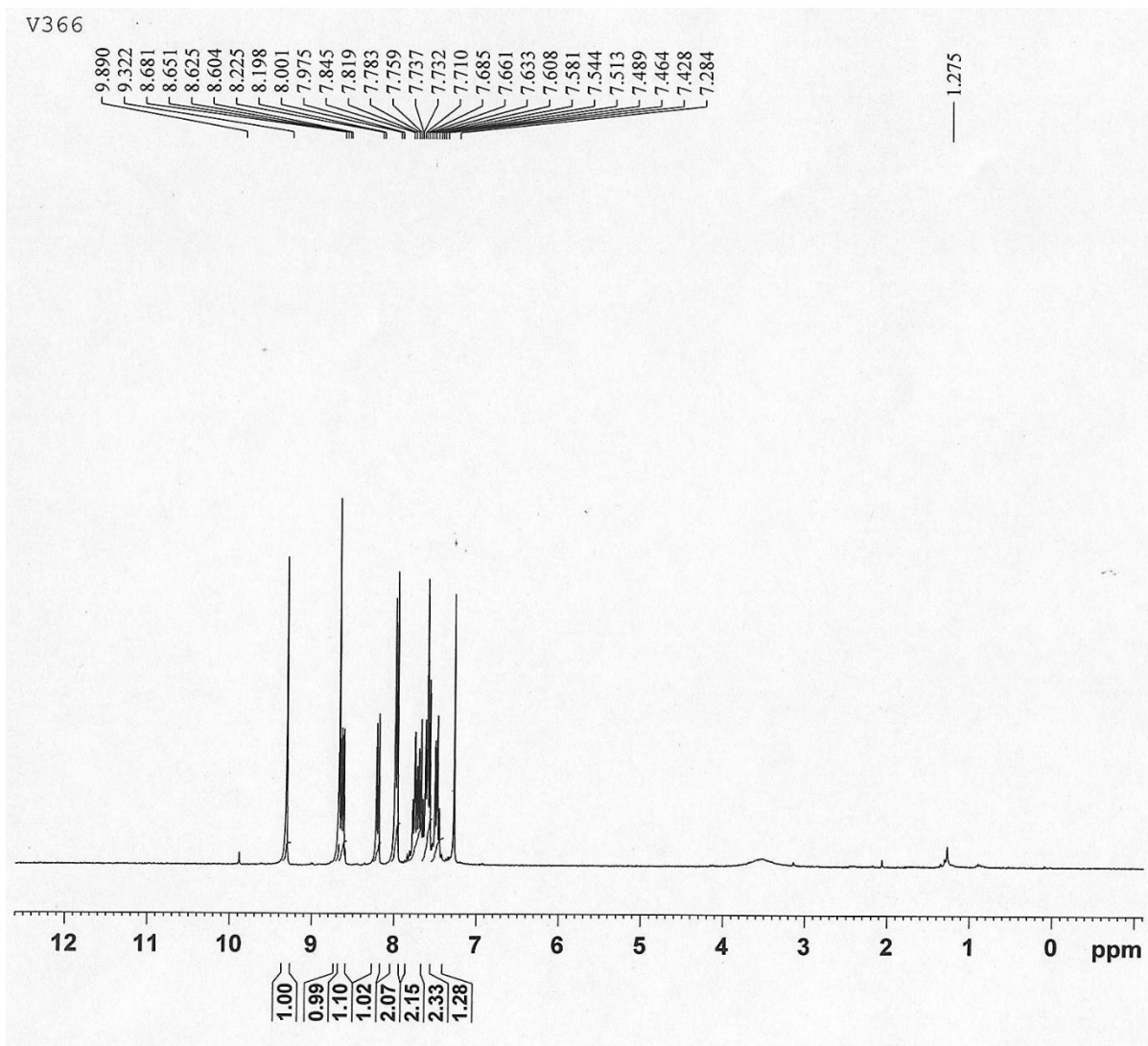


Figure 16. ^1H (400 MHz) NMR spectra of **9a** in CDCl_3 .

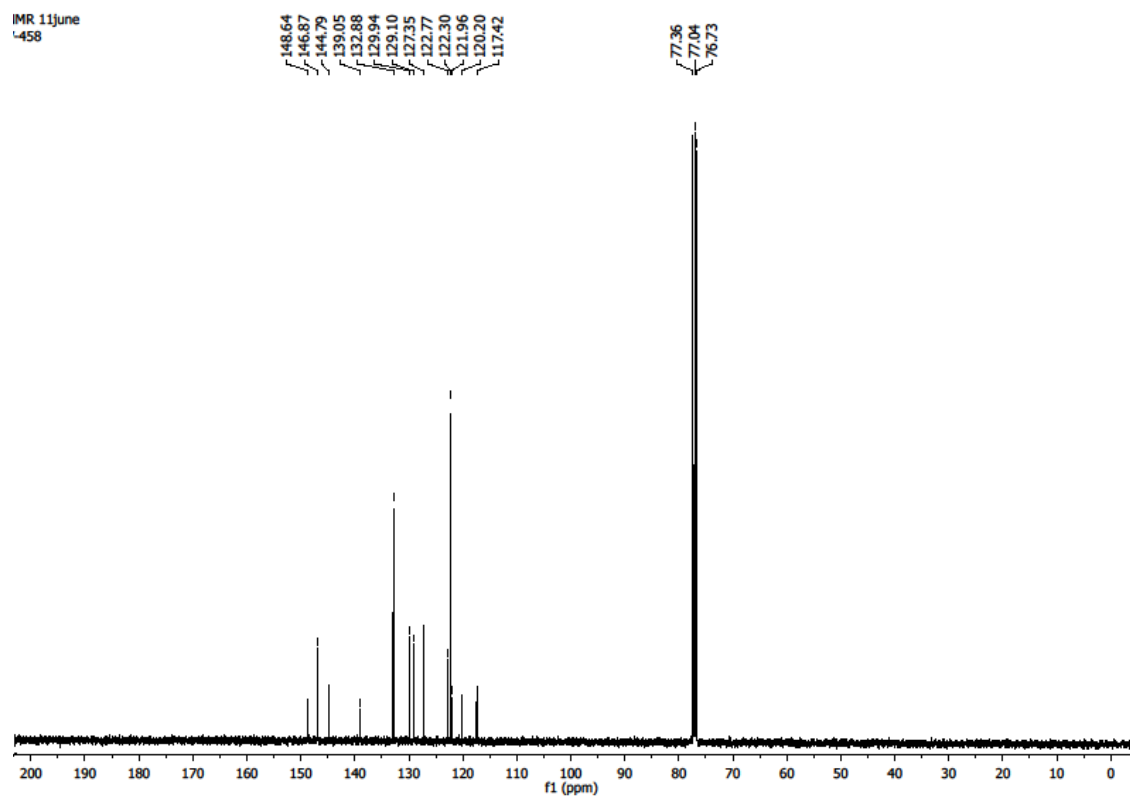
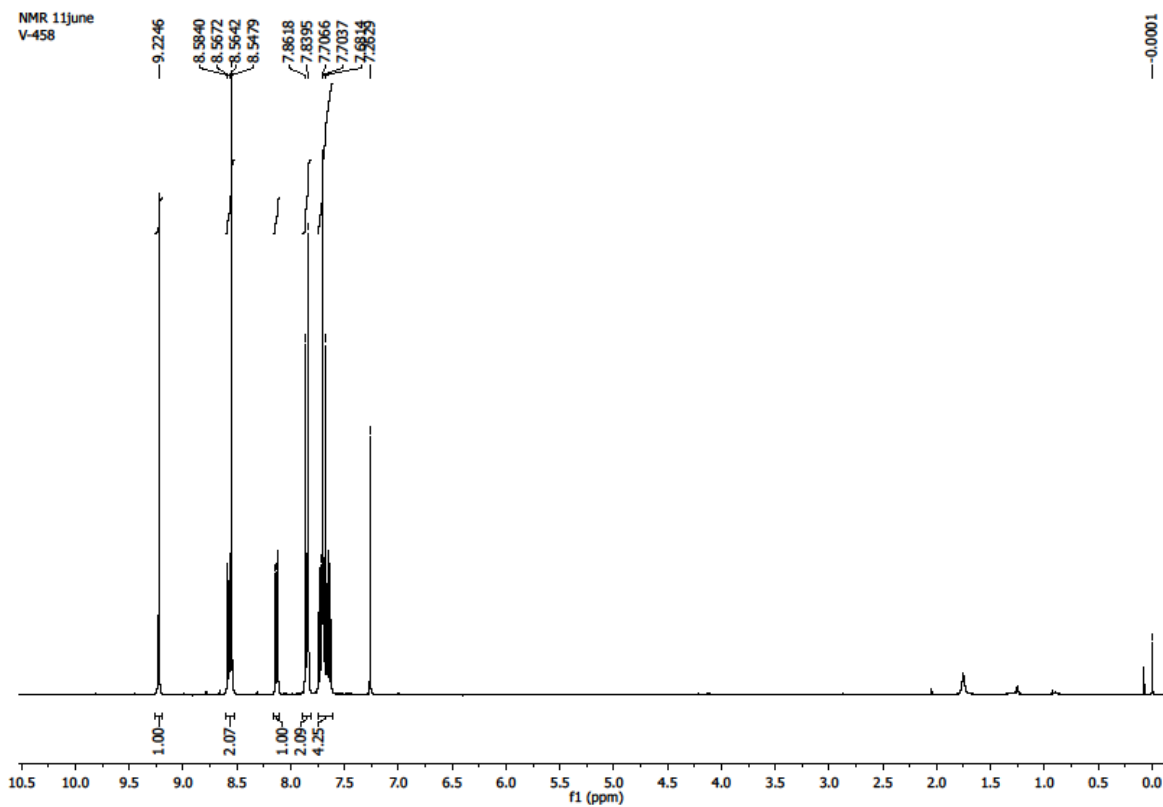


Figure 17. ^1H (400 MHz), ^{13}C (100 MHz) NMR spectra of **9b** in CDCl_3 .