

Supporting information

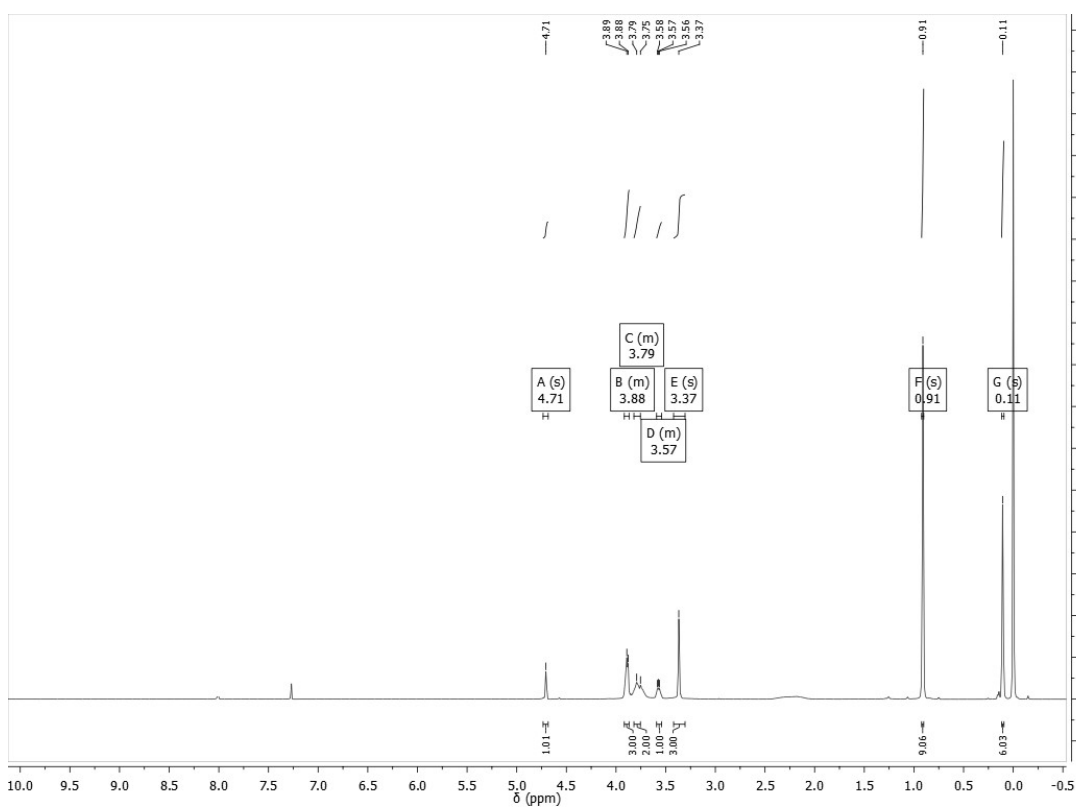


Figure S1. <sup>1</sup>H-NMR spectra of compound **10**

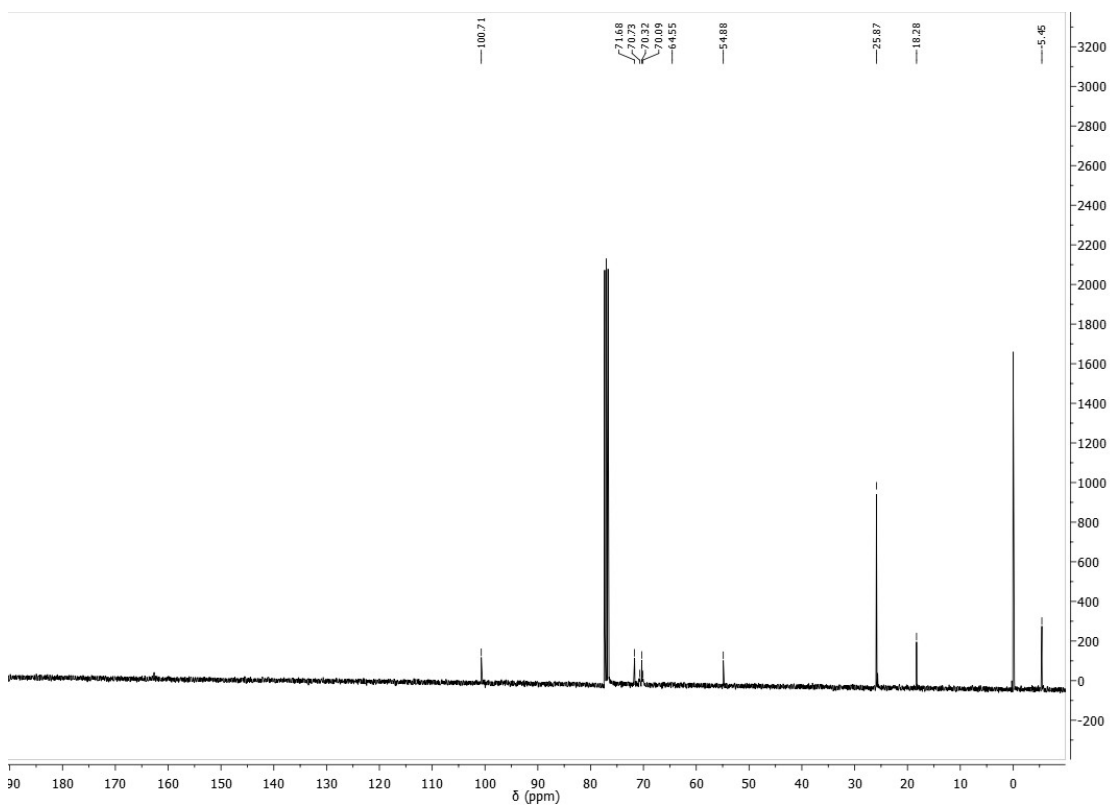


Figure S2. <sup>13</sup>C-NMR spectra of compound **10**

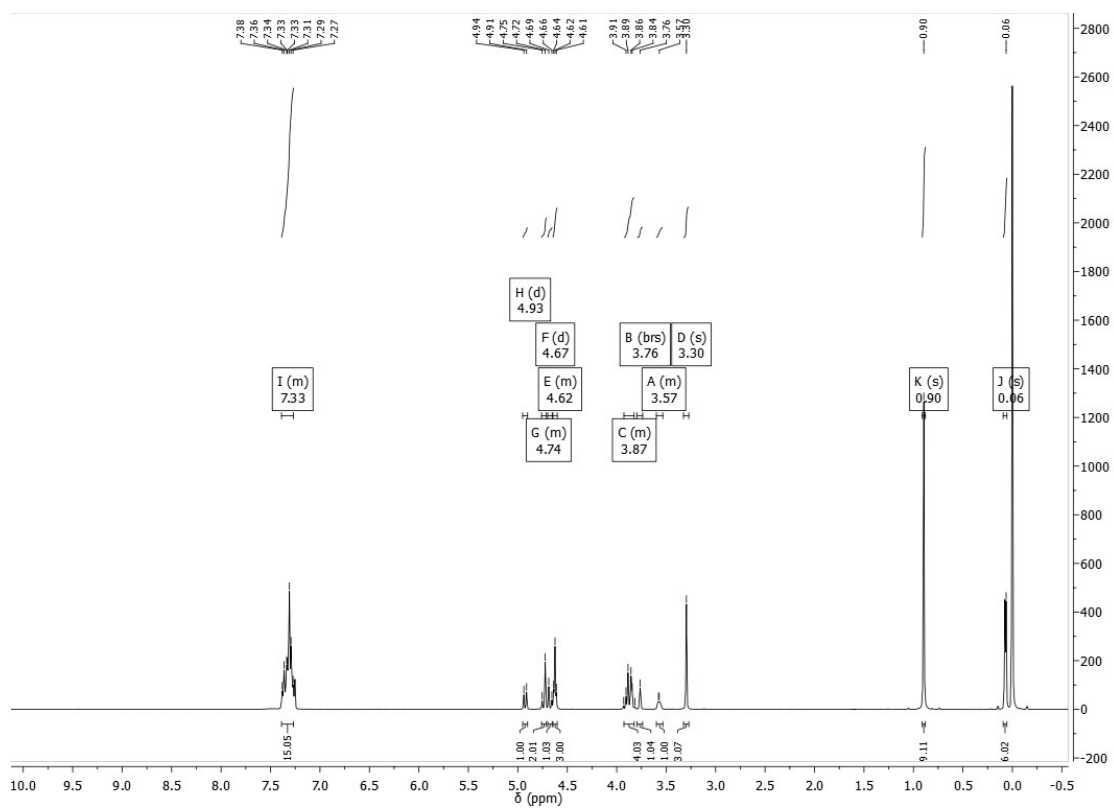


Figure S3.  $^1\text{H}$ -NMR spectra of compound **11**

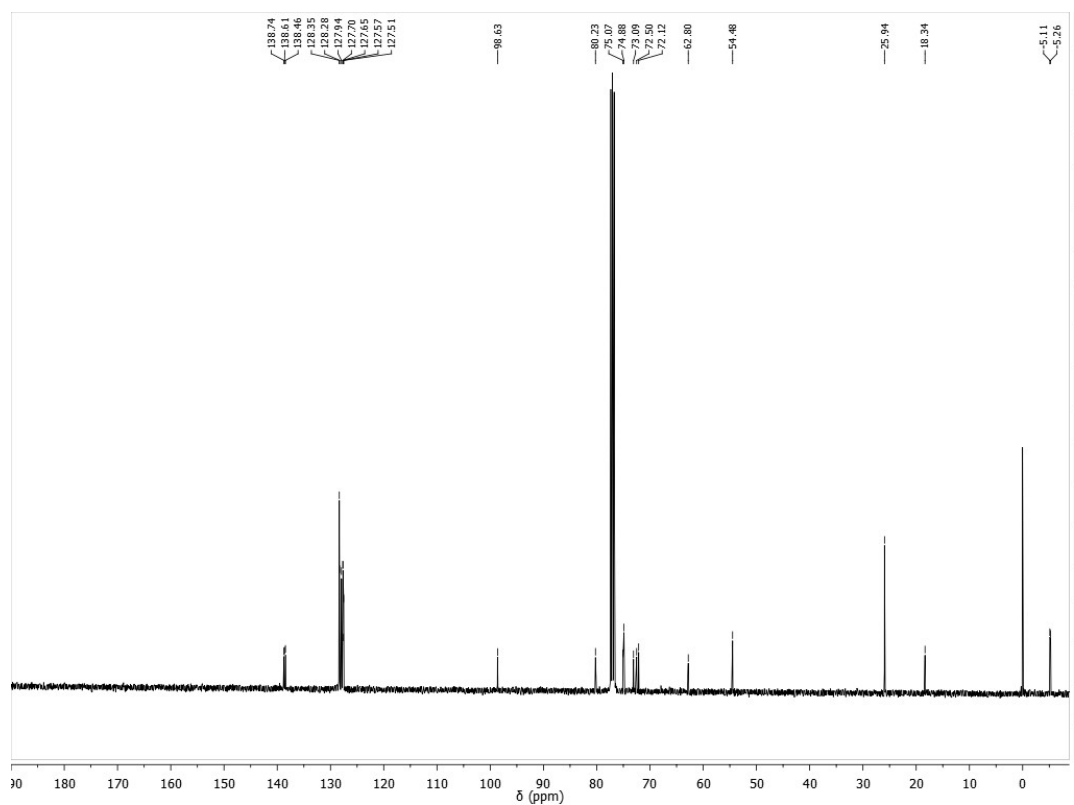


Figure S4.  $^{13}\text{C}$ -NMR spectra of compound **11**

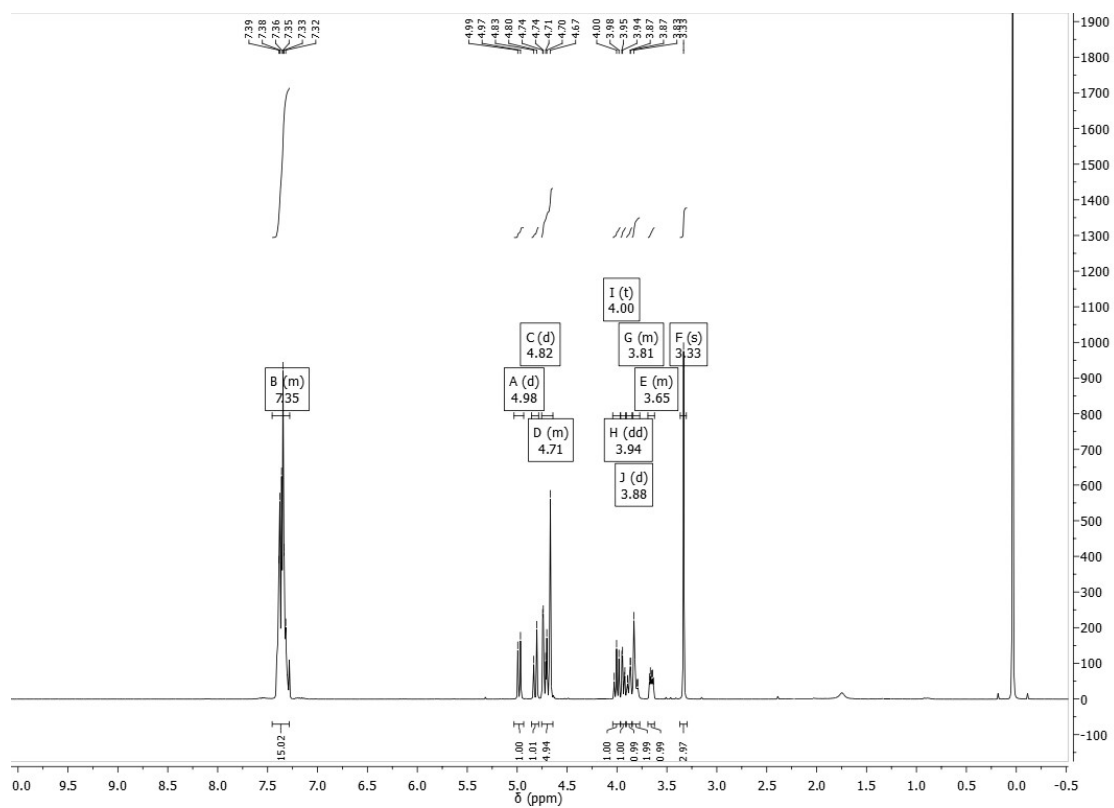


Figure S5.  $^1\text{H}$ -NMR spectra of compound **12**

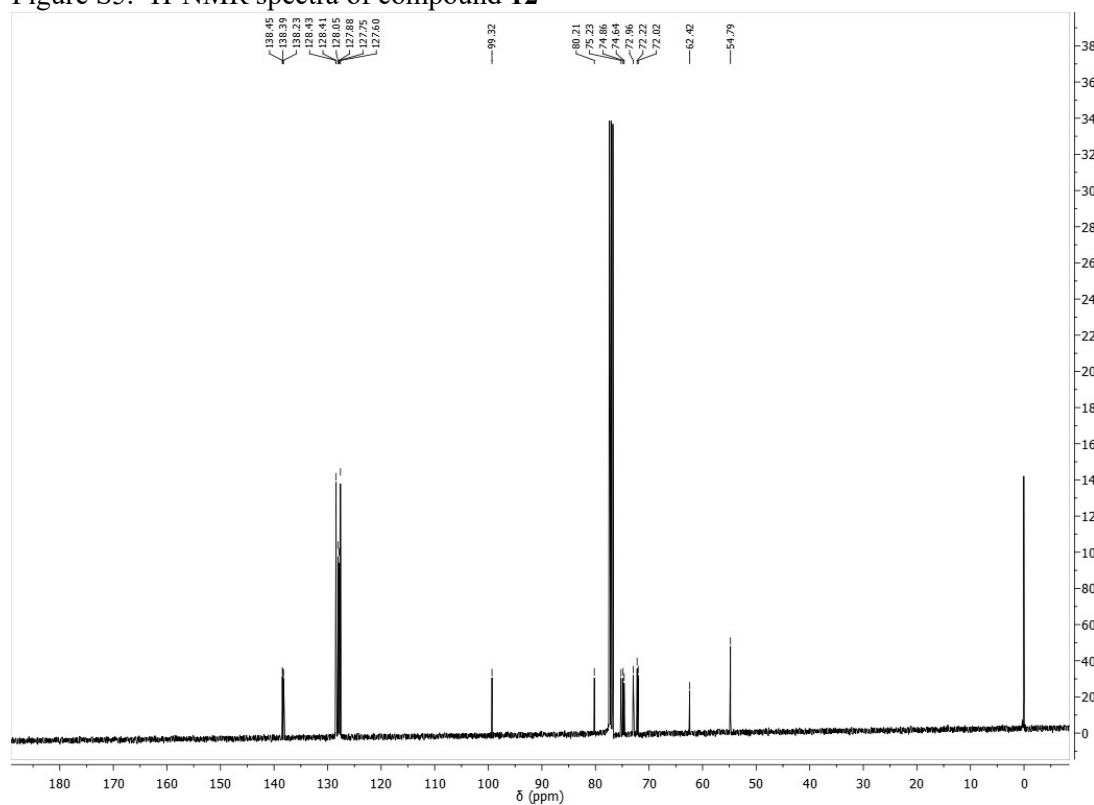


Figure S6.  $^{13}\text{C}$ -NMR spectra of compound **12**

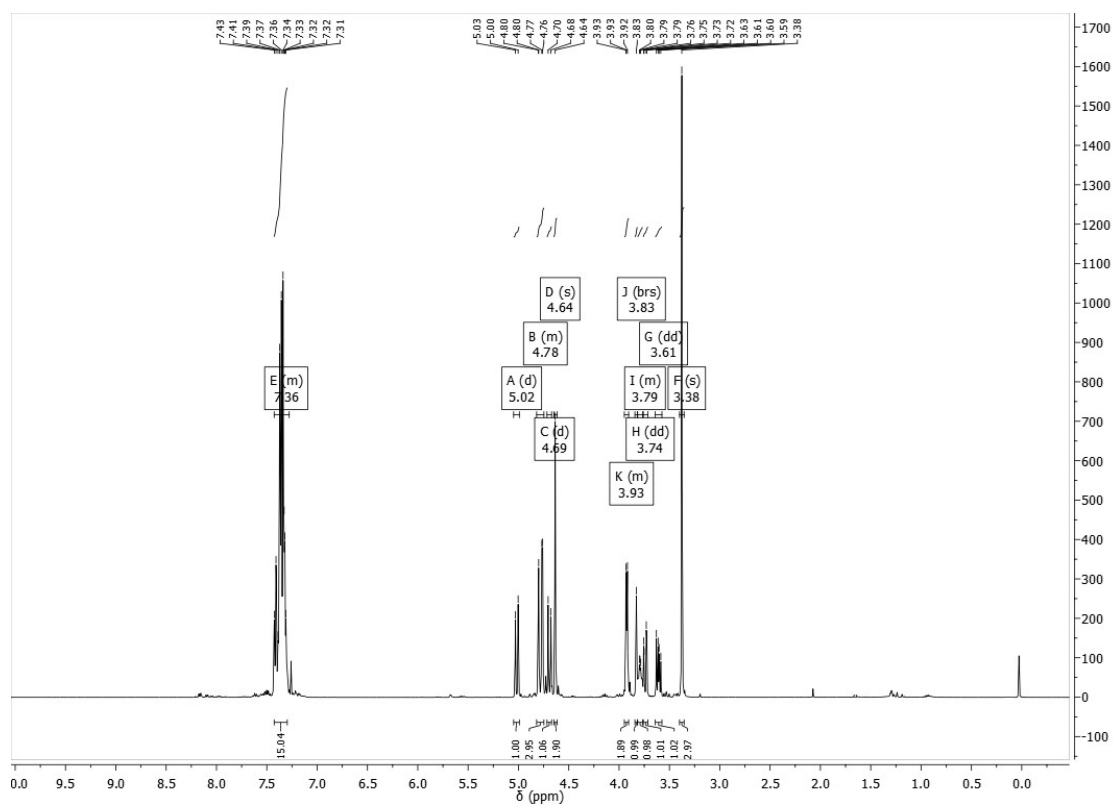


Figure S7.  $^1\text{H}$ -NMR spectra of compound **13**

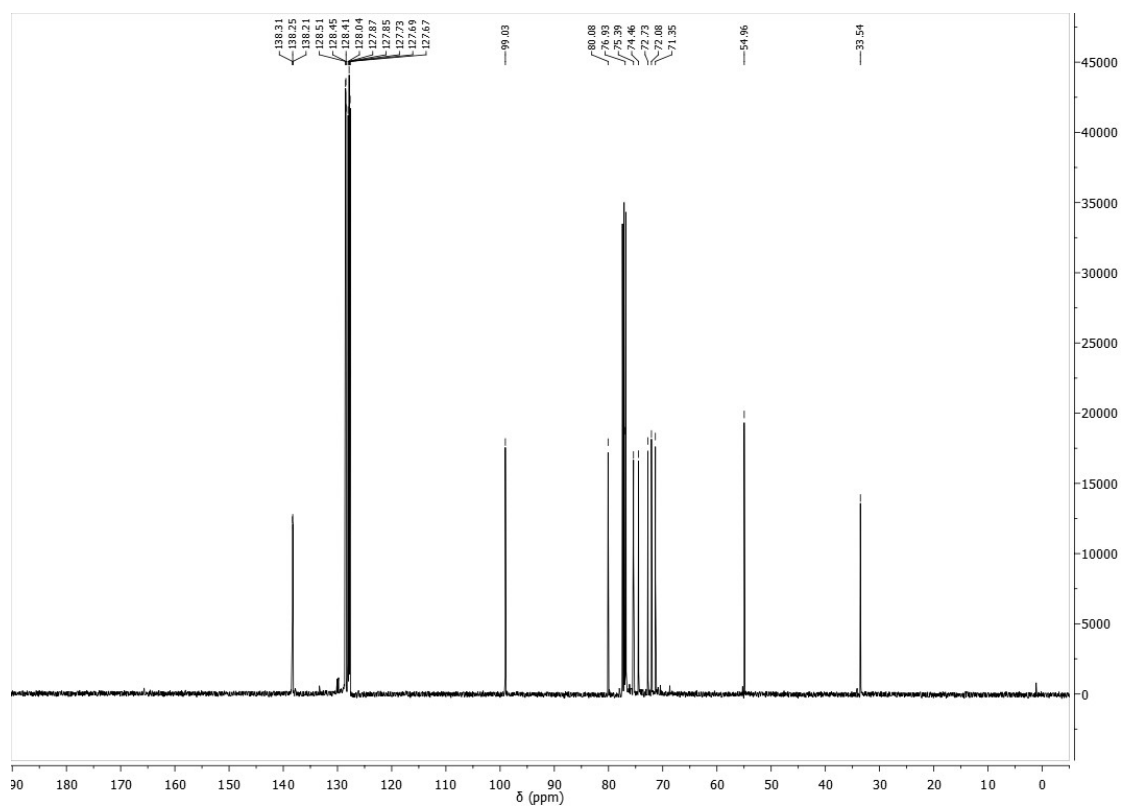


Figure S8.  $^{13}\text{C}$ -NMR spectra of compound **13**

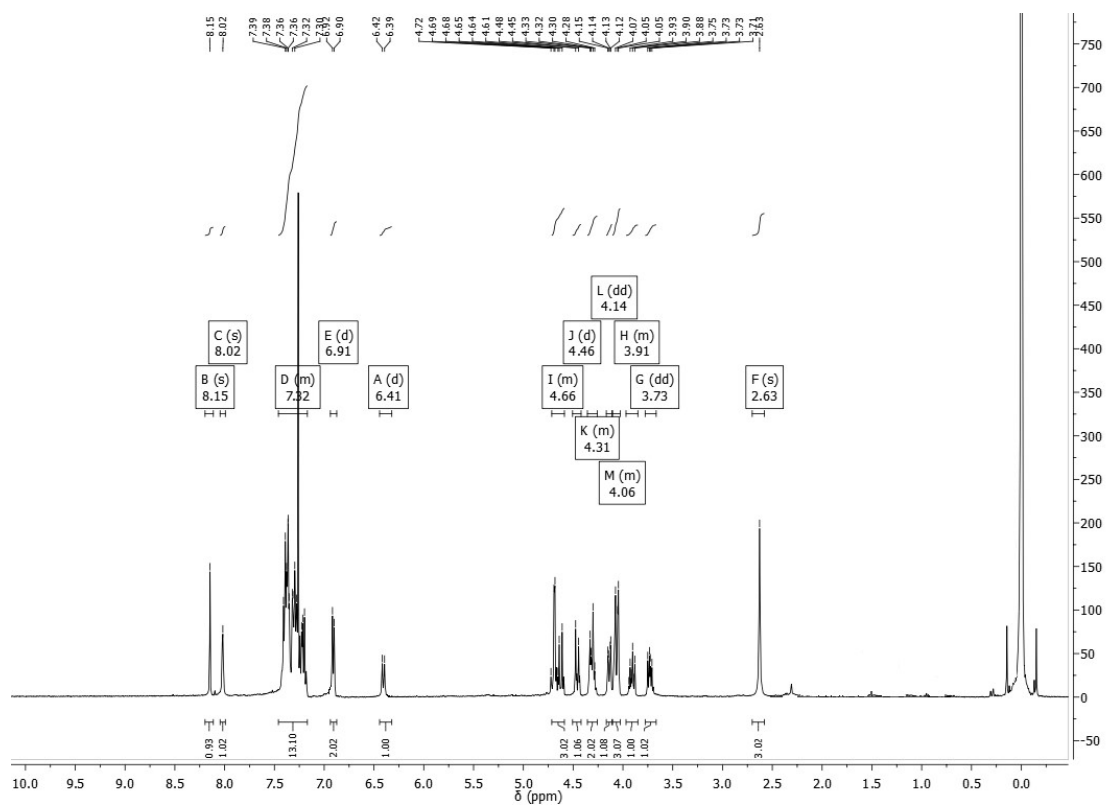


Figure S9.  $^1\text{H}$ -NMR spectra of compound **14**

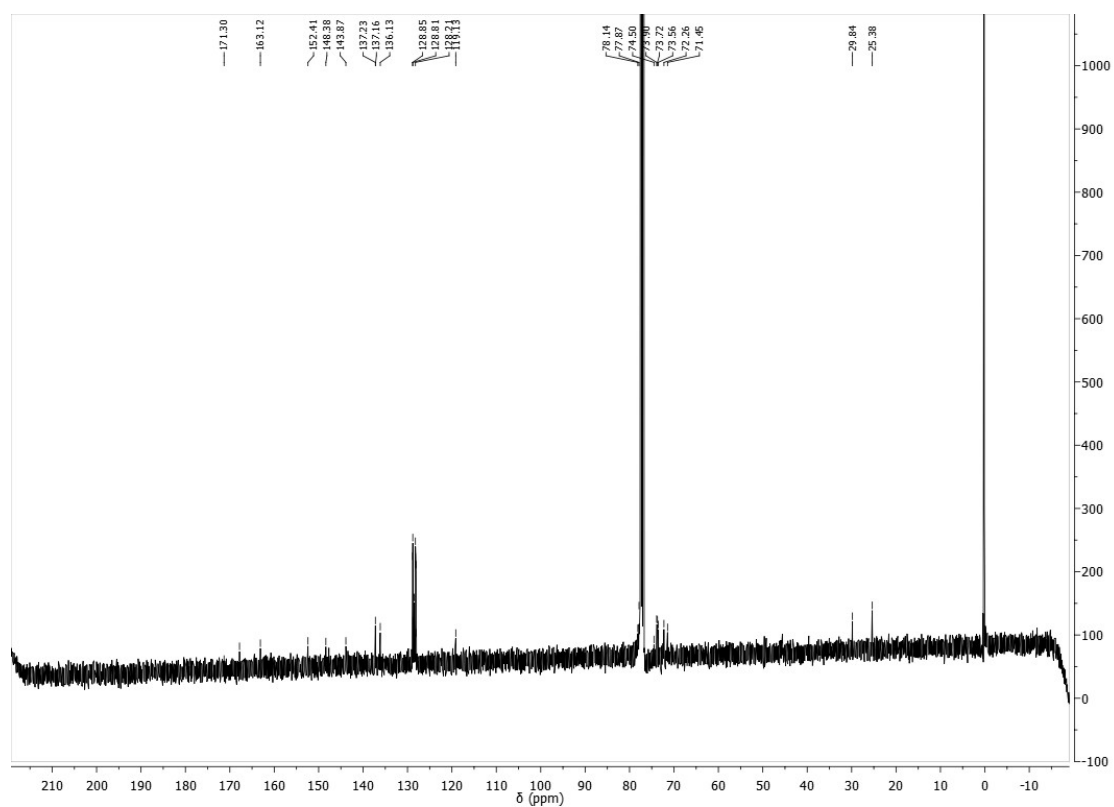


Figure S10.  $^{13}\text{C}$ -NMR spectra of compound **14**

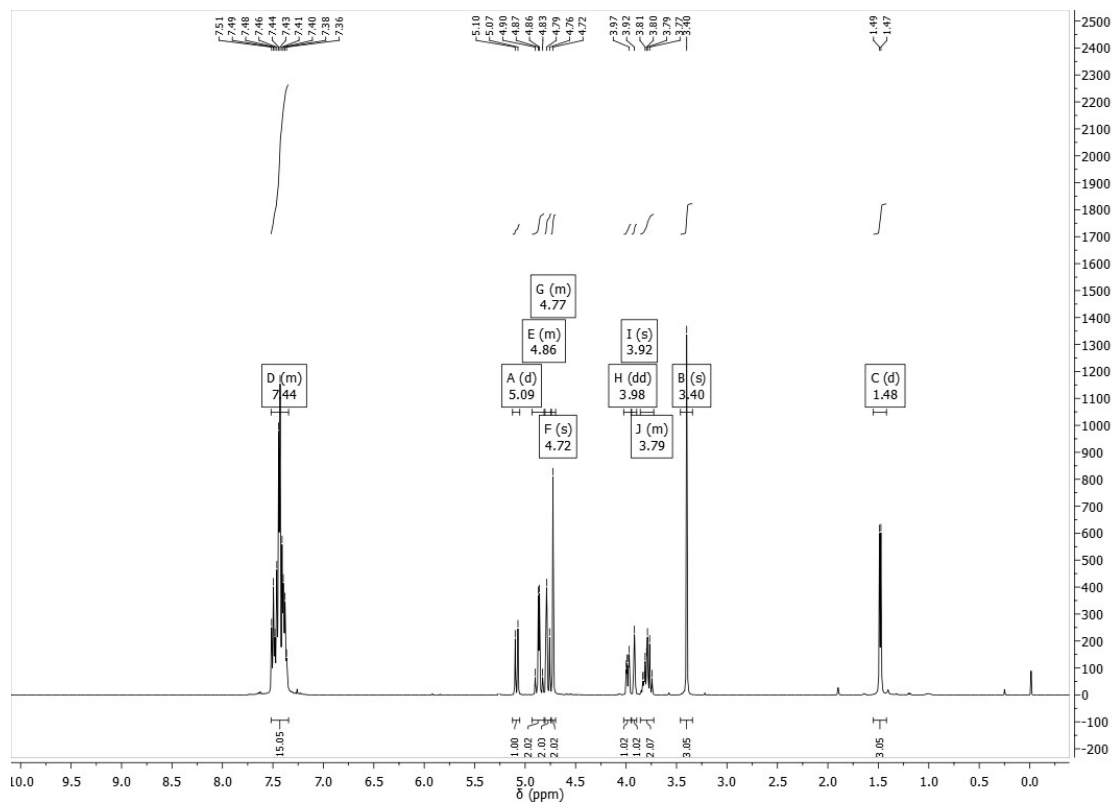


Figure S11. <sup>1</sup>H-NMR spectra of compound **16**

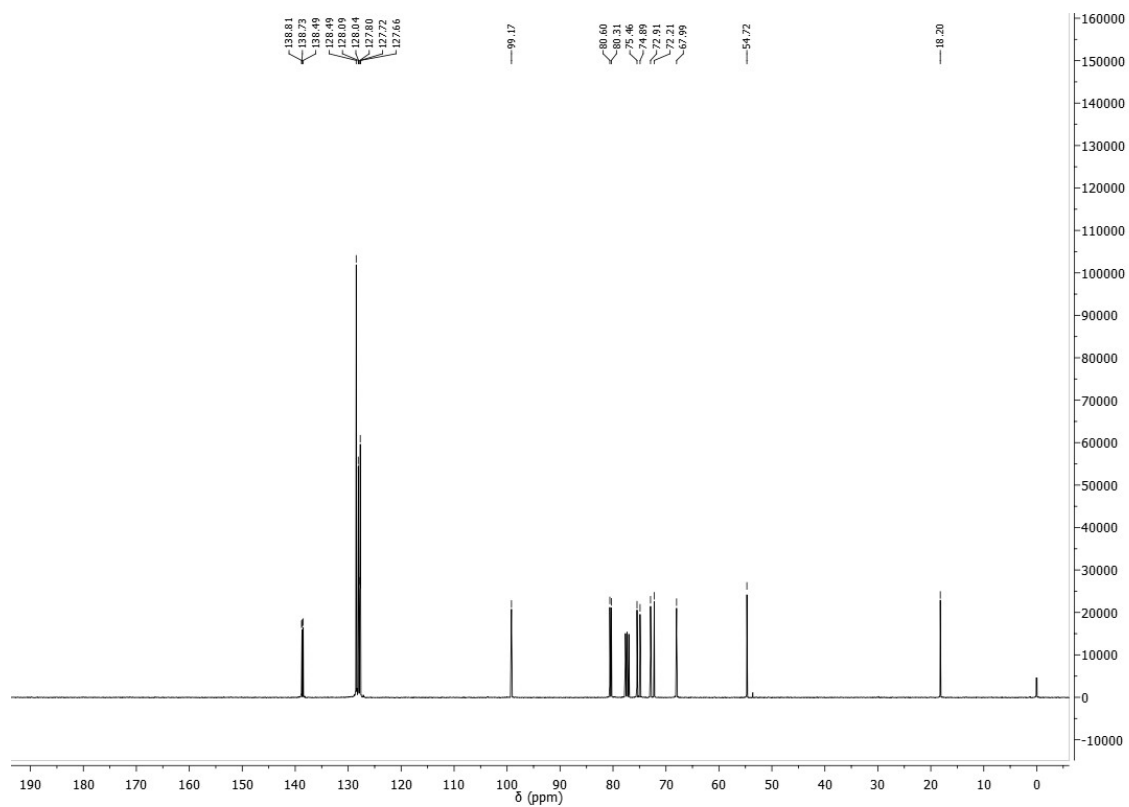


Figure S12. <sup>13</sup>C-NMR spectra of compound **16**

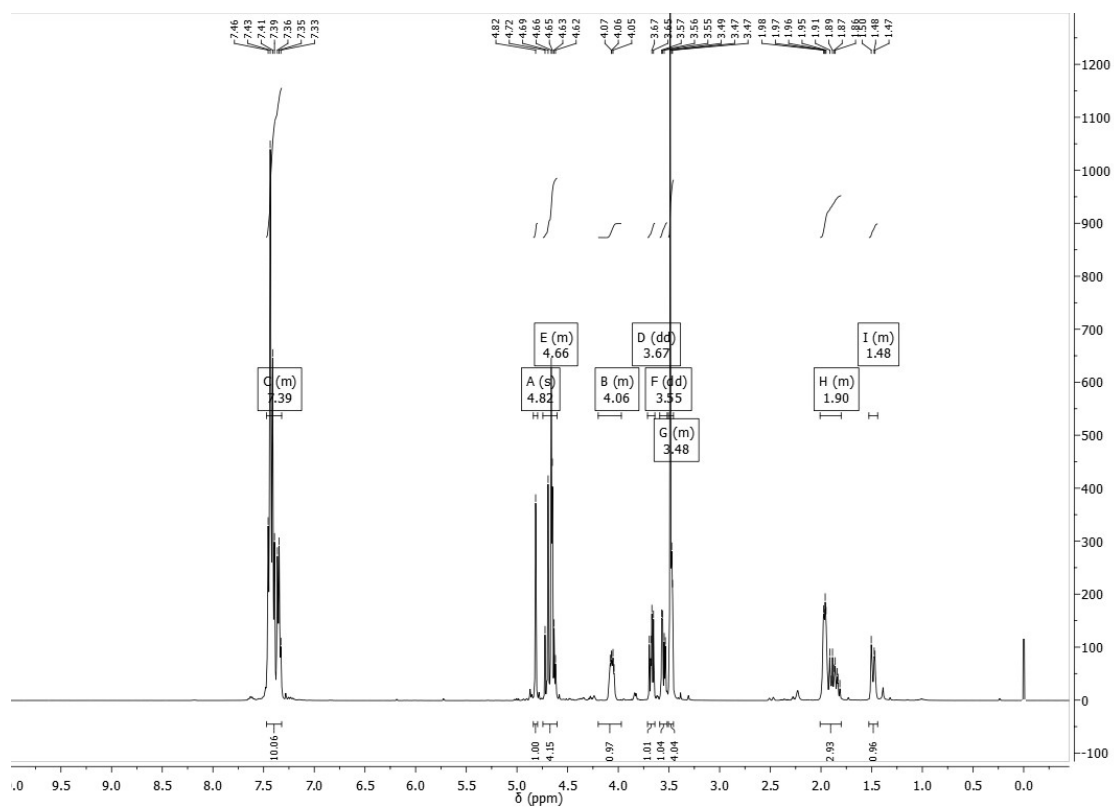


Figure S13.  $^1\text{H-NMR}$  spectra of compound **17**

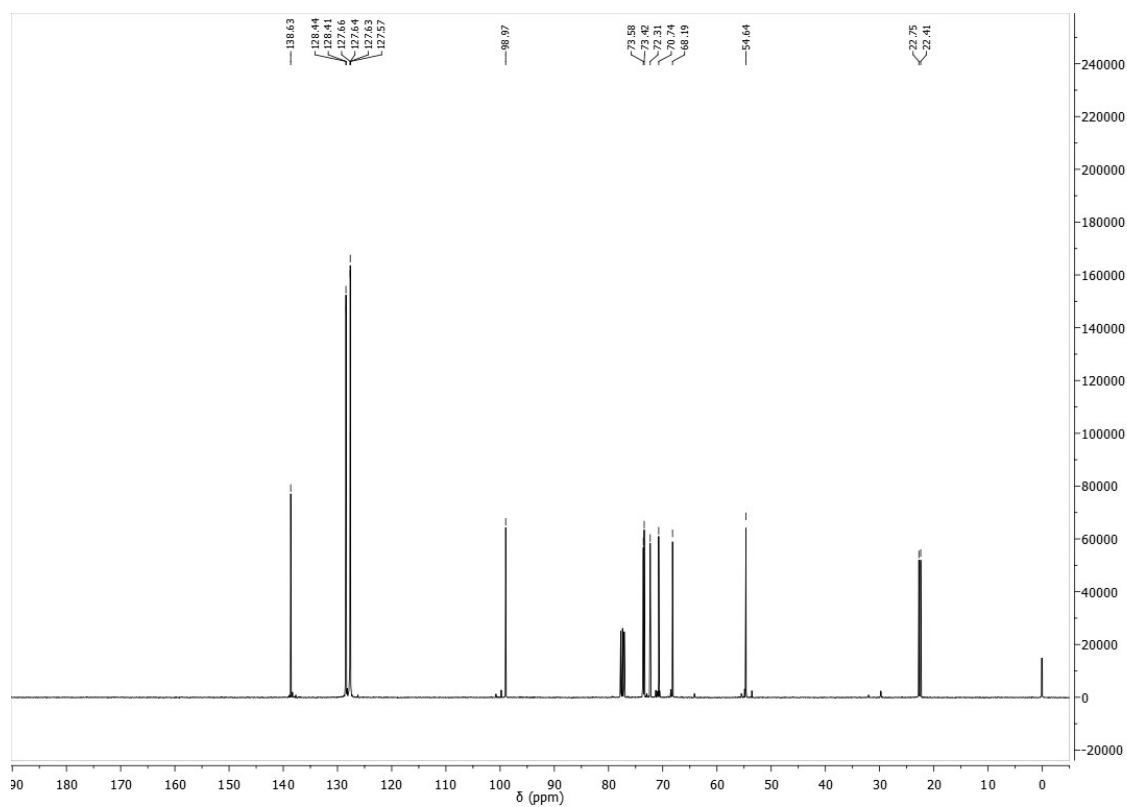


Figure S14.  $^{13}\text{C-NMR}$  spectra of compound **17**

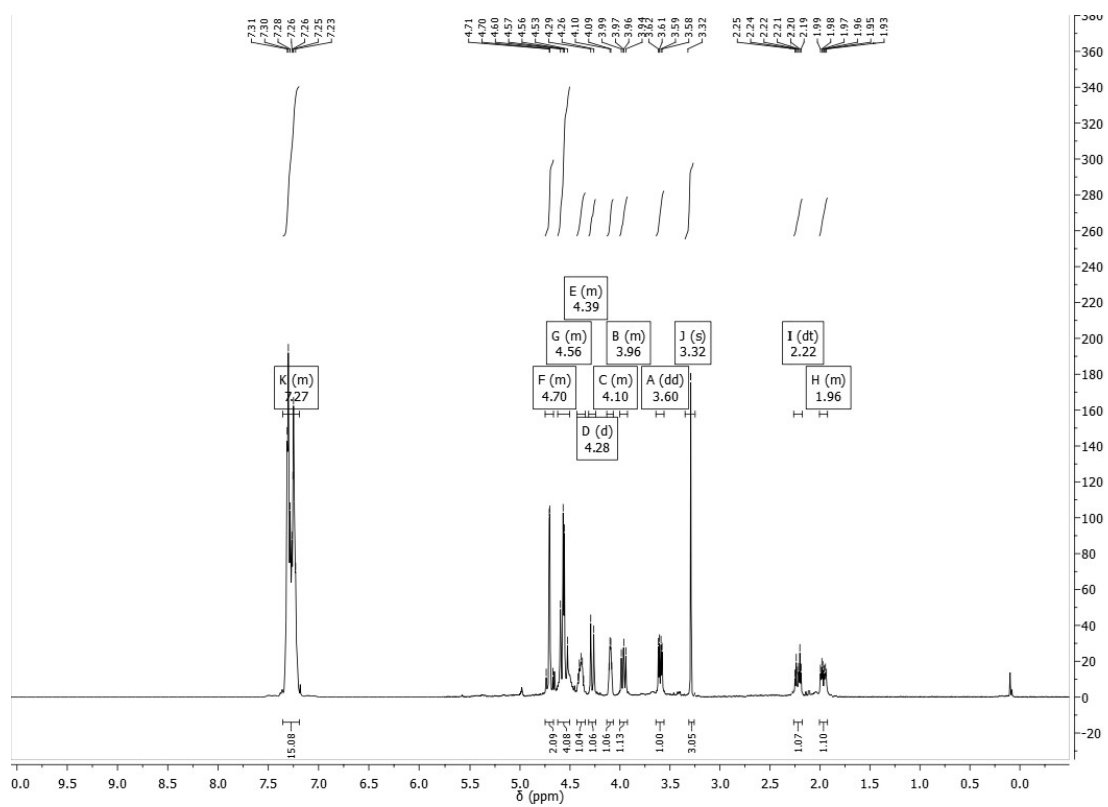


Figure S15.  $^1\text{H}$ -NMR spectra of compound **18**

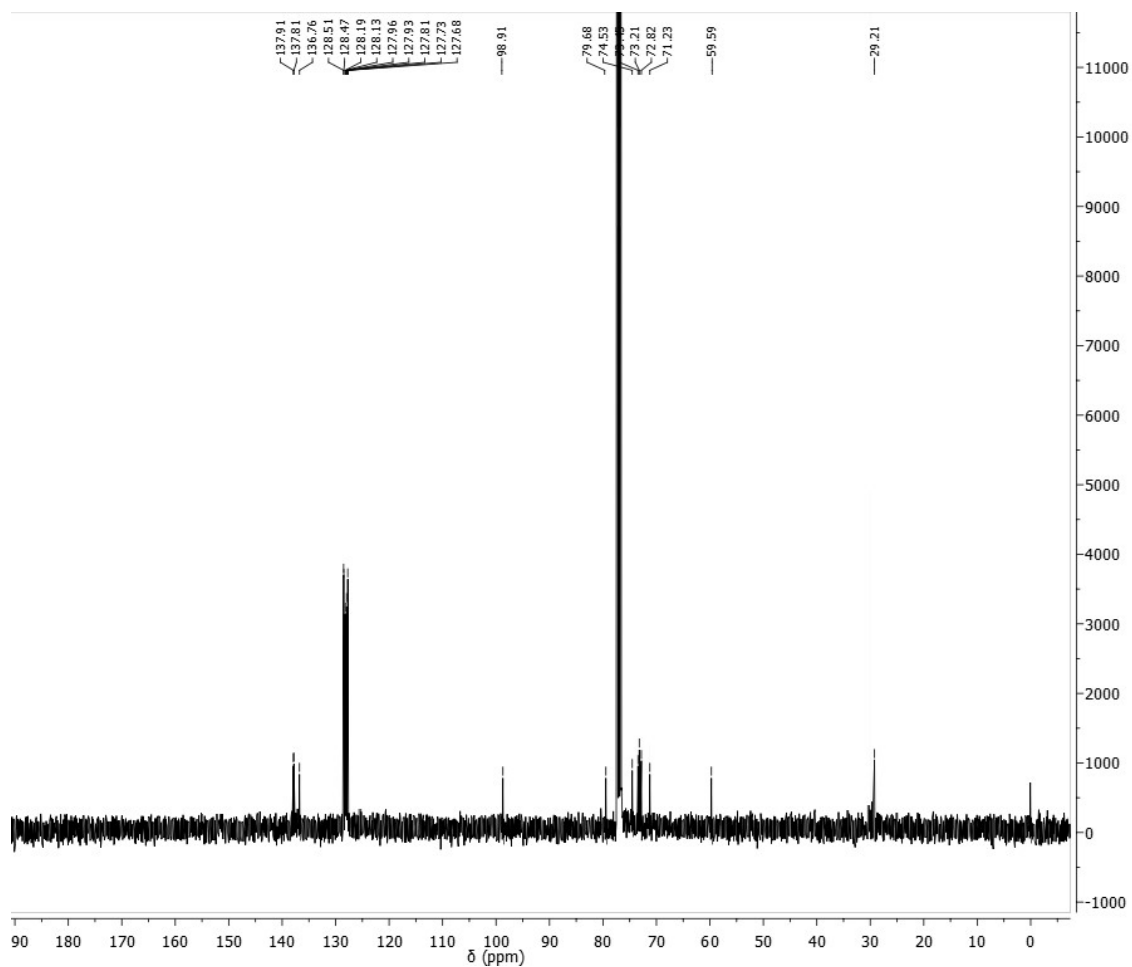


Figure S16.  $^{13}\text{C}$ -NMR spectra of compound **18**



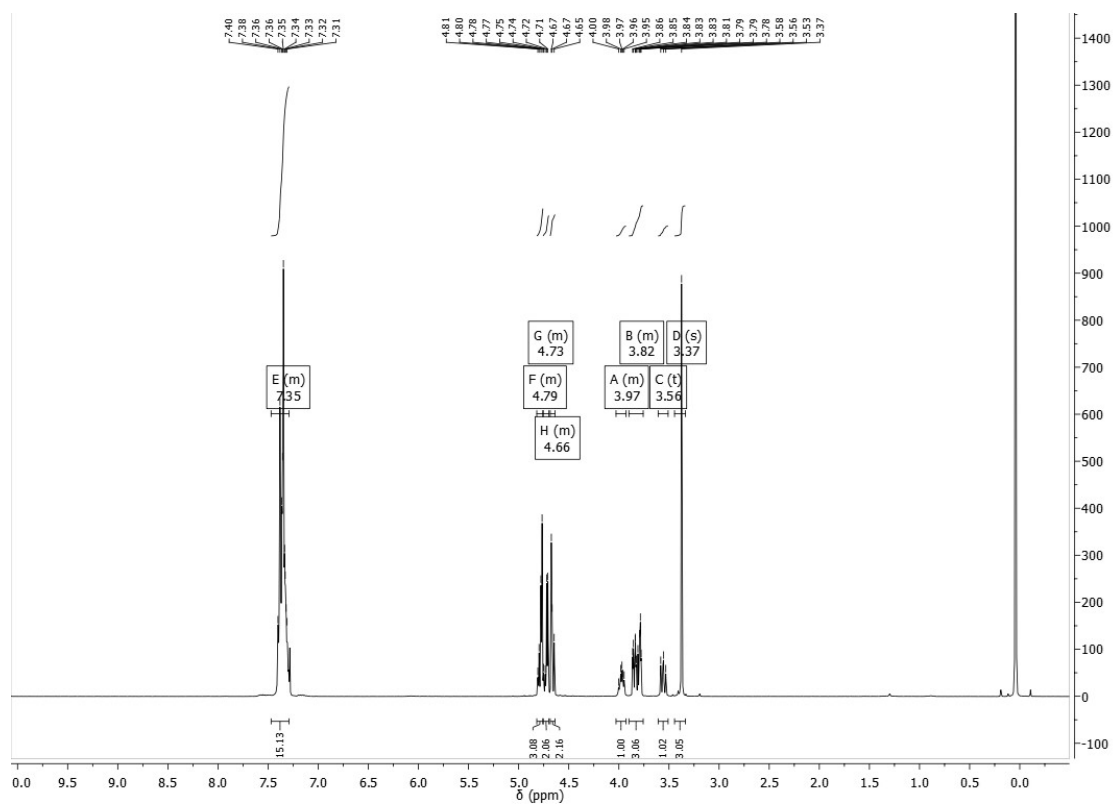


Figure S17. <sup>1</sup>H-NMR spectra of compound **19**

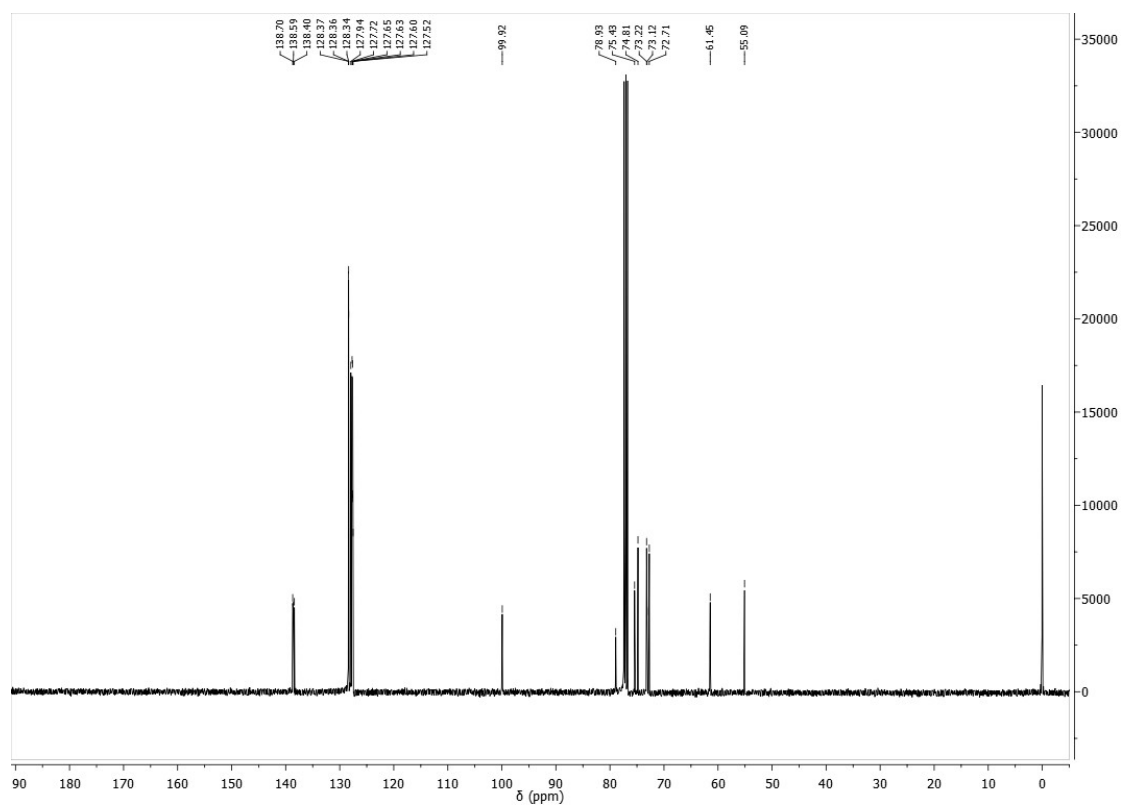


Figure S18. <sup>13</sup>C-NMR spectra of compound **19**

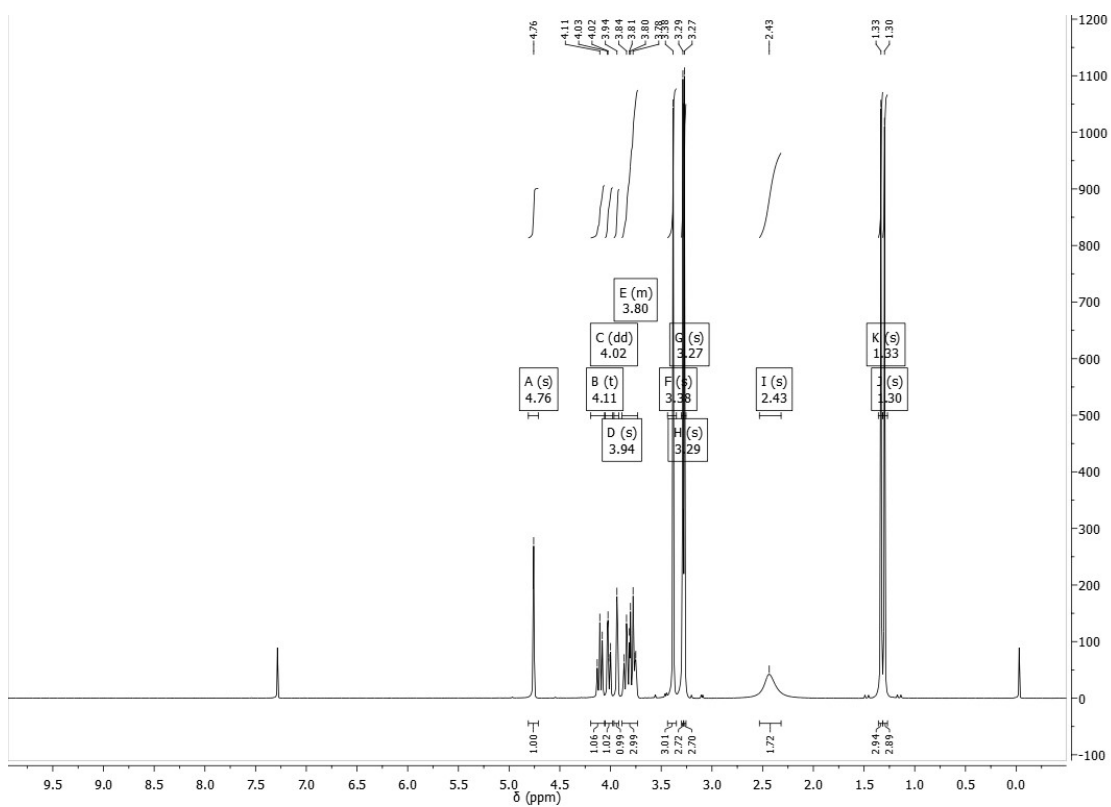


Figure S19. <sup>1</sup>H-NMR spectra of compound **20**

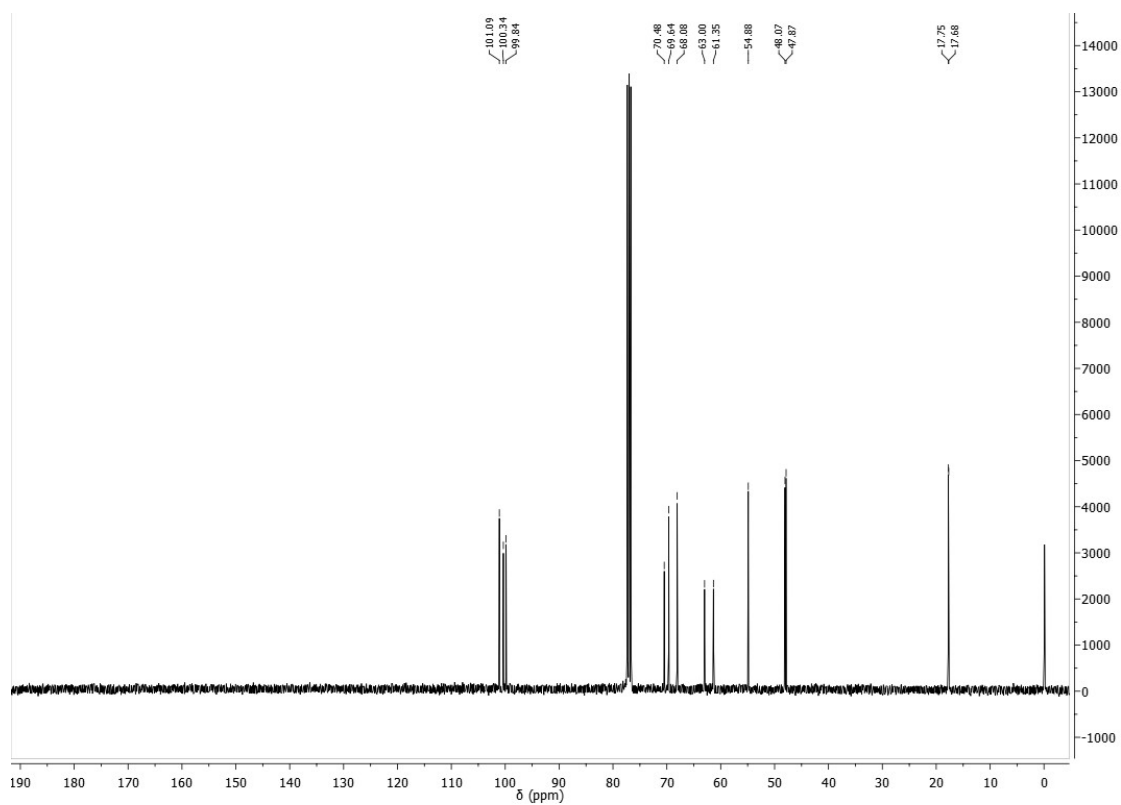


Figure S20. <sup>13</sup>C-NMR spectra of compound **20**

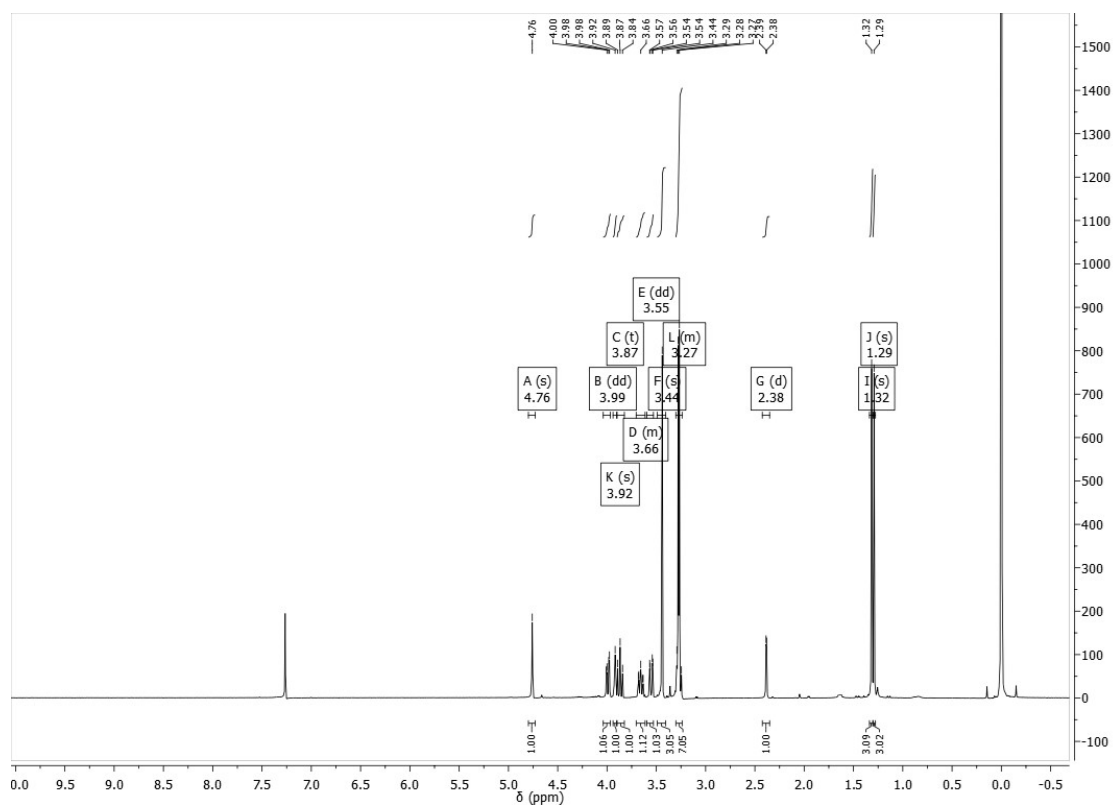


Figure S21. <sup>1</sup>H-NMR spectra of compound **21**

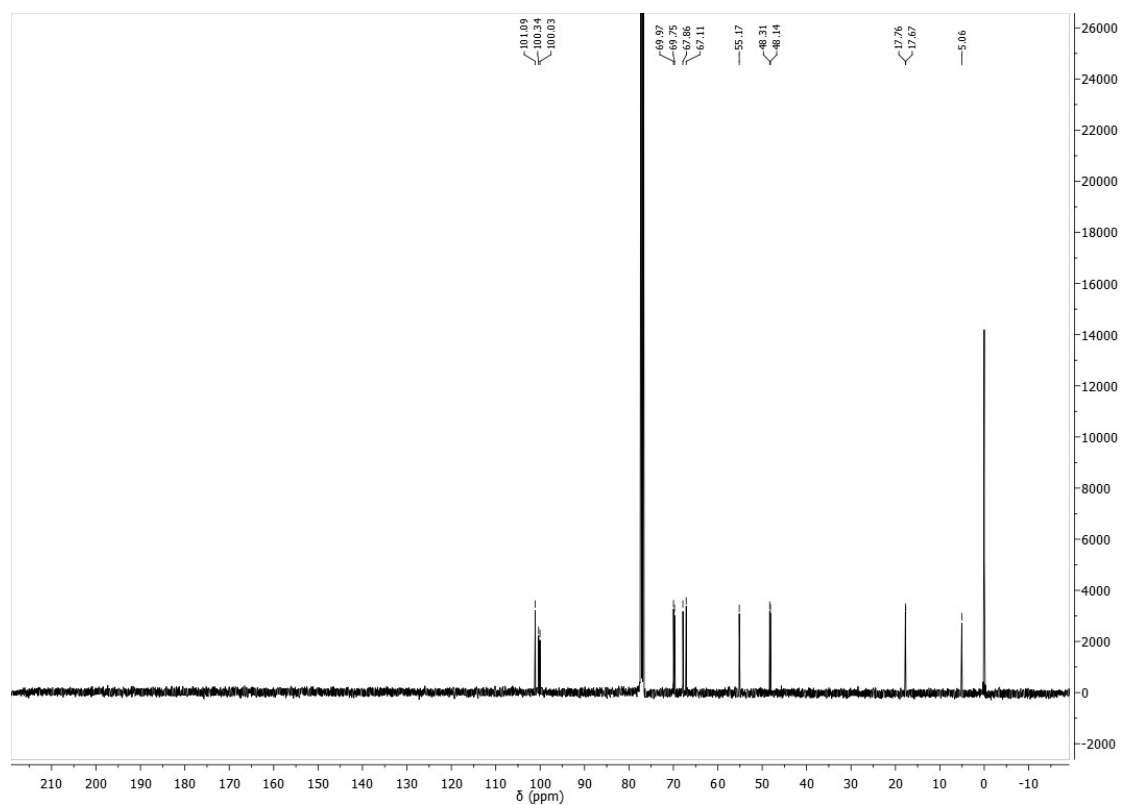


Figure S22. <sup>13</sup>C-NMR spectra of compound **21**

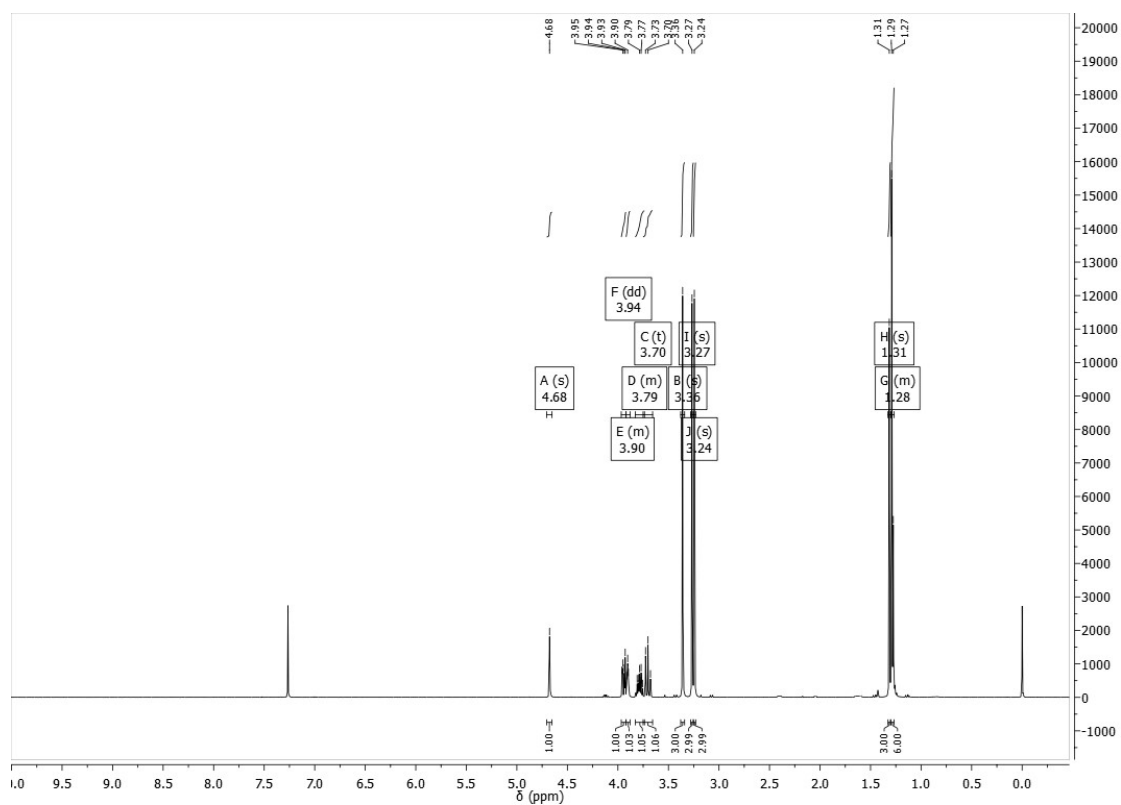


Figure S23. <sup>1</sup>H-NMR spectra of compound **22**

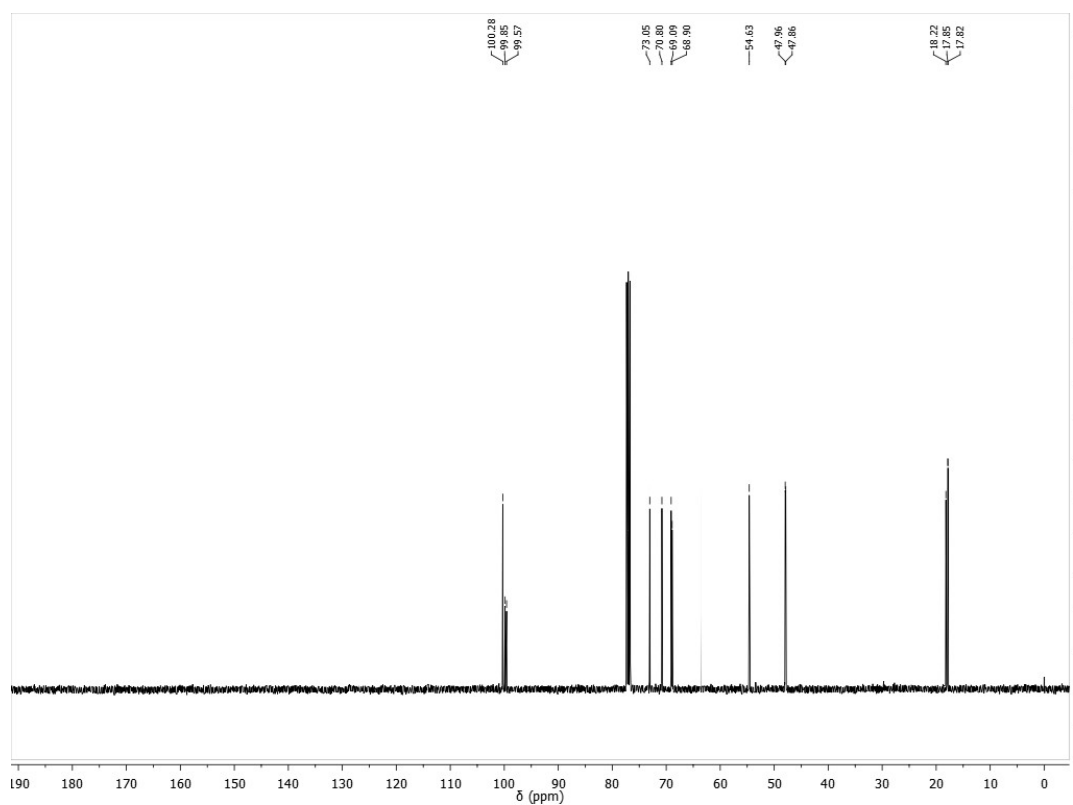


Figure S24. <sup>13</sup>C-NMR spectra of compound **22**

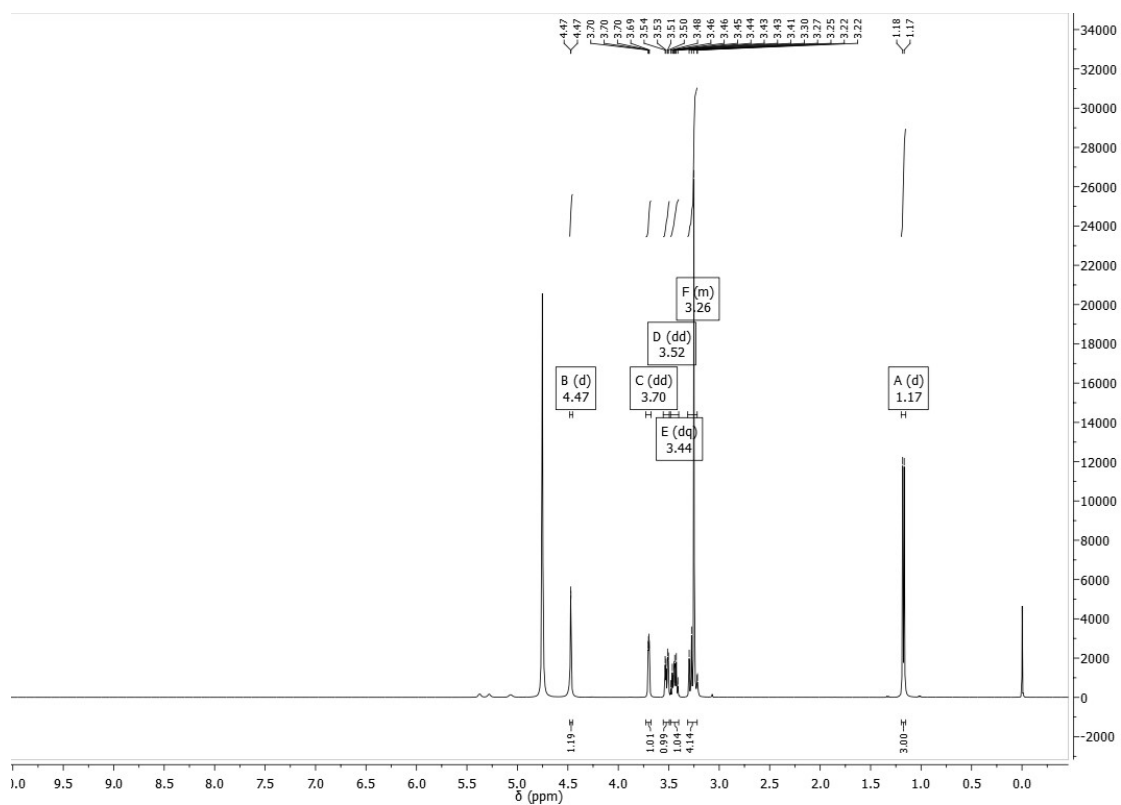


Figure S25.  $^1\text{H-NMR}$  spectra of compound **23**

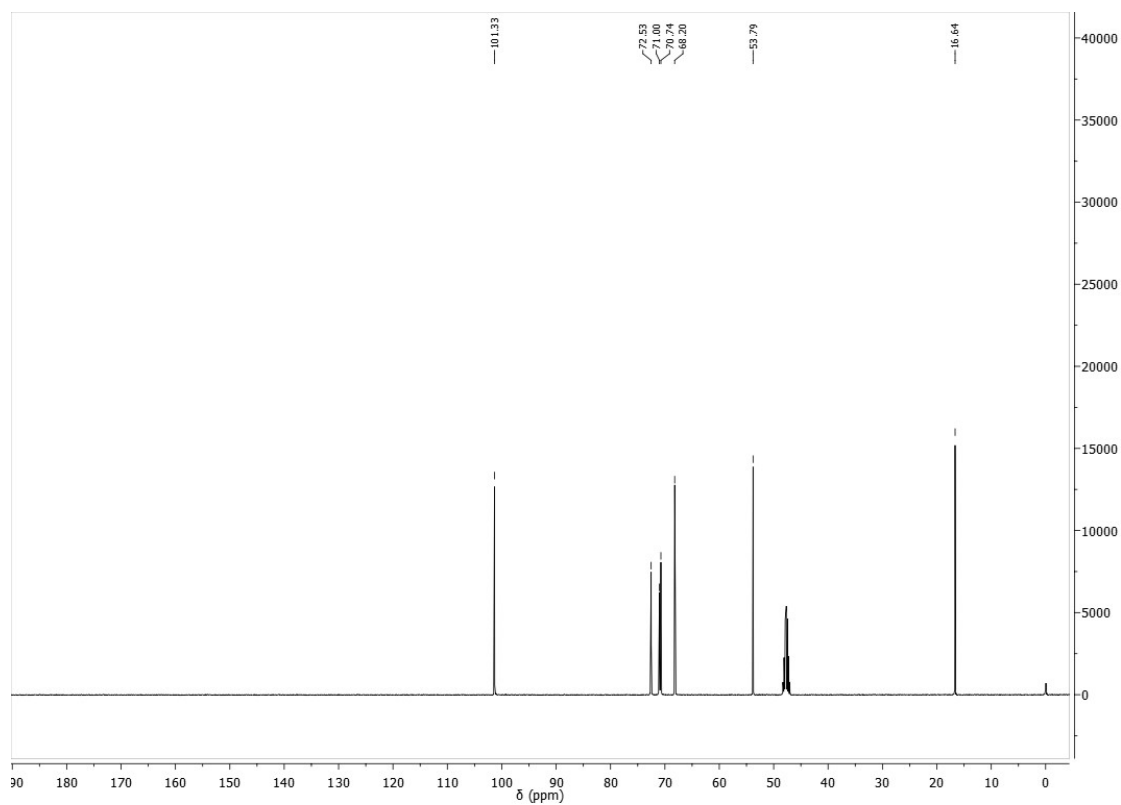


Figure S26.  $^{13}\text{C-NMR}$  spectra of compound **23**

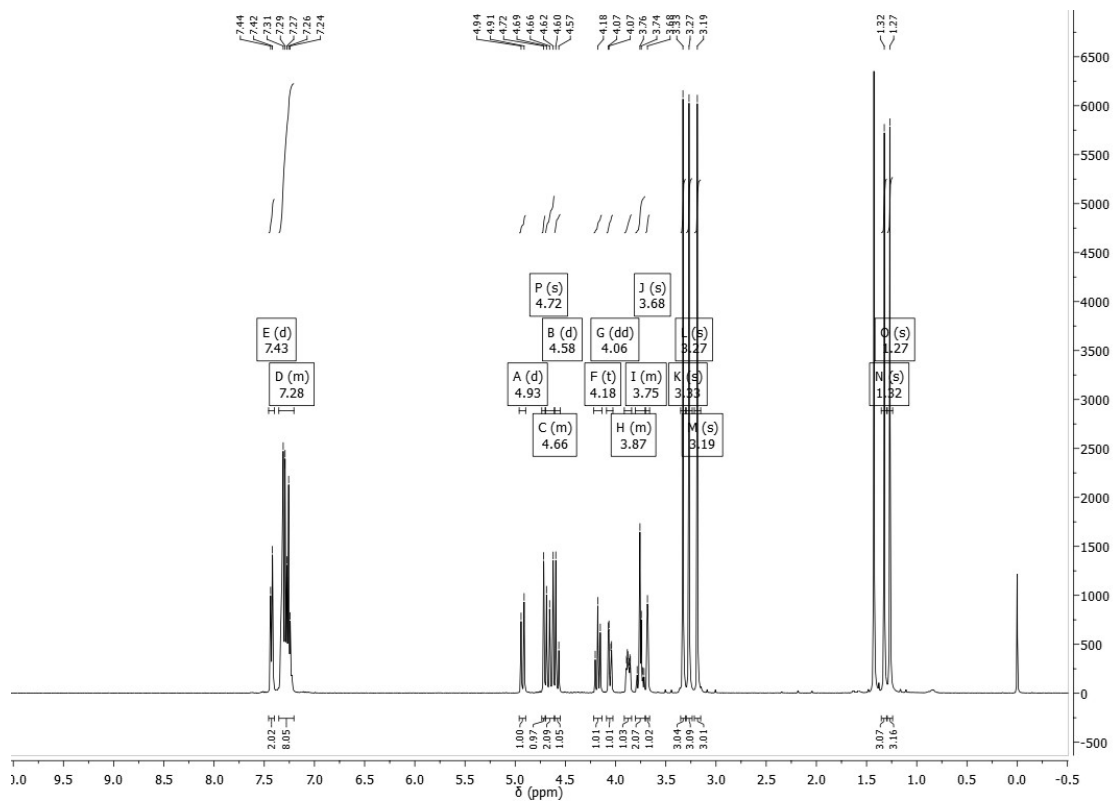


Figure S27. <sup>1</sup>H-NMR spectra of compound **24**

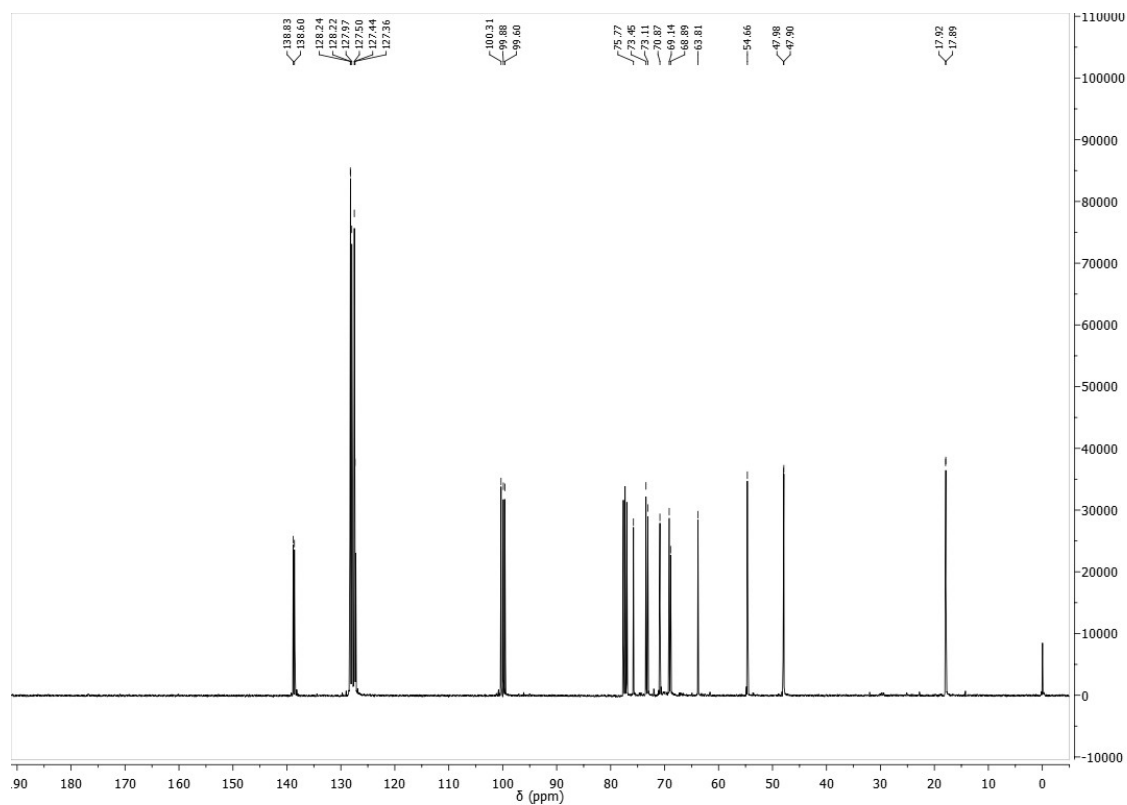


Figure S28. <sup>13</sup>C-NMR spectra of compound **24**

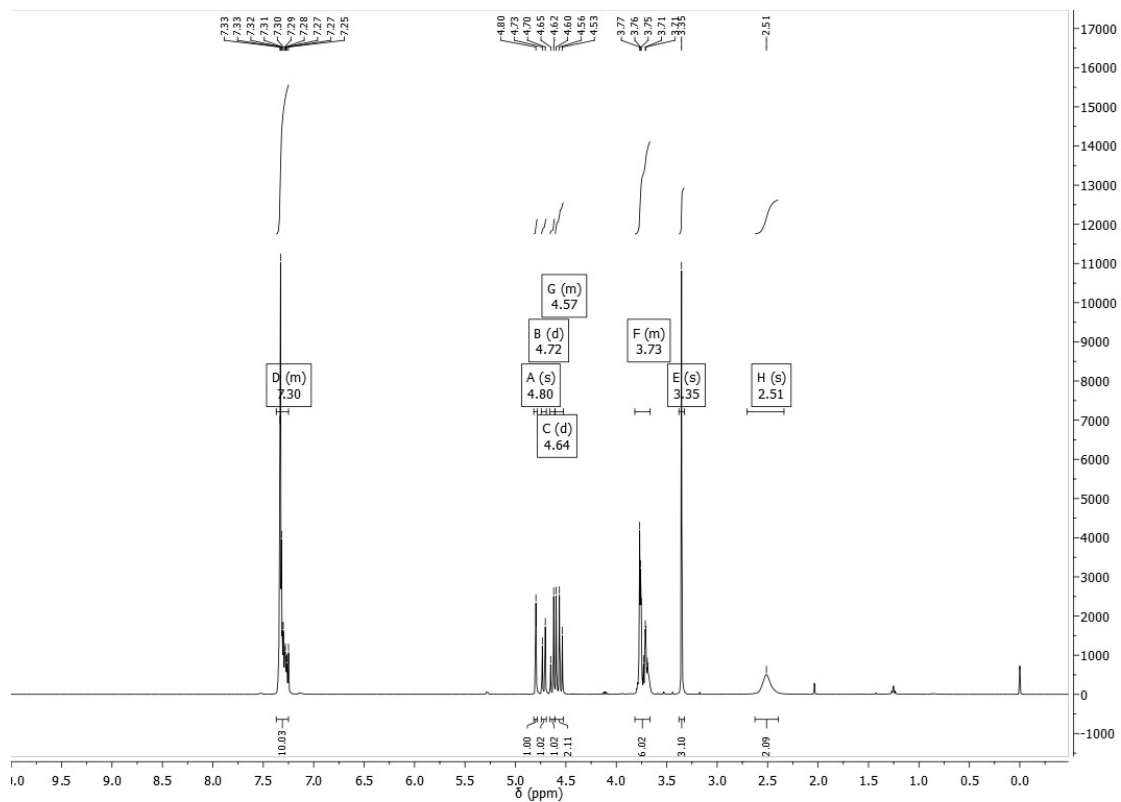


Figure S29. <sup>1</sup>H-NMR spectra of compound **25**

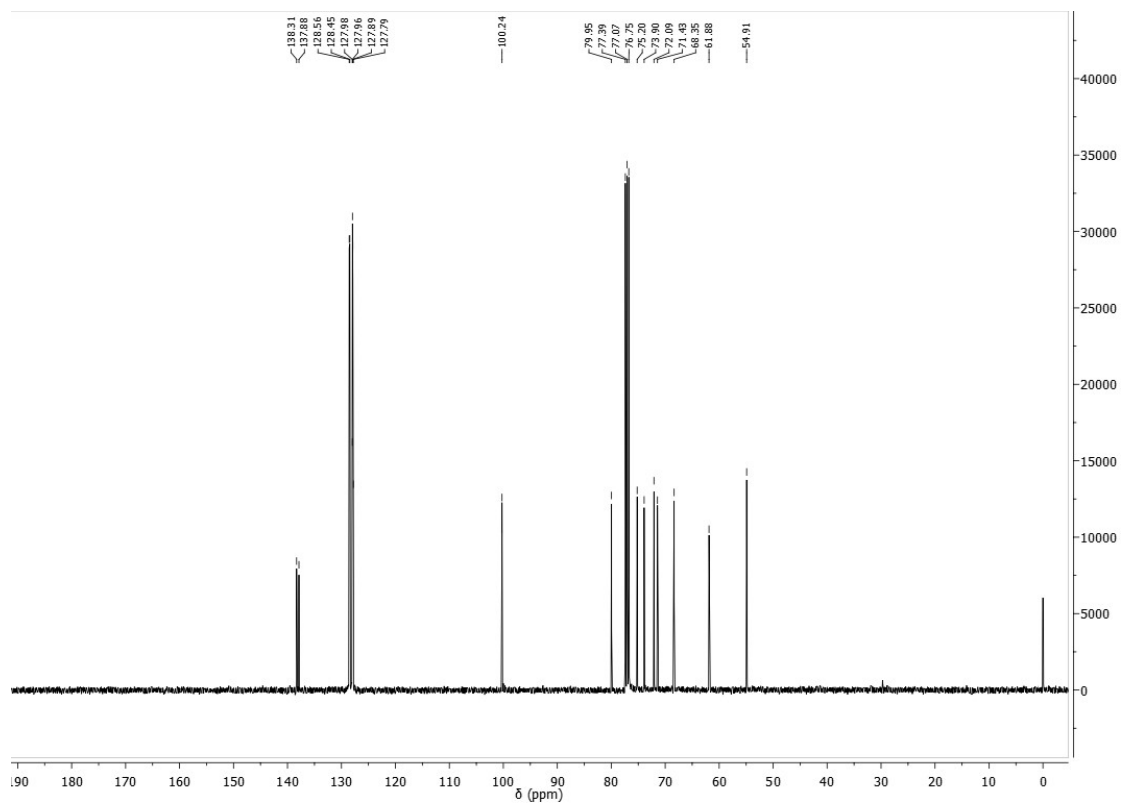


Figure S30. <sup>13</sup>C-NMR spectra of compound **25**

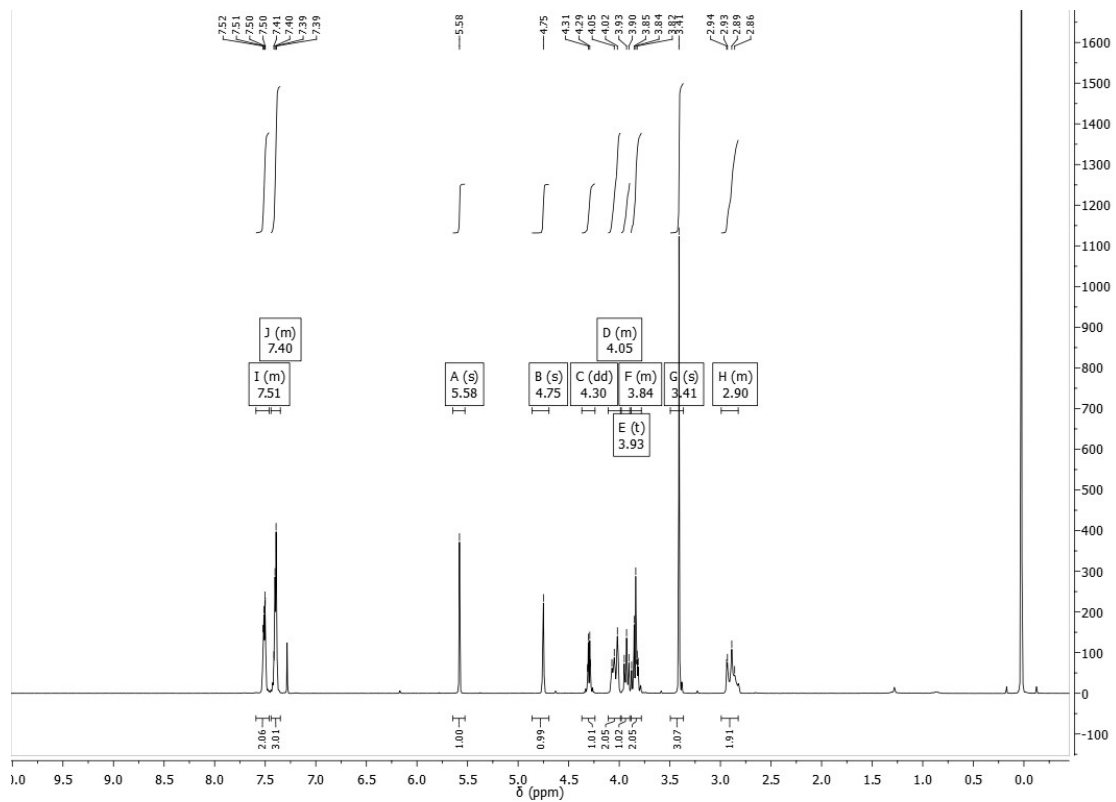


Figure S31.  $^1\text{H}$ -NMR spectra of compound **26**

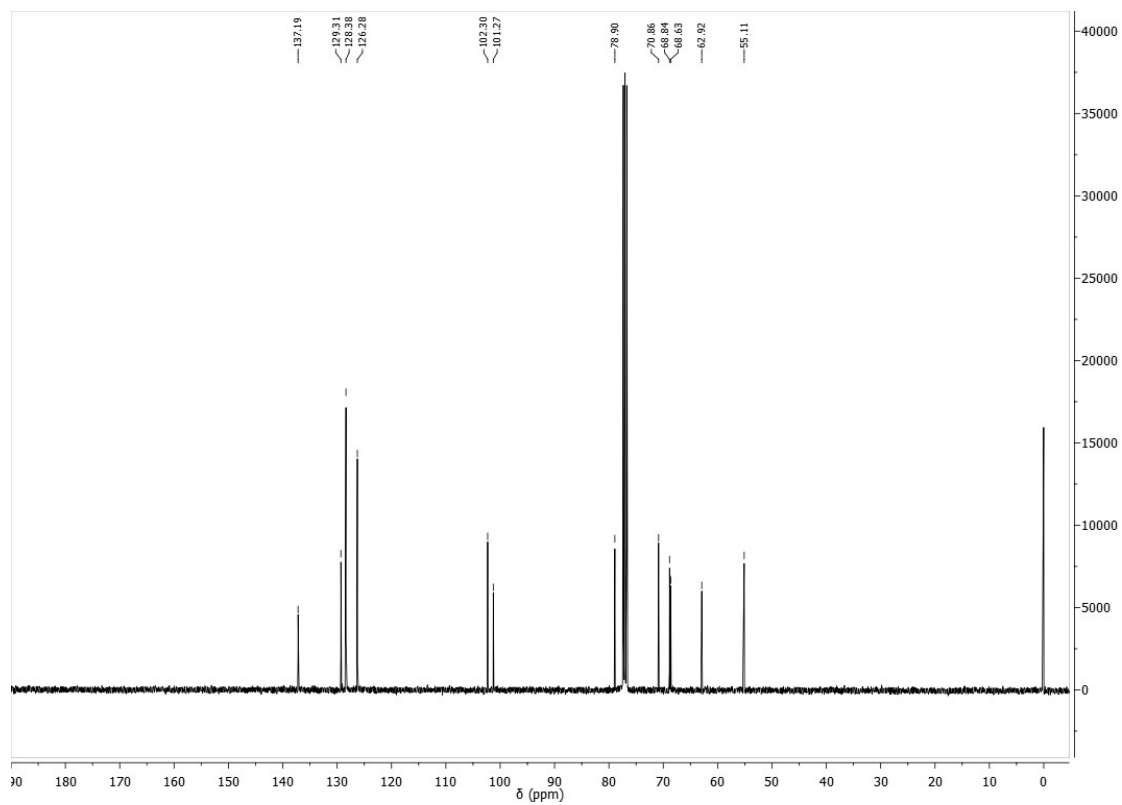


Figure S32.  $^{13}\text{C}$ -NMR spectra of compound **26**



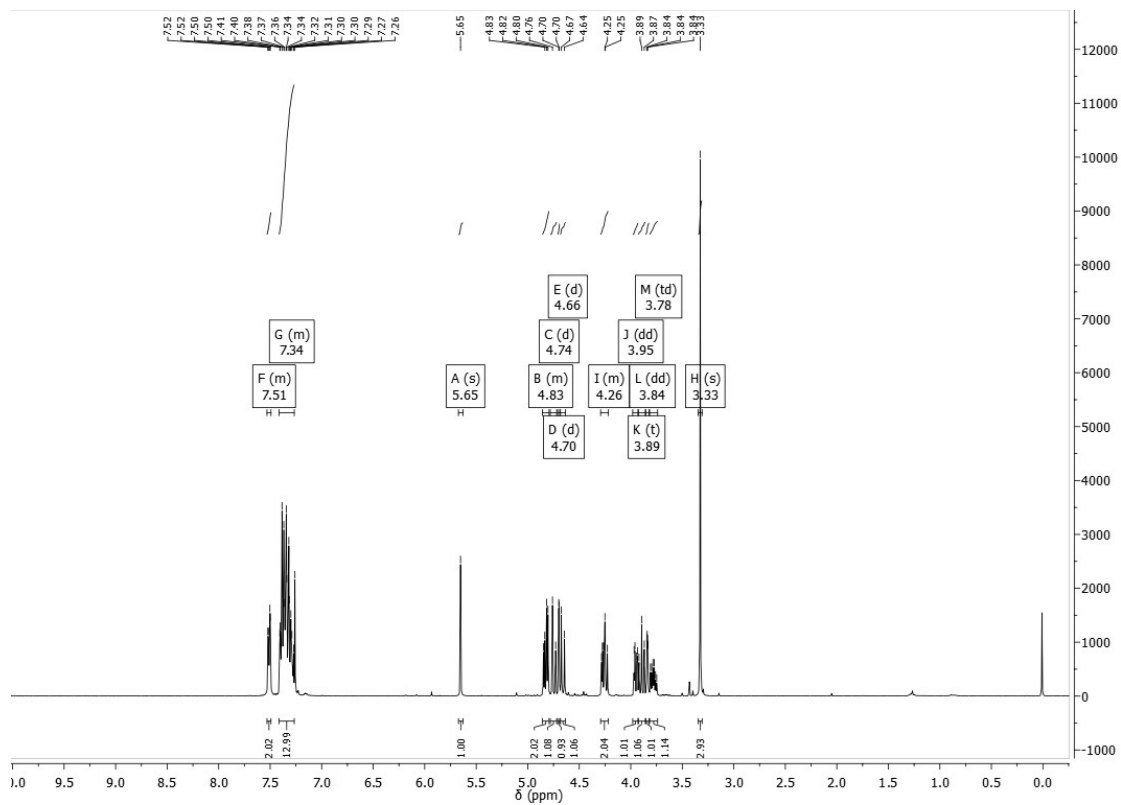


Figure S33. <sup>1</sup>H-NMR spectra of compound **27**

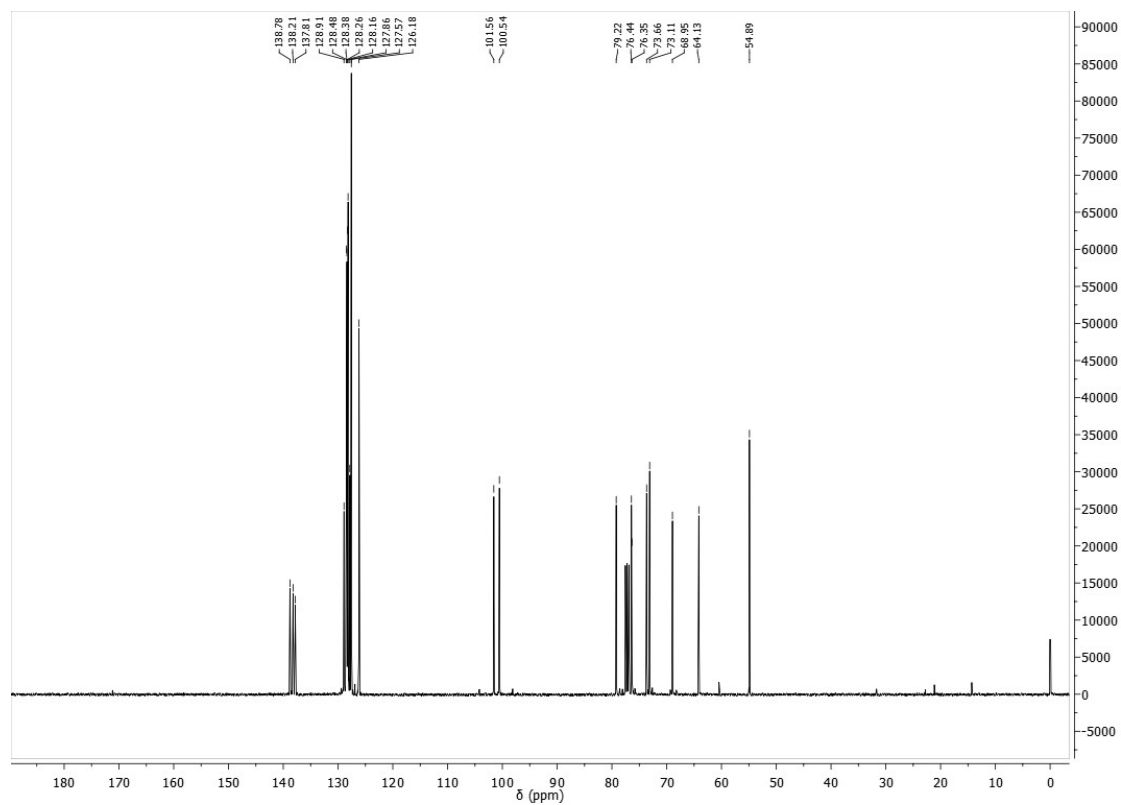


Figure S34. <sup>13</sup>C-NMR spectra of compound **27**

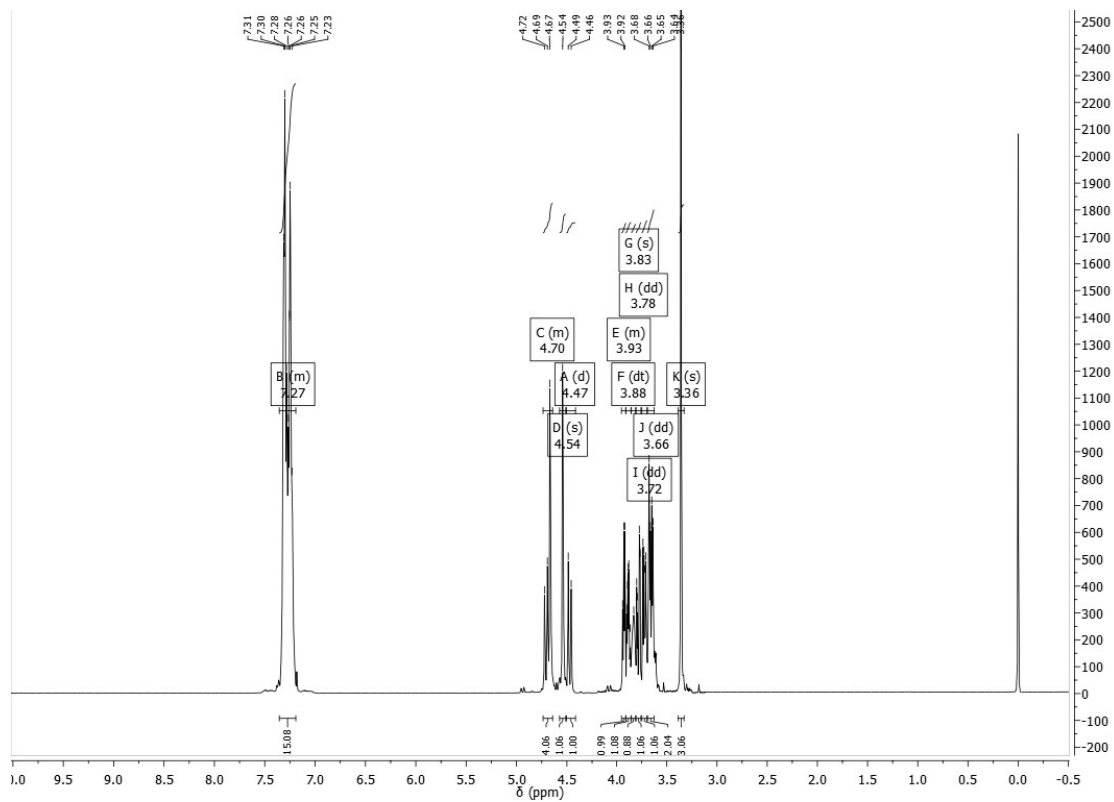


Figure S35. <sup>1</sup>H-NMR spectra of compound **28**

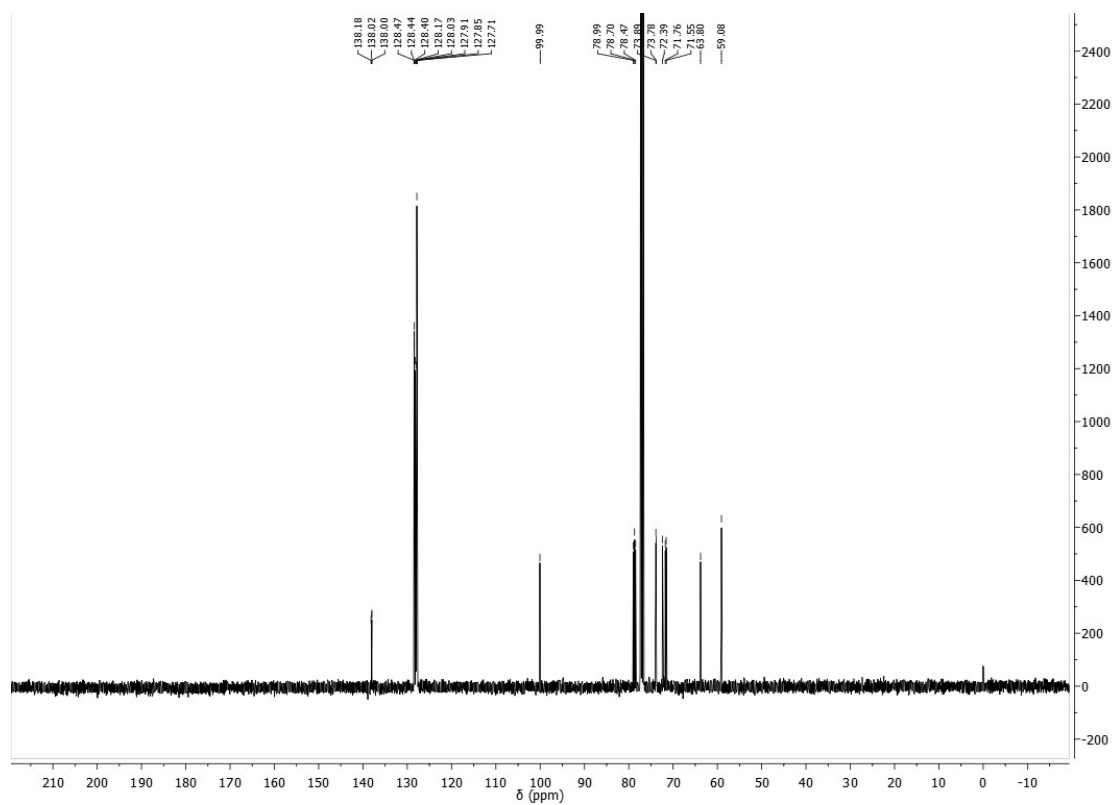


Figure S36. <sup>13</sup>C-NMR spectra of compound **28**

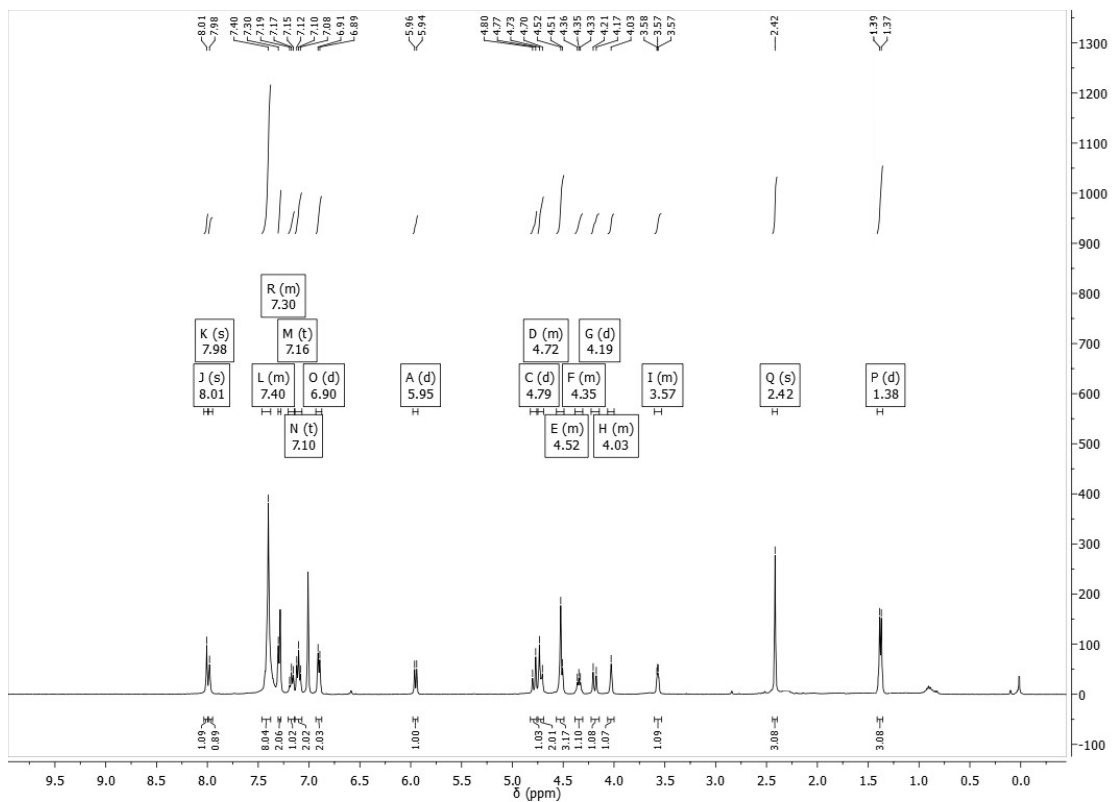


Figure S37. <sup>1</sup>H-NMR spectra of compound **30**

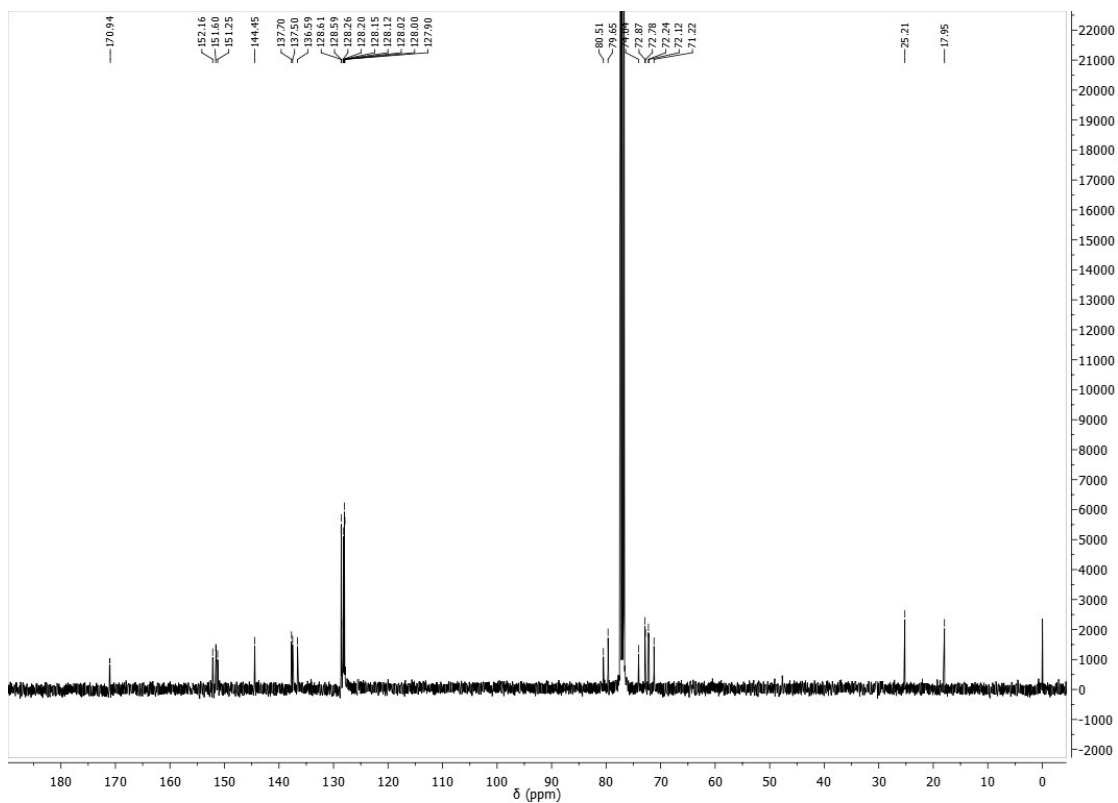


Figure S38. <sup>13</sup>C-NMR spectra of compound **30**

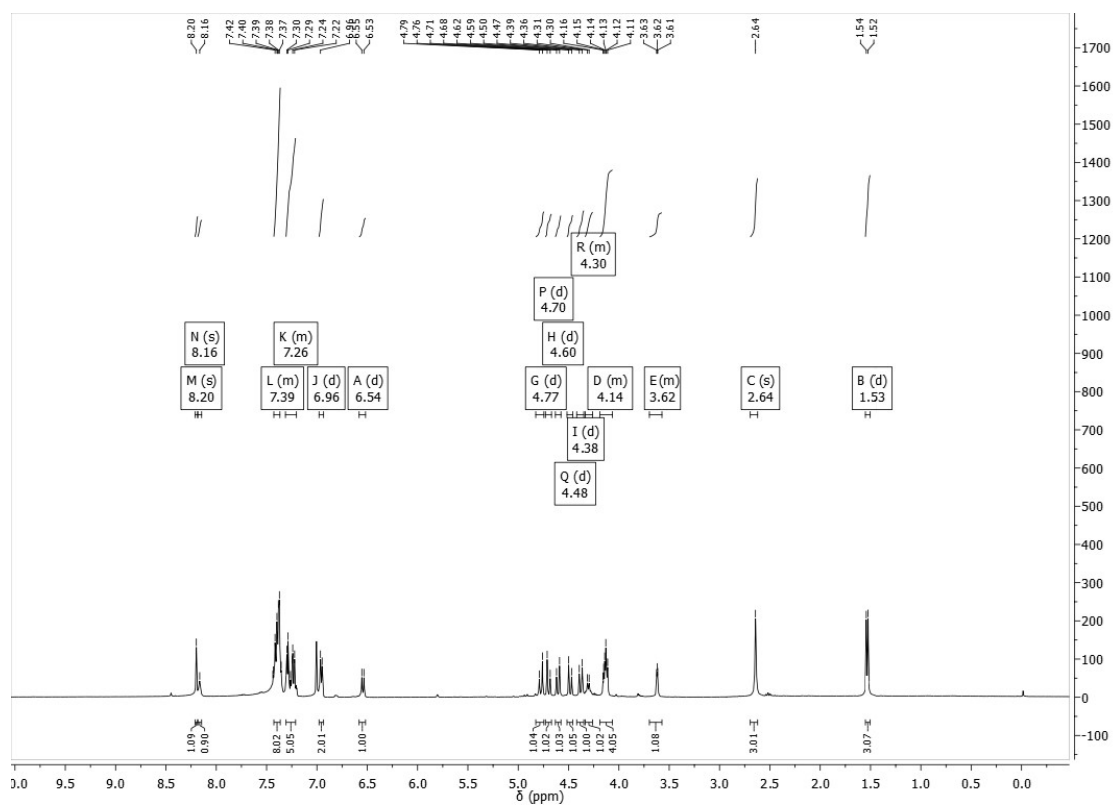


Figure S39. <sup>1</sup>H-NMR spectra of compound **31**

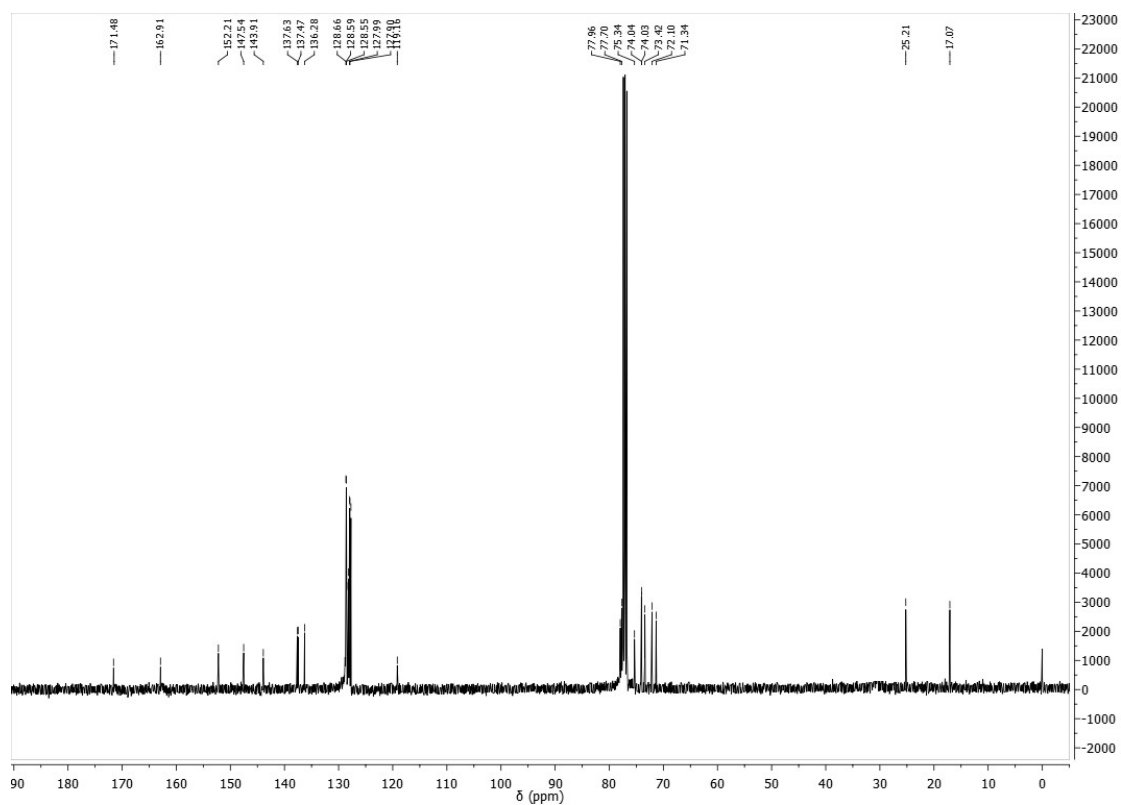


Figure S40. <sup>13</sup>C-NMR spectra of compound **31**

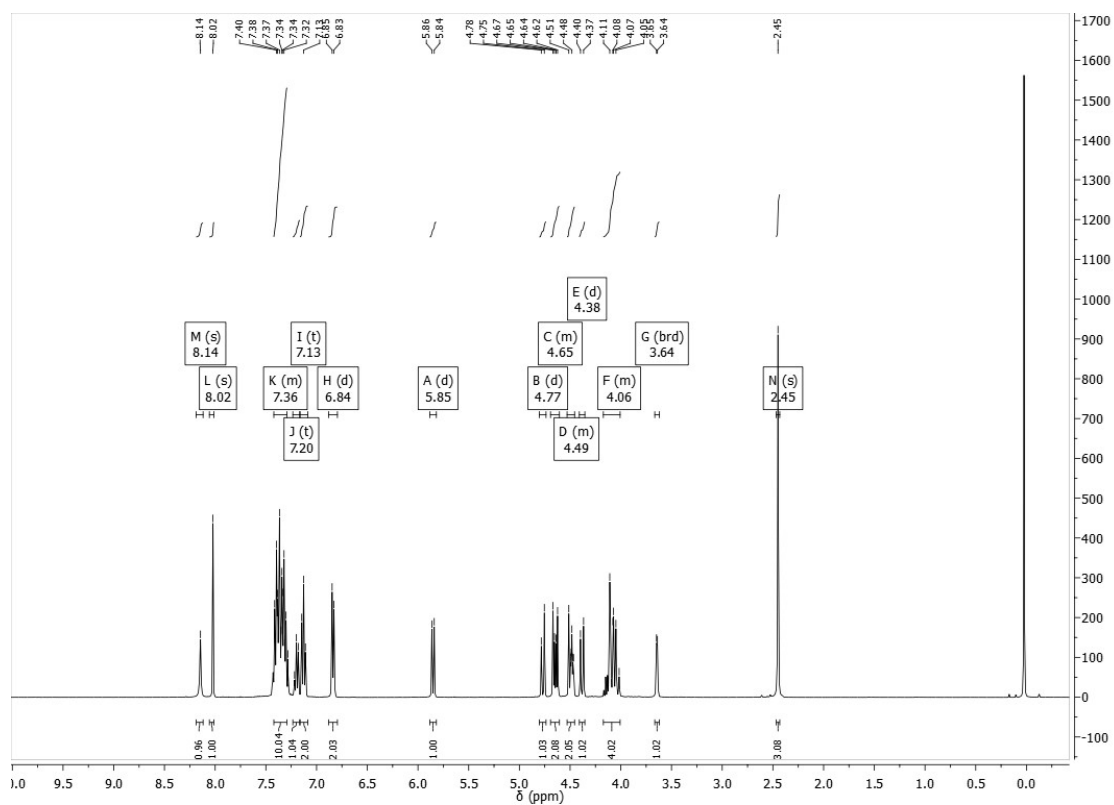


Figure S41. <sup>1</sup>H-NMR spectra of compound **32**

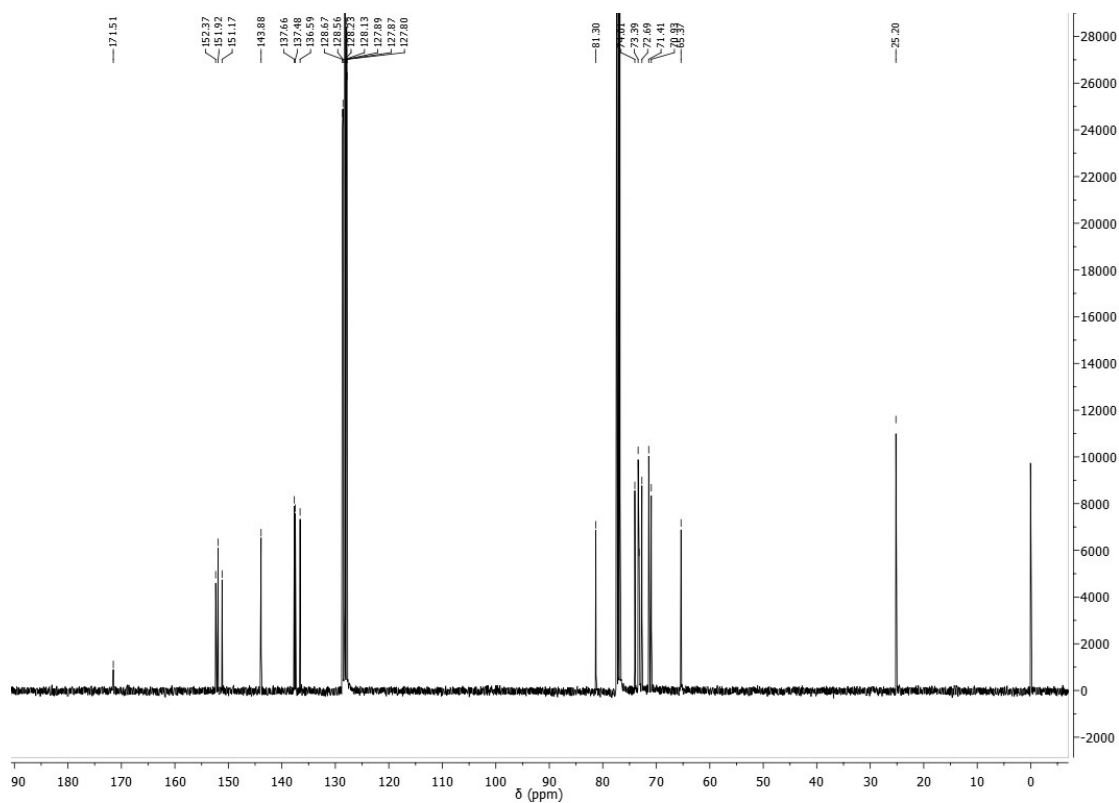


Figure S42. <sup>13</sup>C-NMR spectra of compound **32**

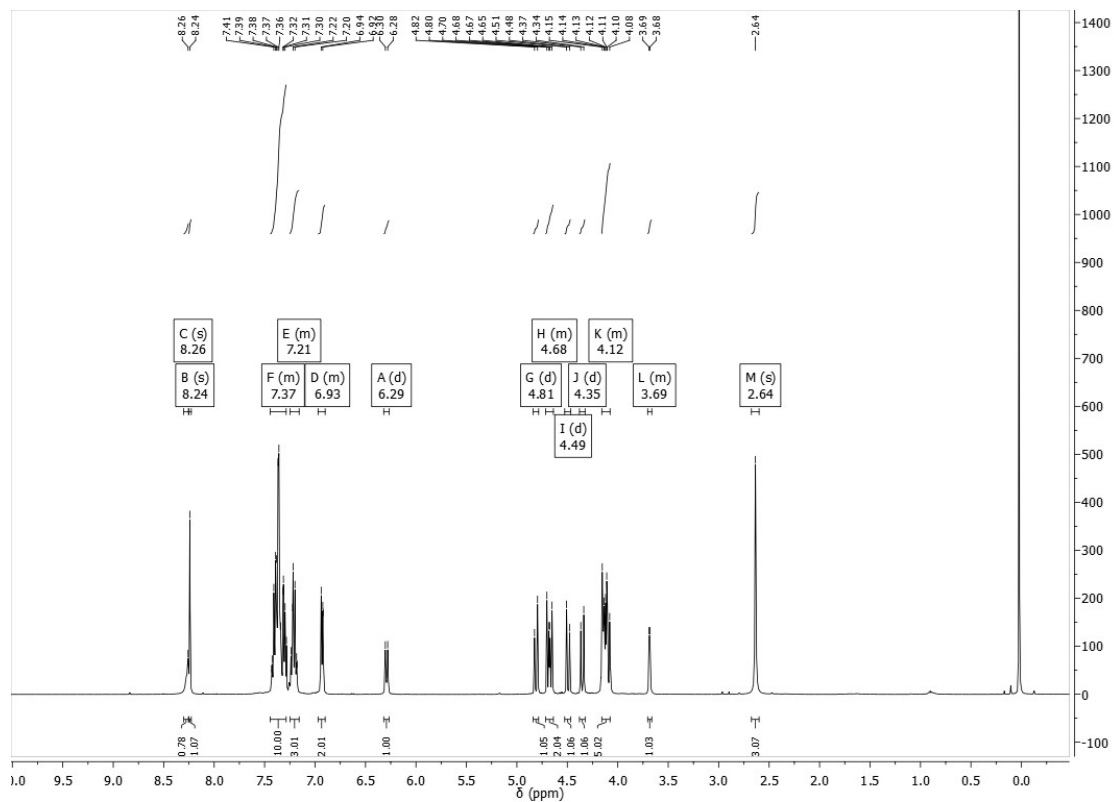


Figure S43. <sup>1</sup>H-NMR spectra of compound **33**

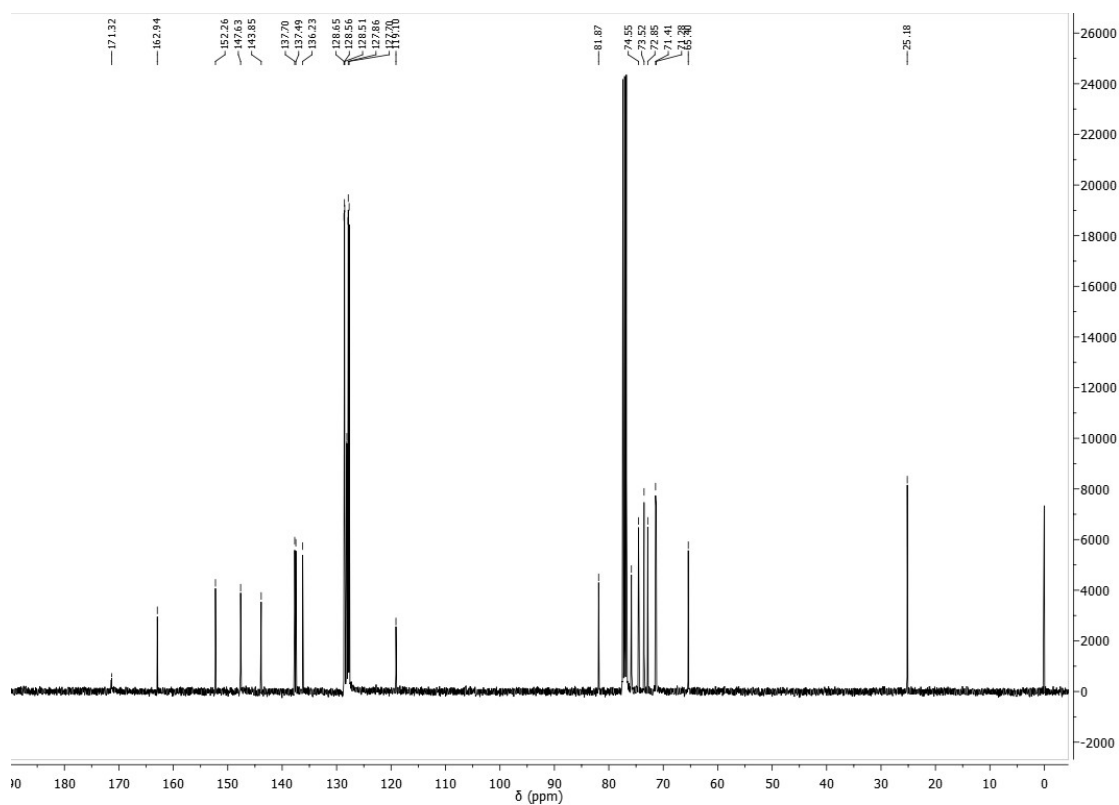


Figure S44. <sup>13</sup>C-NMR spectra of compound **33**

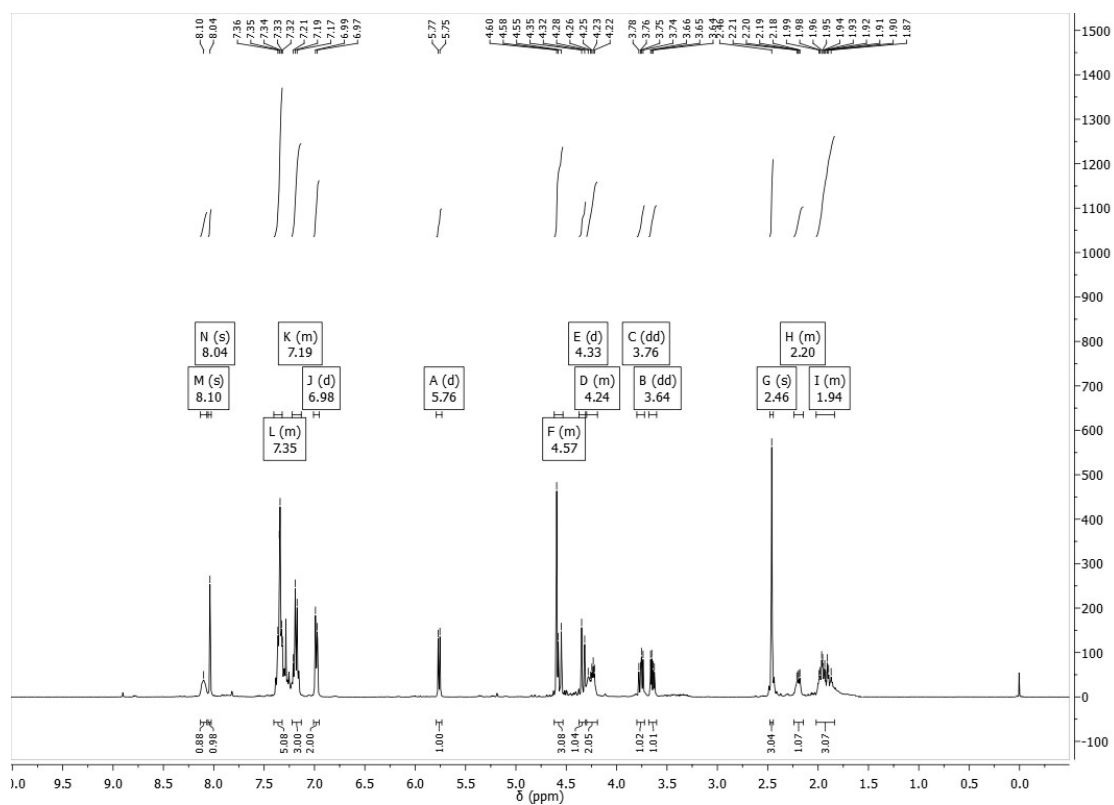


Figure S45. <sup>1</sup>H-NMR spectra of compound **34**

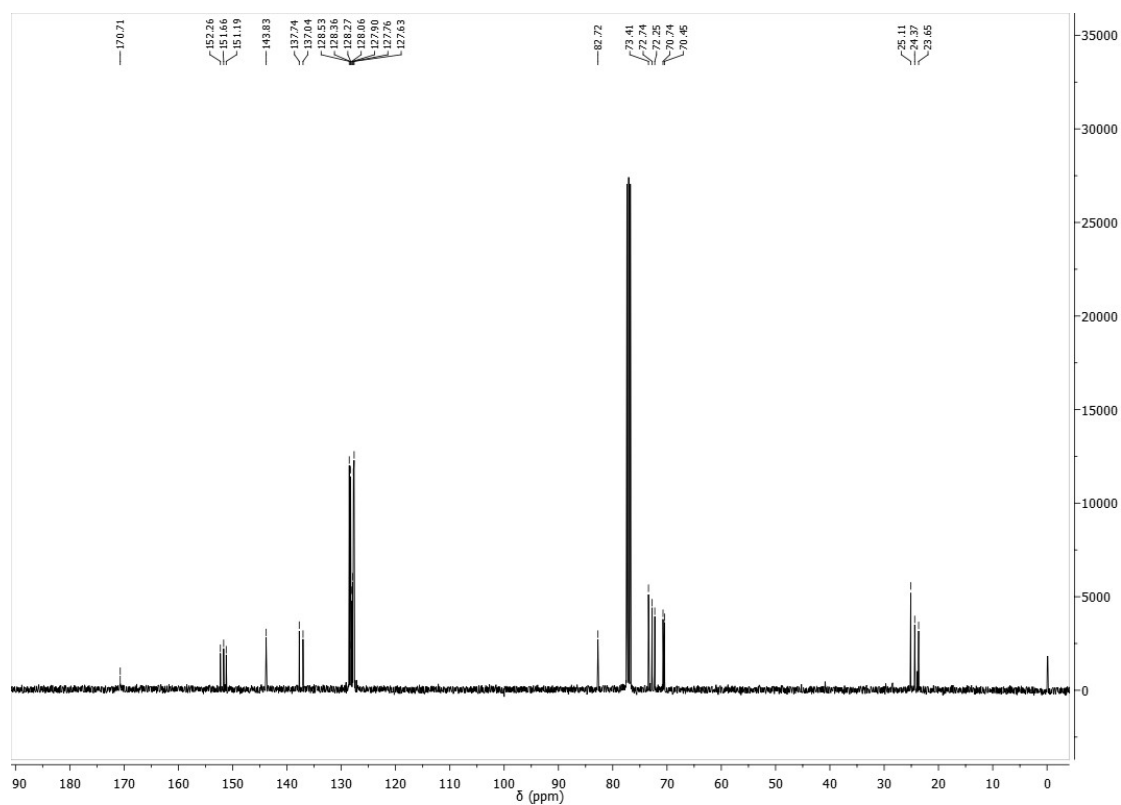


Figure S46. <sup>13</sup>C-NMR spectra of compound **34**

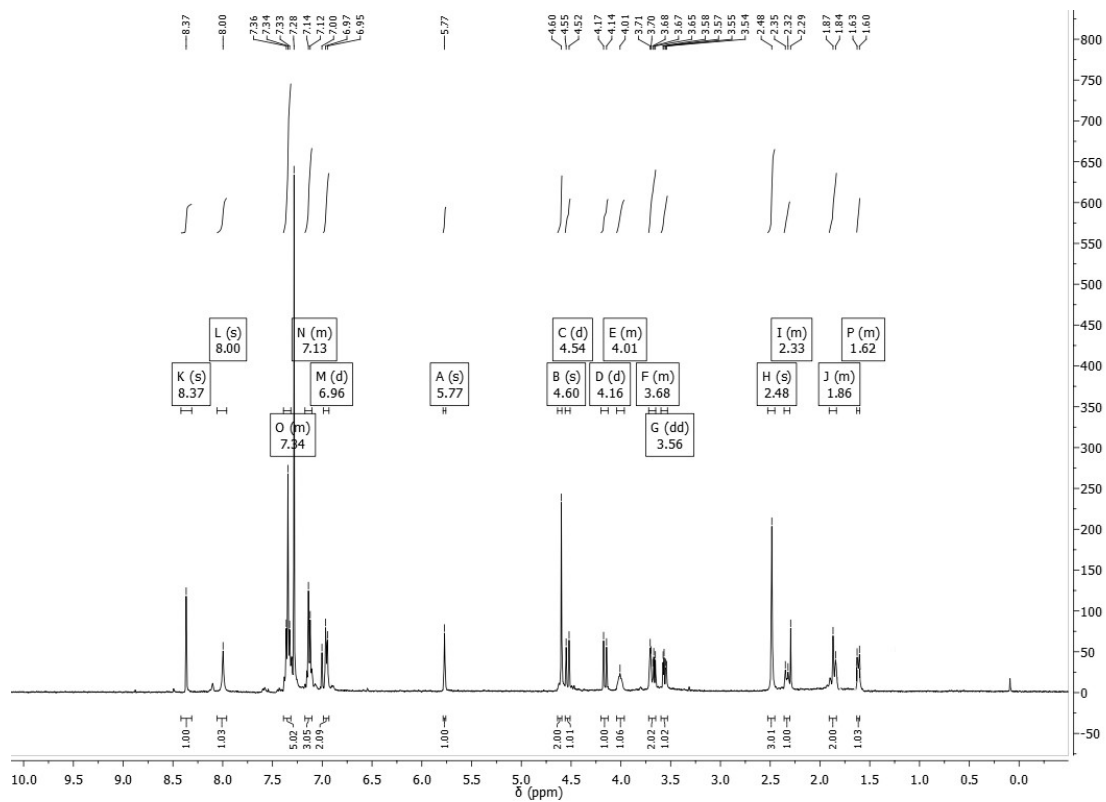


Figure S47.  $^1\text{H}$ -NMR spectra of compound **35**

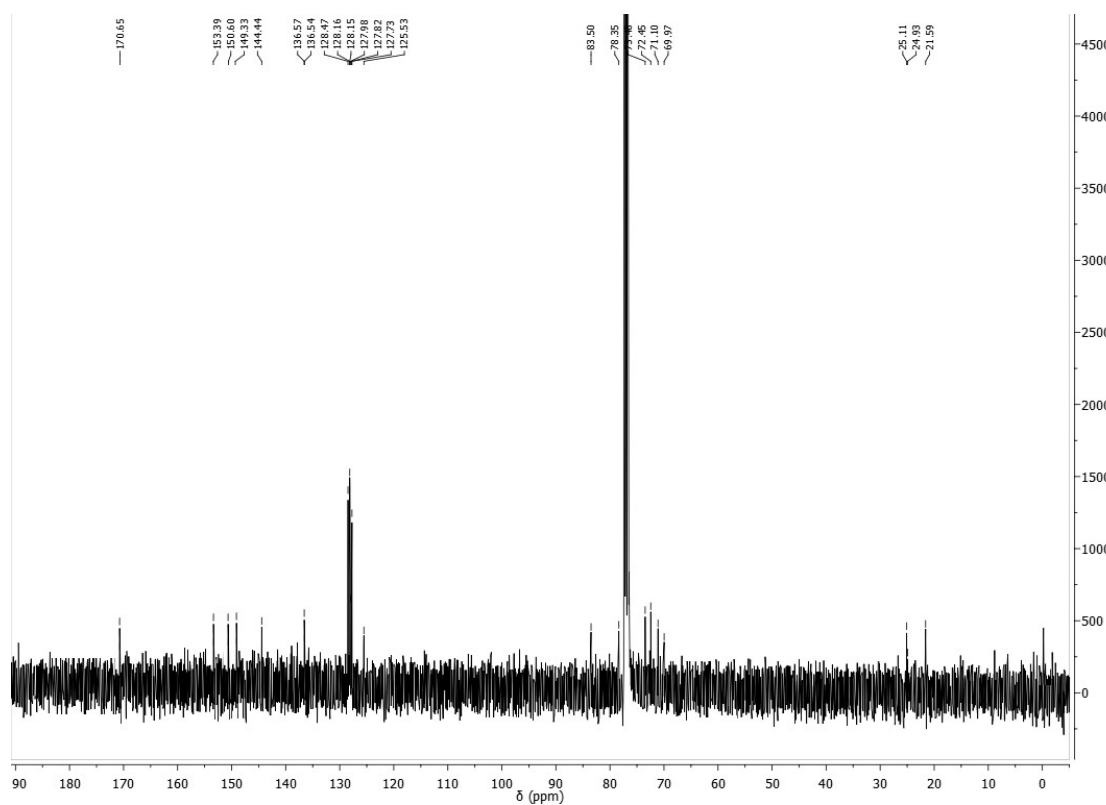


Figure S48.  $^{13}\text{C}$ -NMR spectra of compound **35**



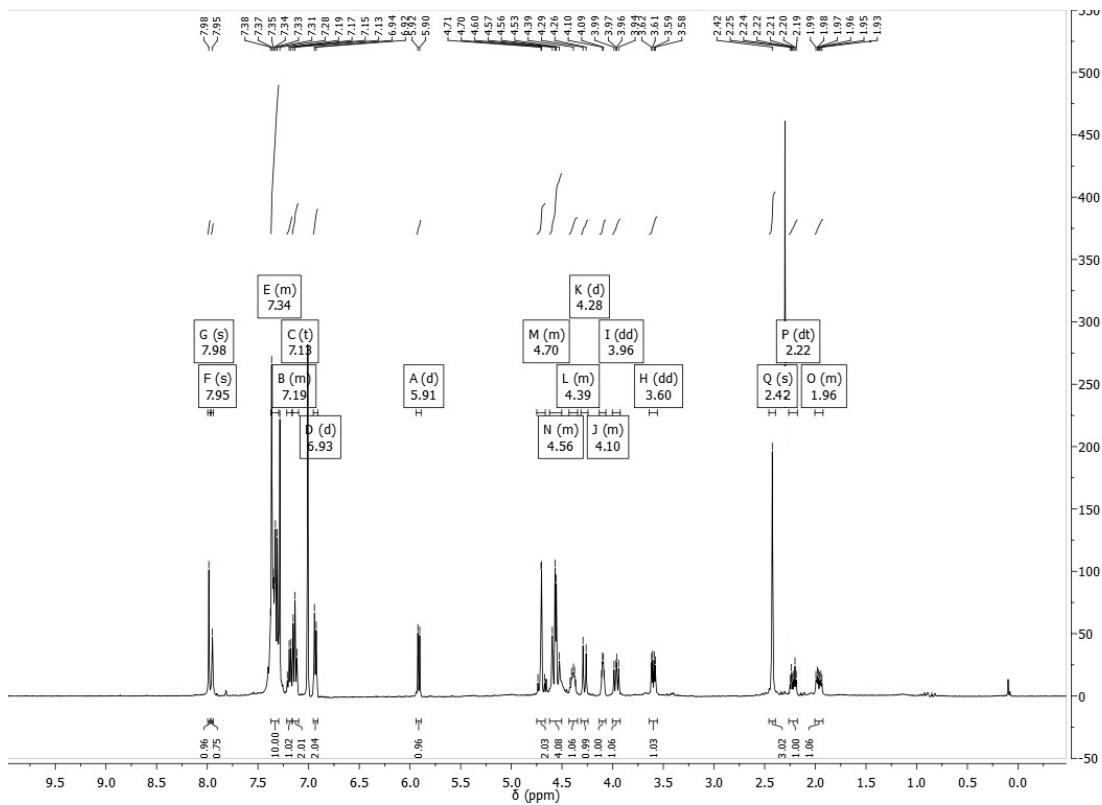


Figure S49. <sup>1</sup>H-NMR spectra of compound **36**

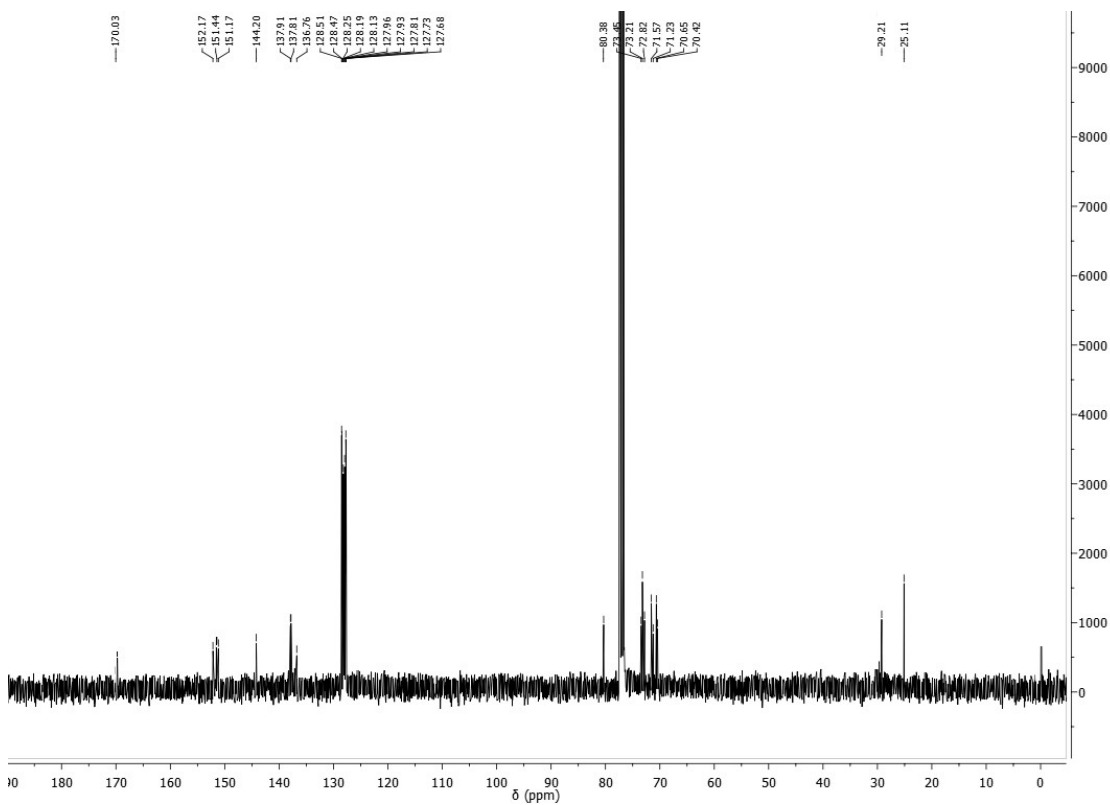


Figure S50. <sup>13</sup>C-NMR spectra of compound **36**

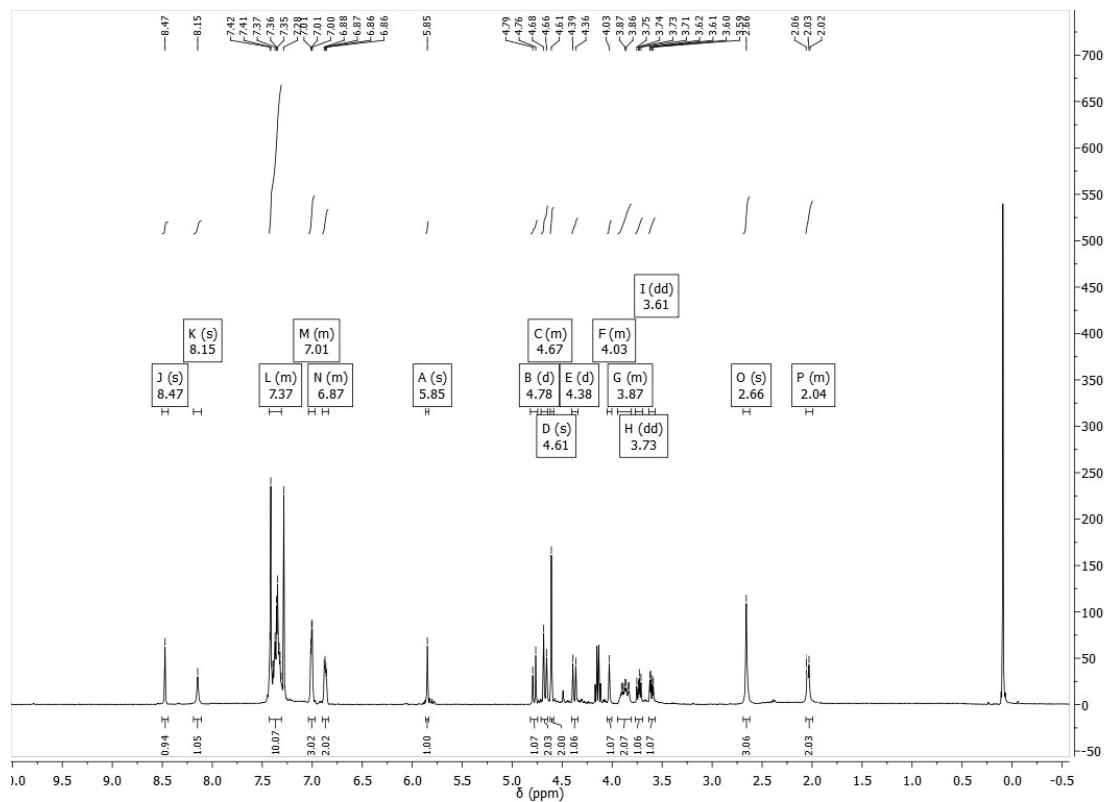


Figure S51.  $^1\text{H}$ -NMR spectra of compound **37**

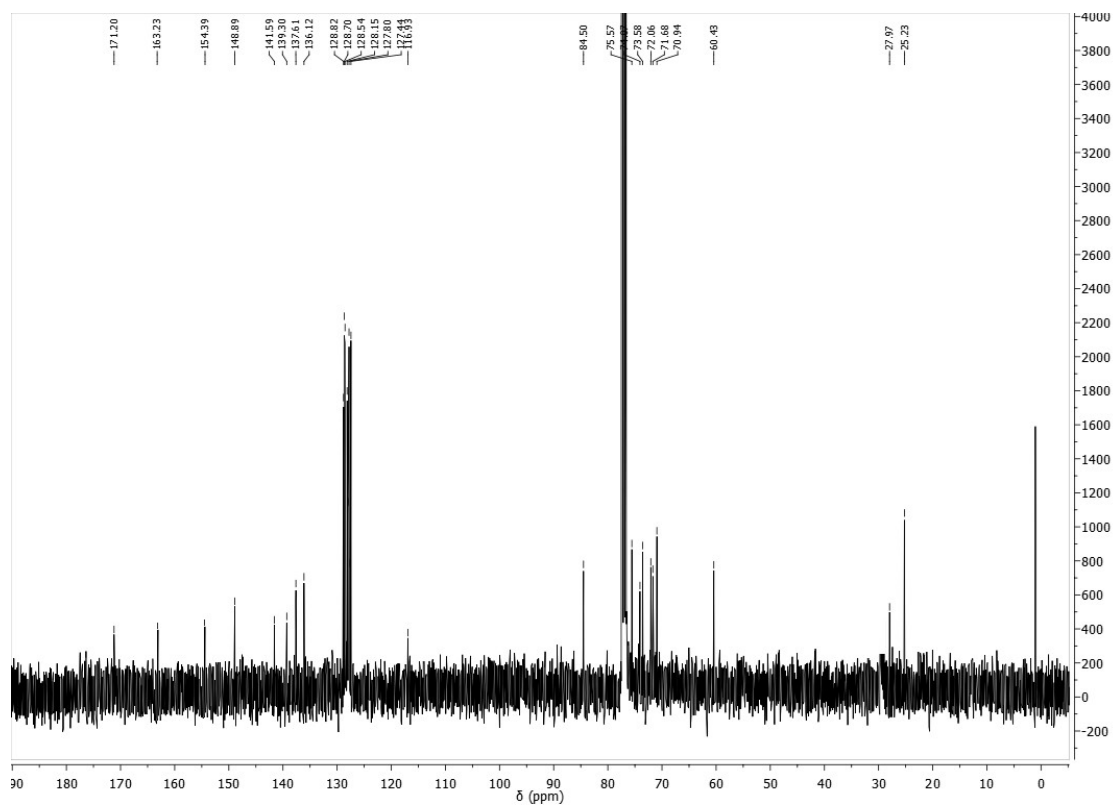


Figure S52.  $^{13}\text{C}$ -NMR spectra of compound **37**