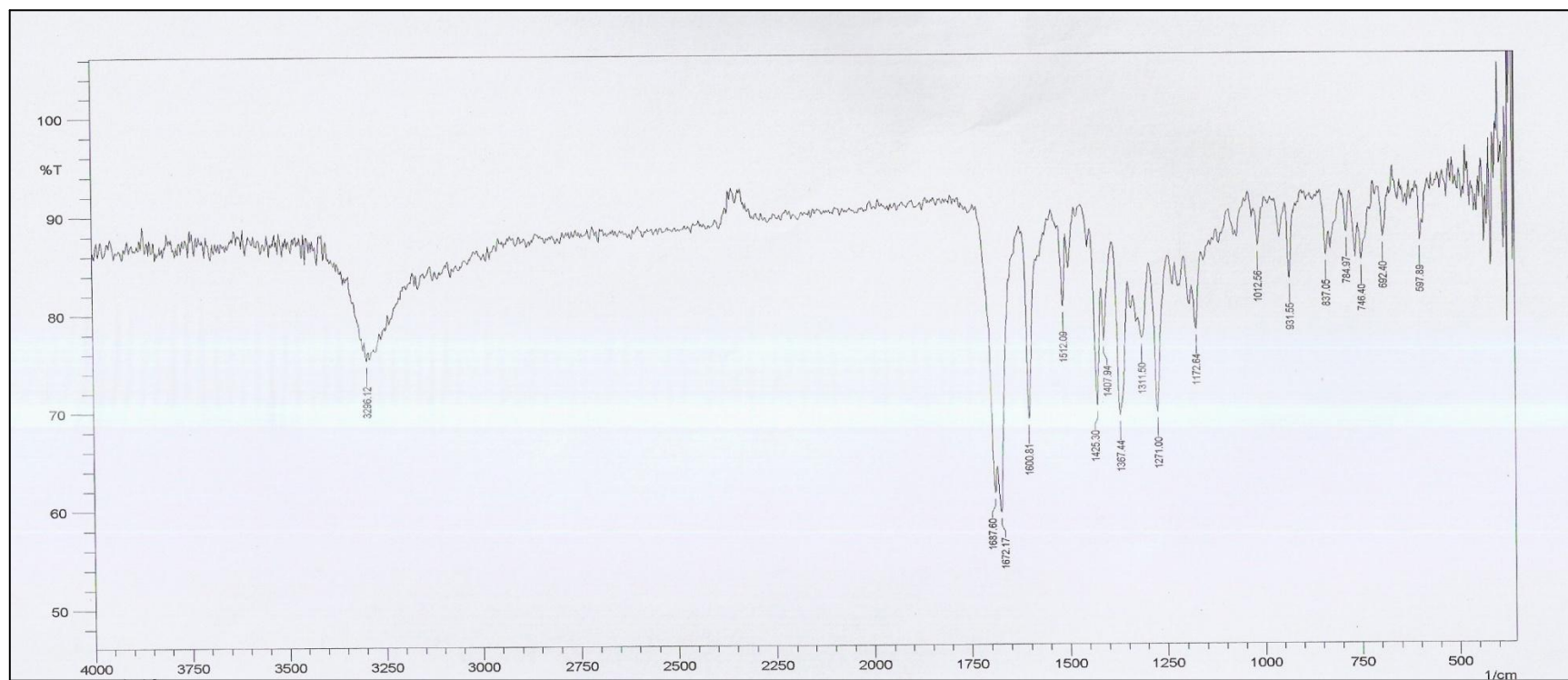
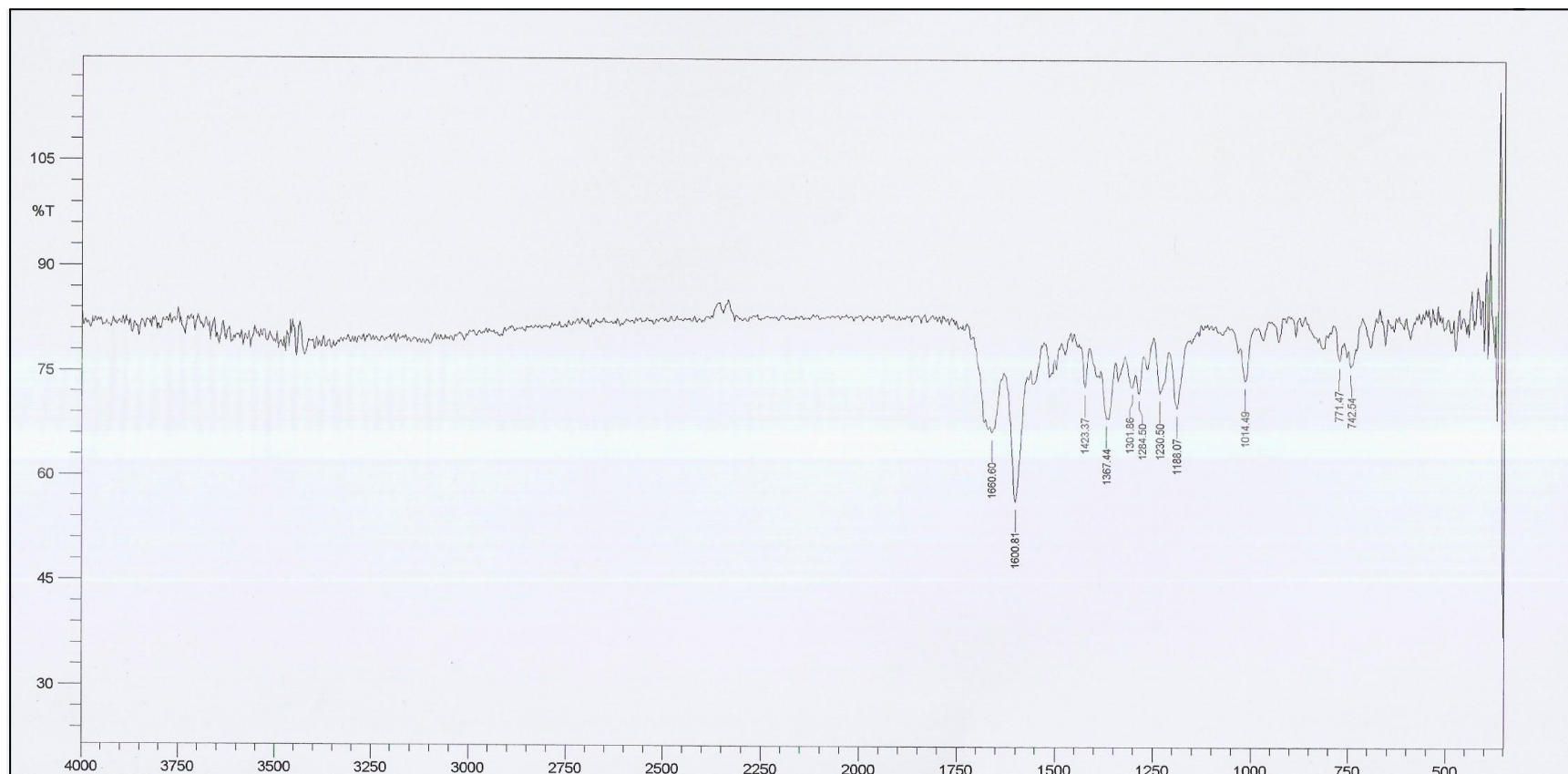


Appendix A

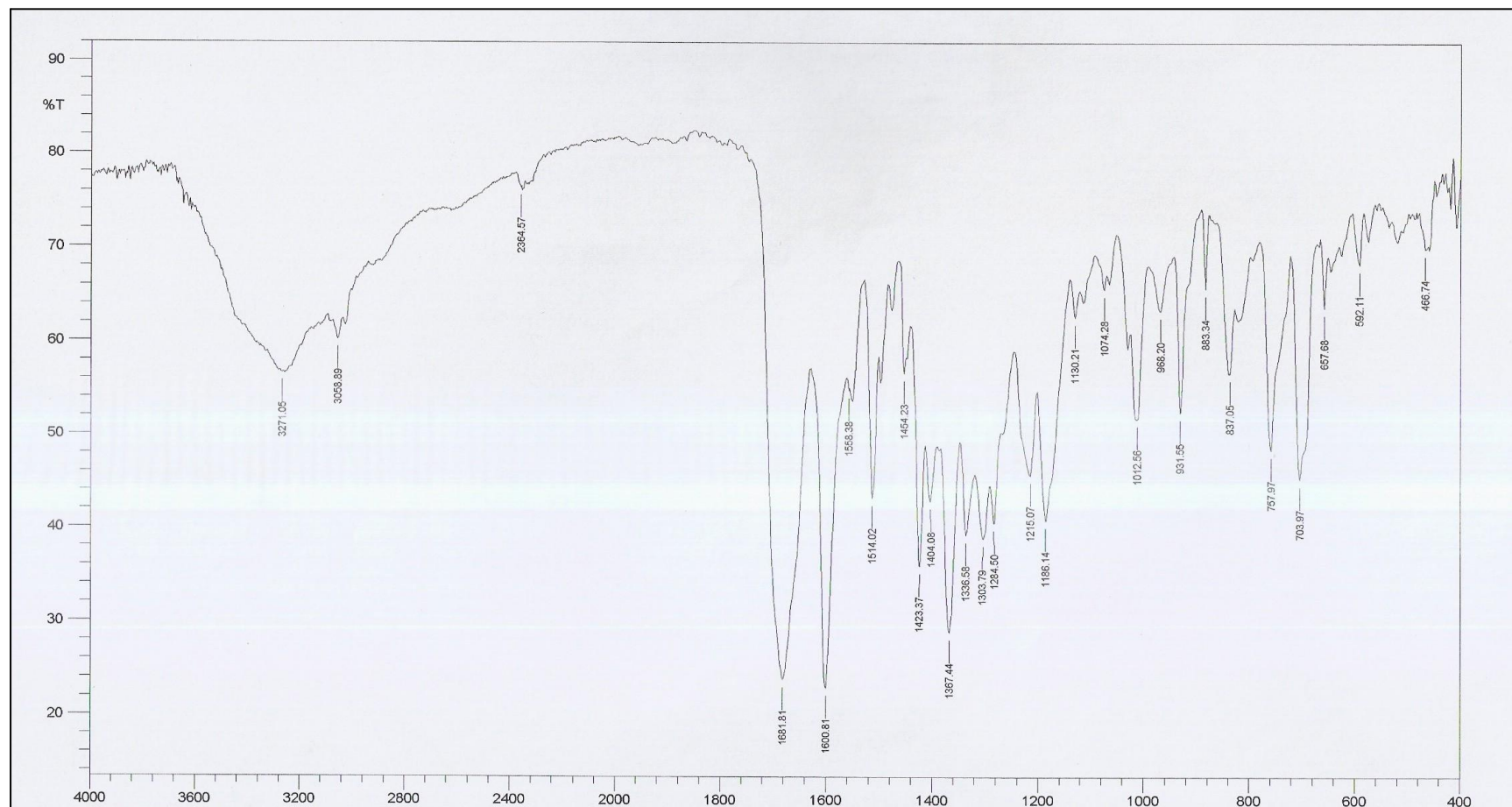
Infra-red spectral data of the prepared compounds:



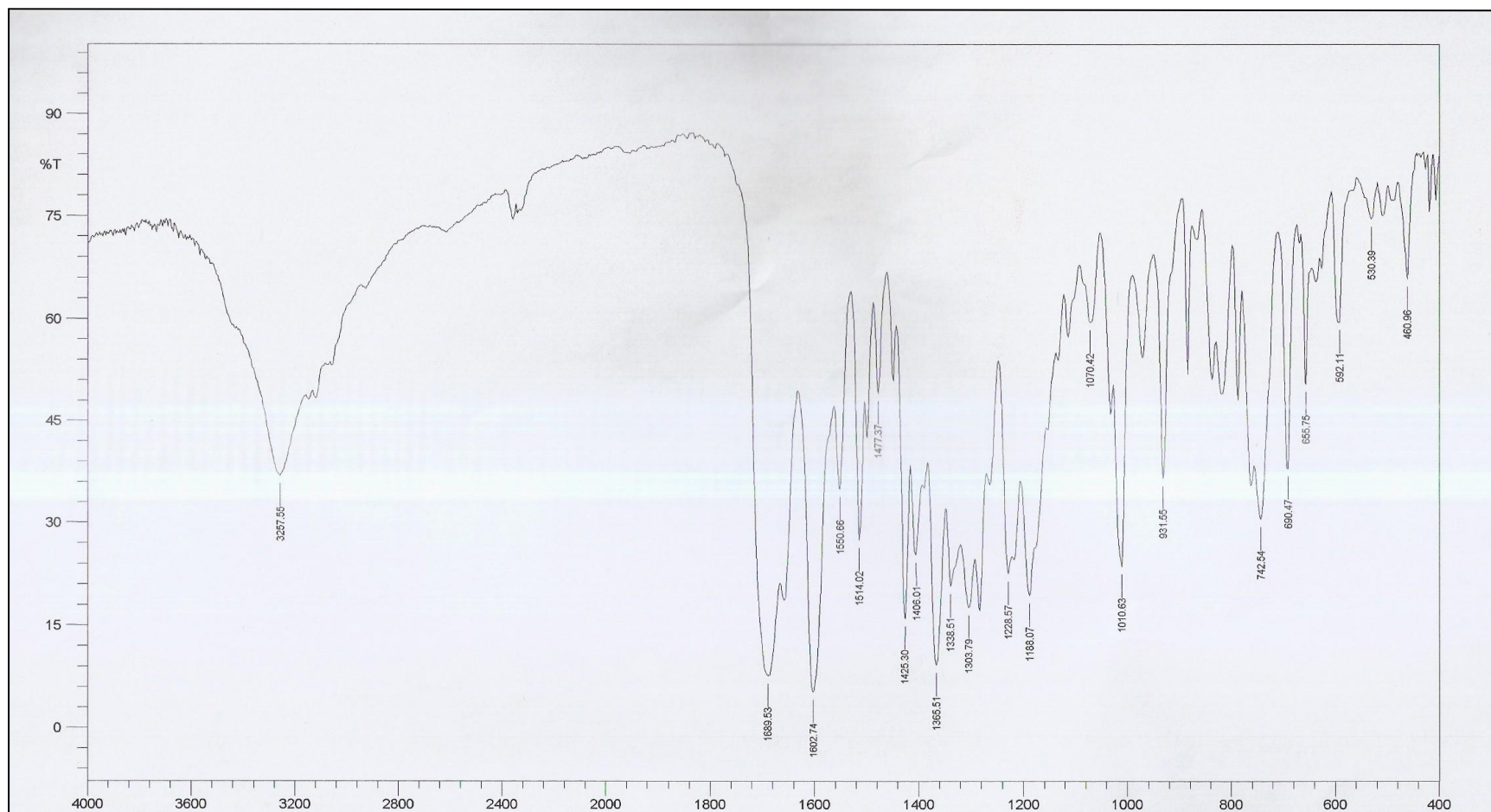
Appendix A.1: IR spectrum of 2-Furyl-3-phenyl-6-acetyl-quinoline-4-carboxylic acid (**II**).



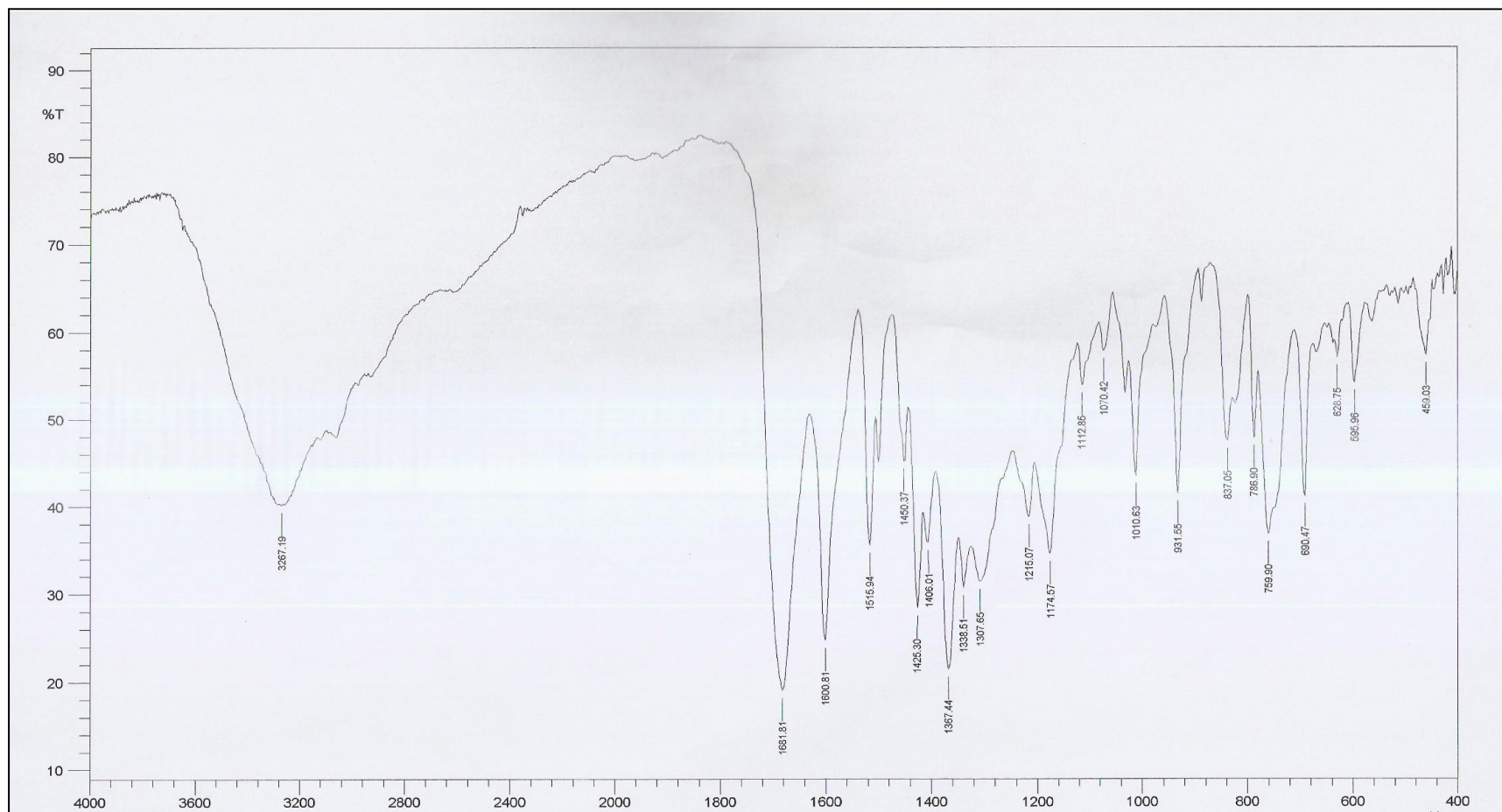
Appendix A.2: IR spectrum of 2-Furyl-3-phenyl-6-(3-furyl-prop-2-en-1-one-1-yl)-quinoline-4-carboxylic acid (VIII).



Appendix A.3: IR spectrum of 2,3-Diphenyl-6-(5-furyl-oxazole-3-yl)-quinoline-4-carboxylic acid (**XIII**).



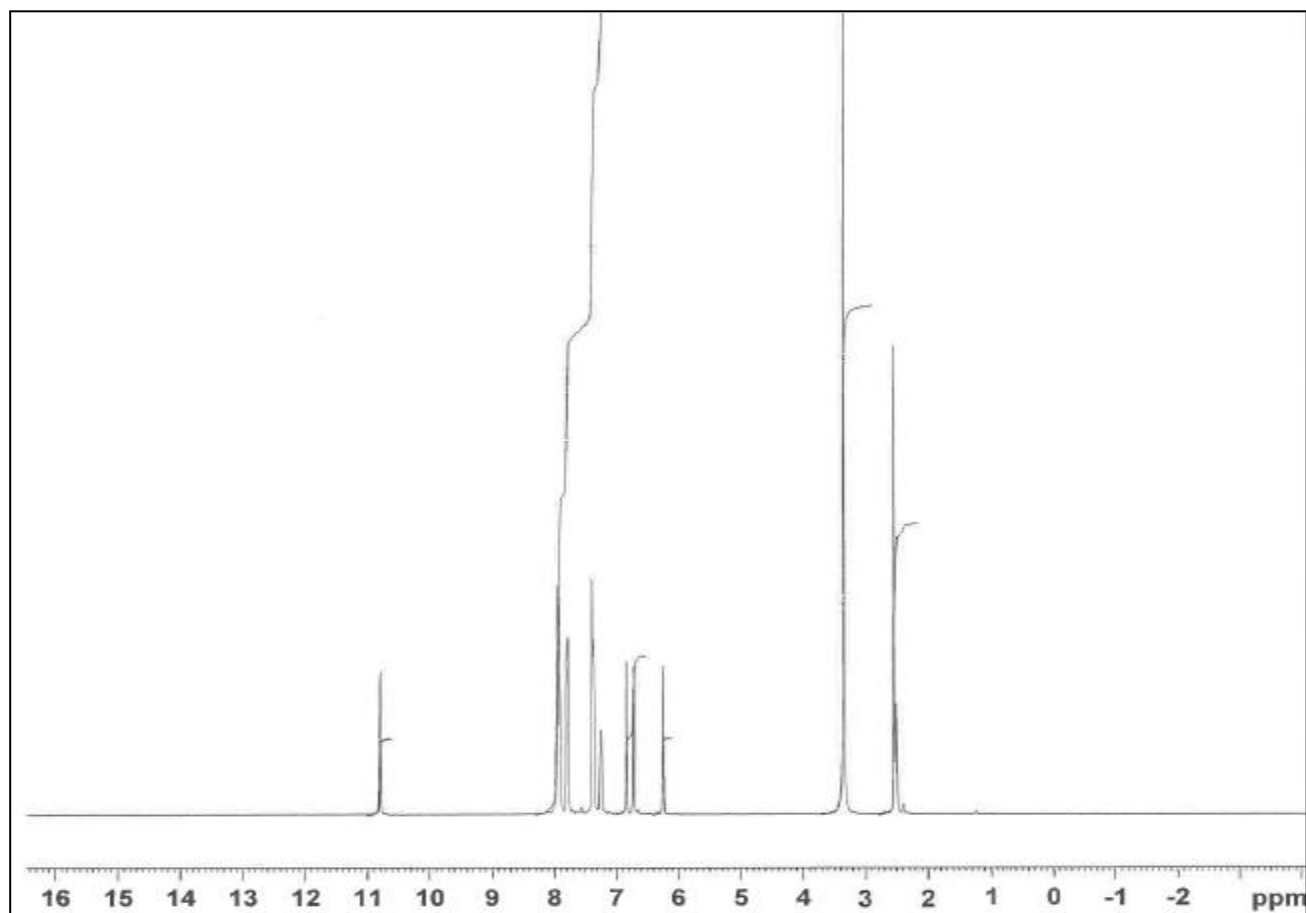
Appendix A.4: IR spectrum of 2-Furyl-3-phenyl-6-(5-furyl-oxazole-3-yl)-quinoline-4-carboxylic acid (**XVII**).



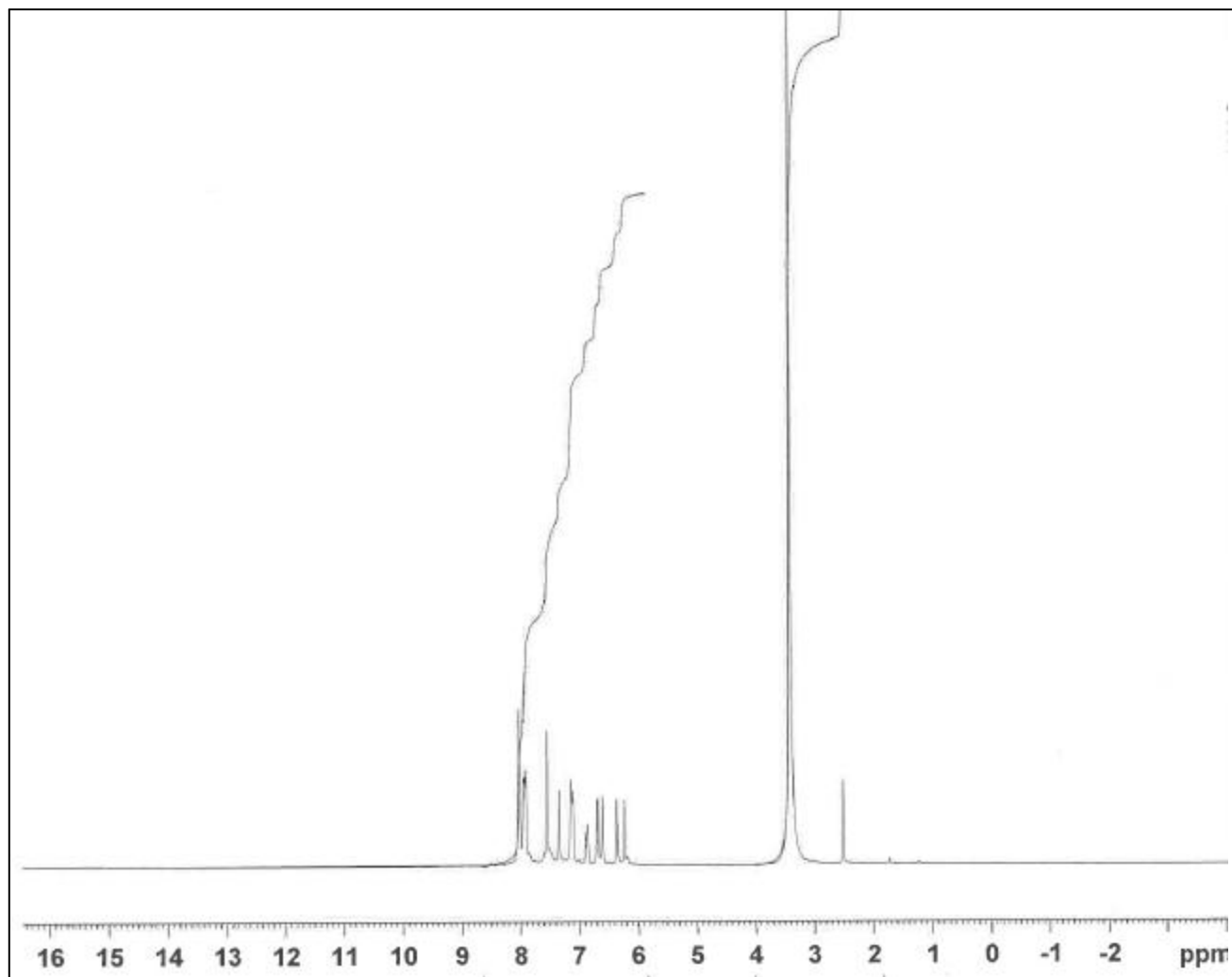
Appendix A.5: IR spectrum of 2-Furyl-3-phenyl-6-(5-[2-hydroxyphenyl]-oxazole-3-yl)-quinoline-4-carboxylic acid (XX).

Appendix B

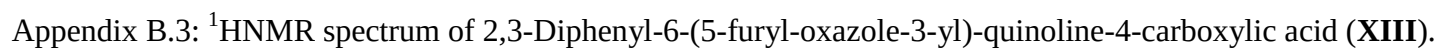
^1H Nuclear magnetic resonance data of the prepared compounds:



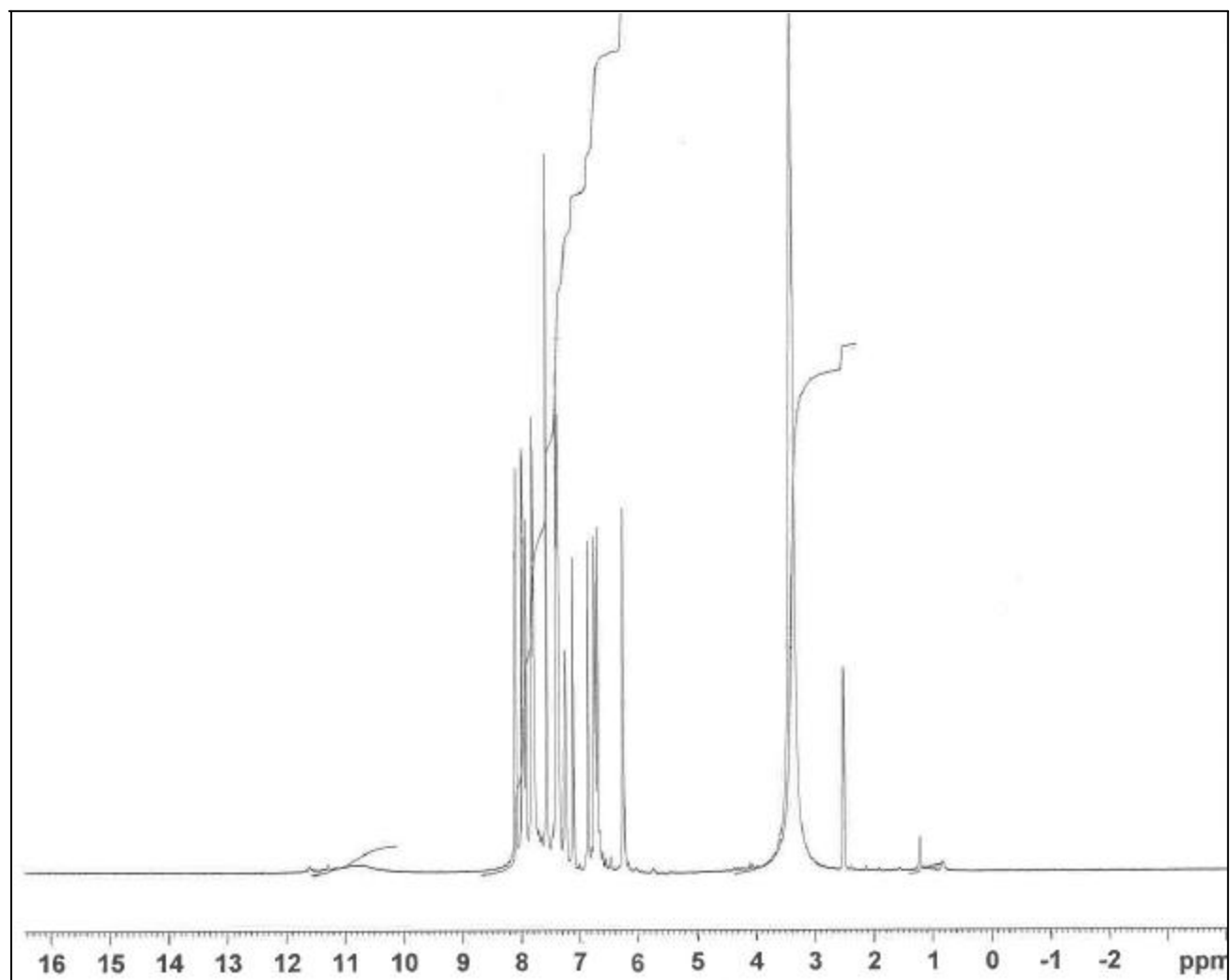
Appendix B.1: ^1H NMR spectrum of 2-Furyl-3-phenyl-6-acetyl-quinoline-4-carboxylic acid (**II**).



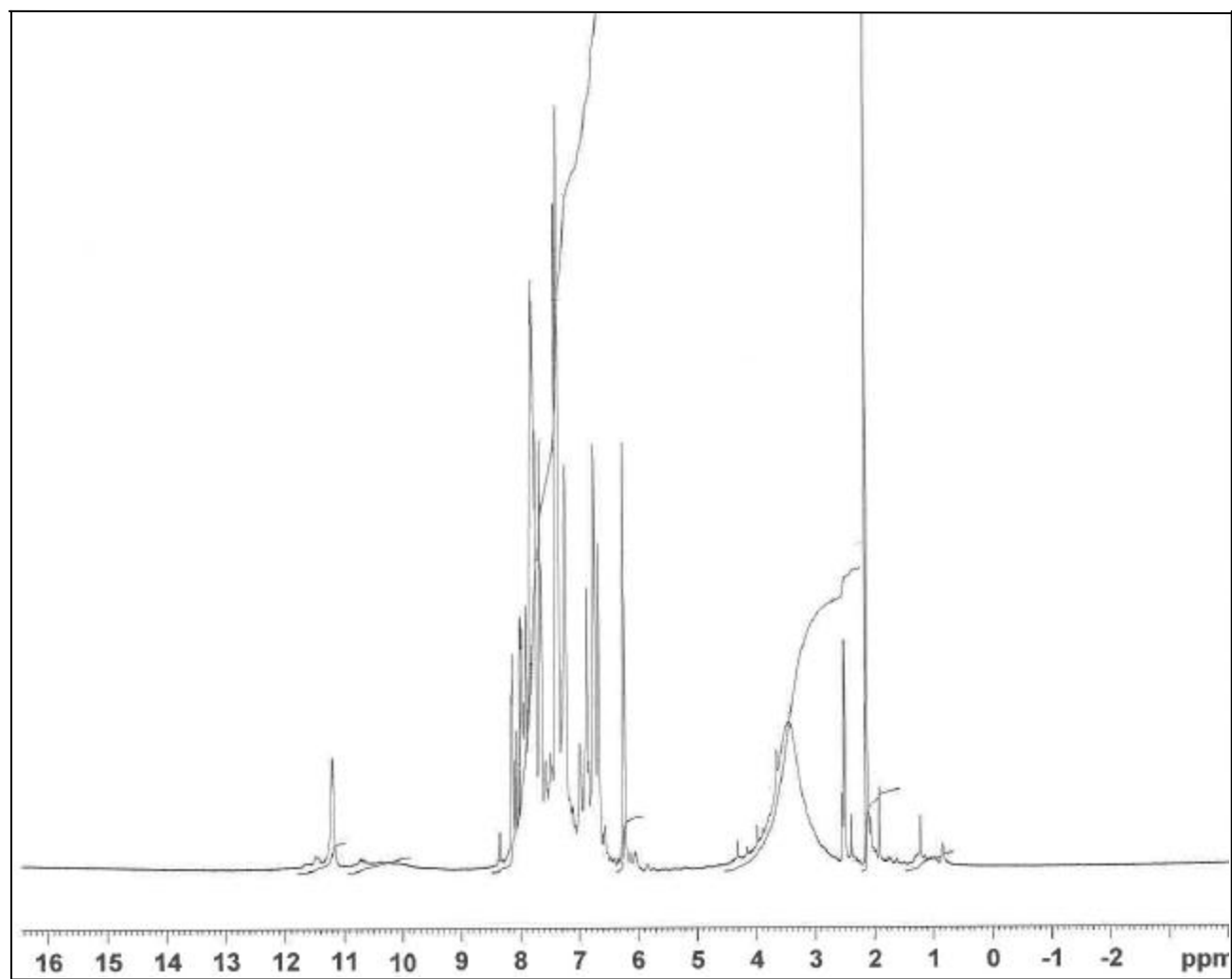
Appendix B.2: ^1H NMR spectrum of 2-Furyl-3-phenyl-6-(3-furyl-prop-2-en-1-one-1-yl)-quinoline-4-carboxylic acid (**VIII**).



Appendix B.3: ¹HNMR spectrum of 2,3-Diphenyl-6-(5-furyl-oxazole-3-yl)-quinoline-4-carboxylic acid (**XIII**).



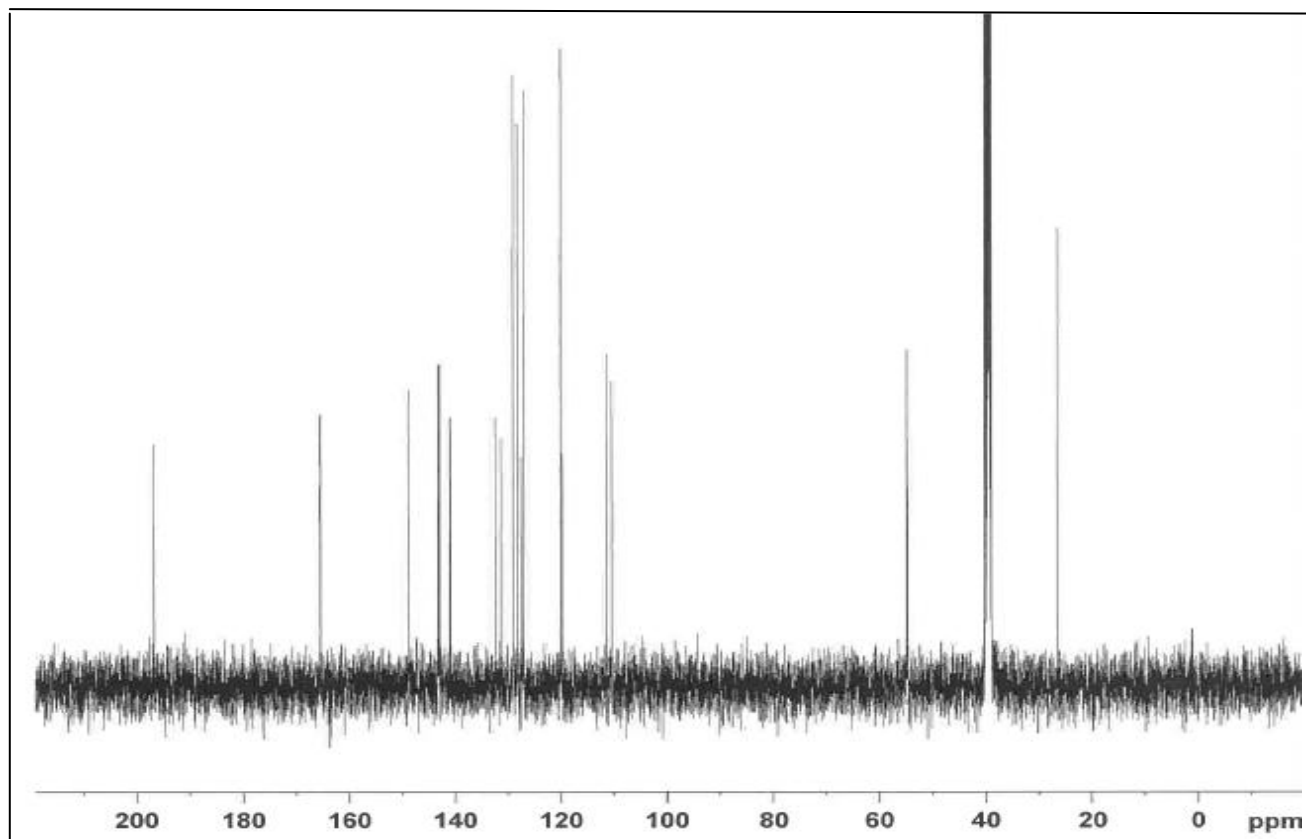
Appendix B.4: ^1H NMR spectrum of 2-Furyl-3-phenyl-6-(5-furyl-oxazole-3-yl)-quinoline-4-carboxylic acid (**XVII**).



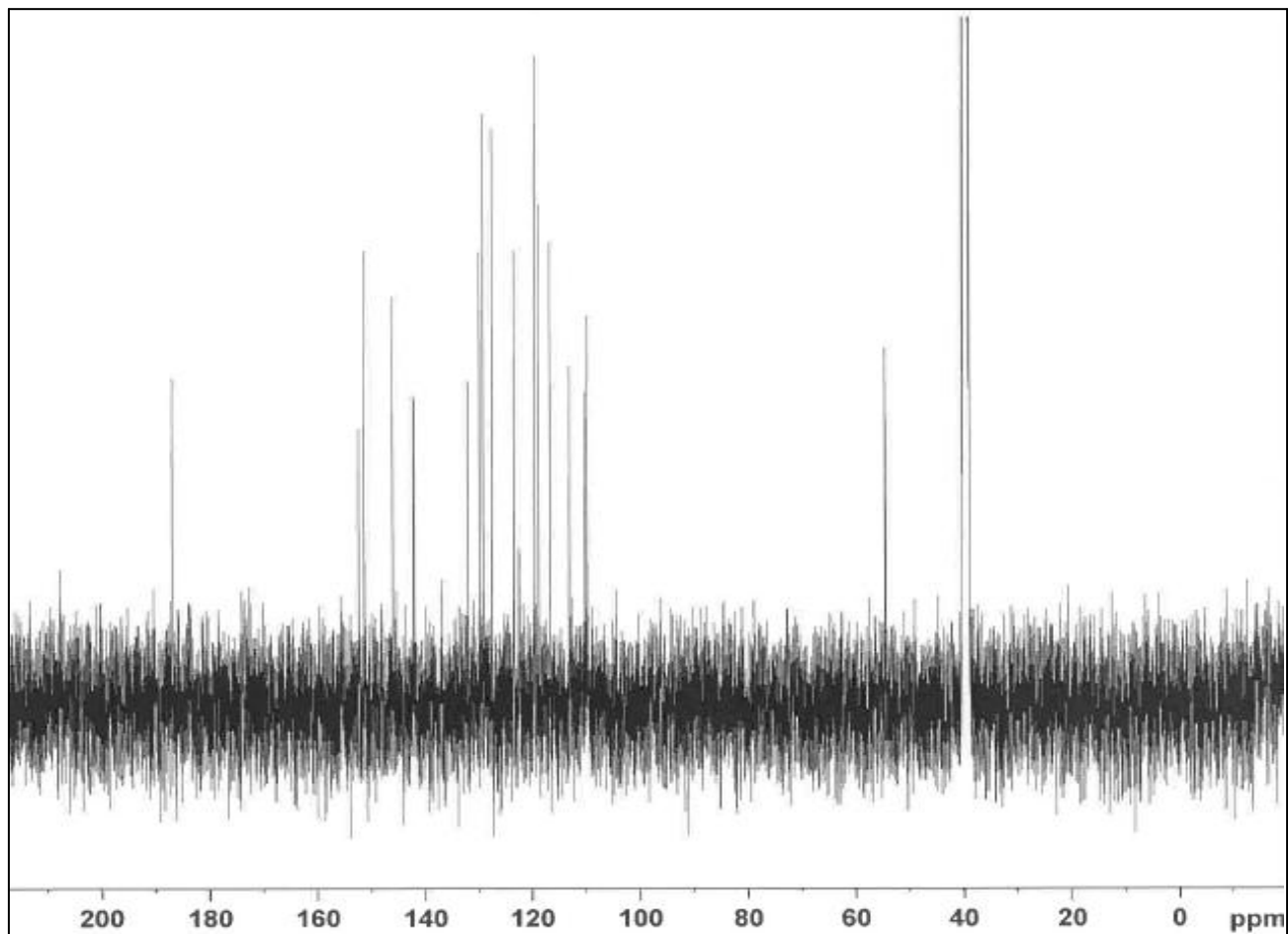
Appendix B.5: ^1H NMR spectrum of 2-Furyl-3-phenyl-6-(5-[2-hydroxyphenyl]-oxazole-3-yl)-quinoline-4-carboxylic acid (**XX**).

Appendix C

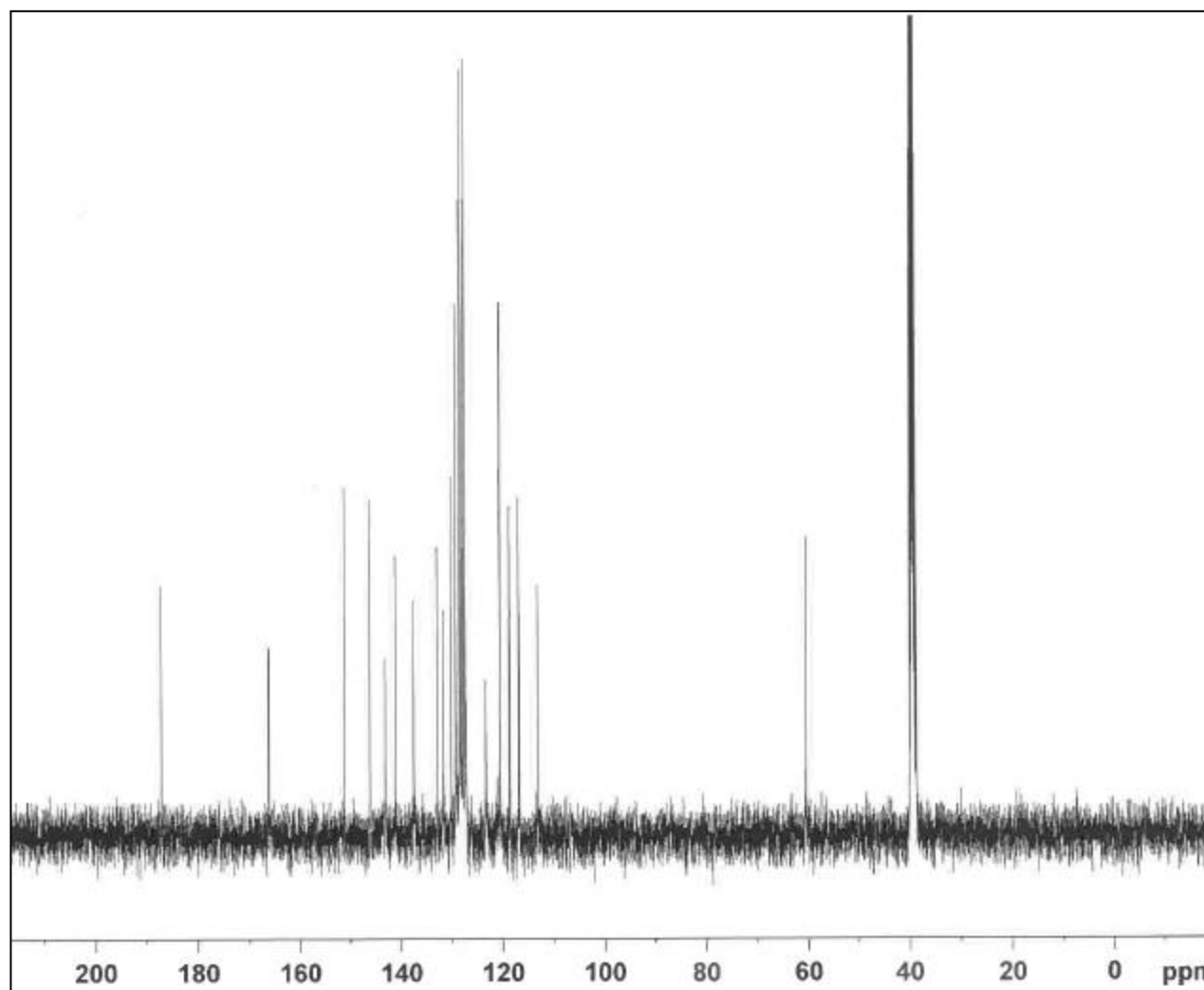
^{13}C Nuclear magnetic resonance data of the prepared compounds:



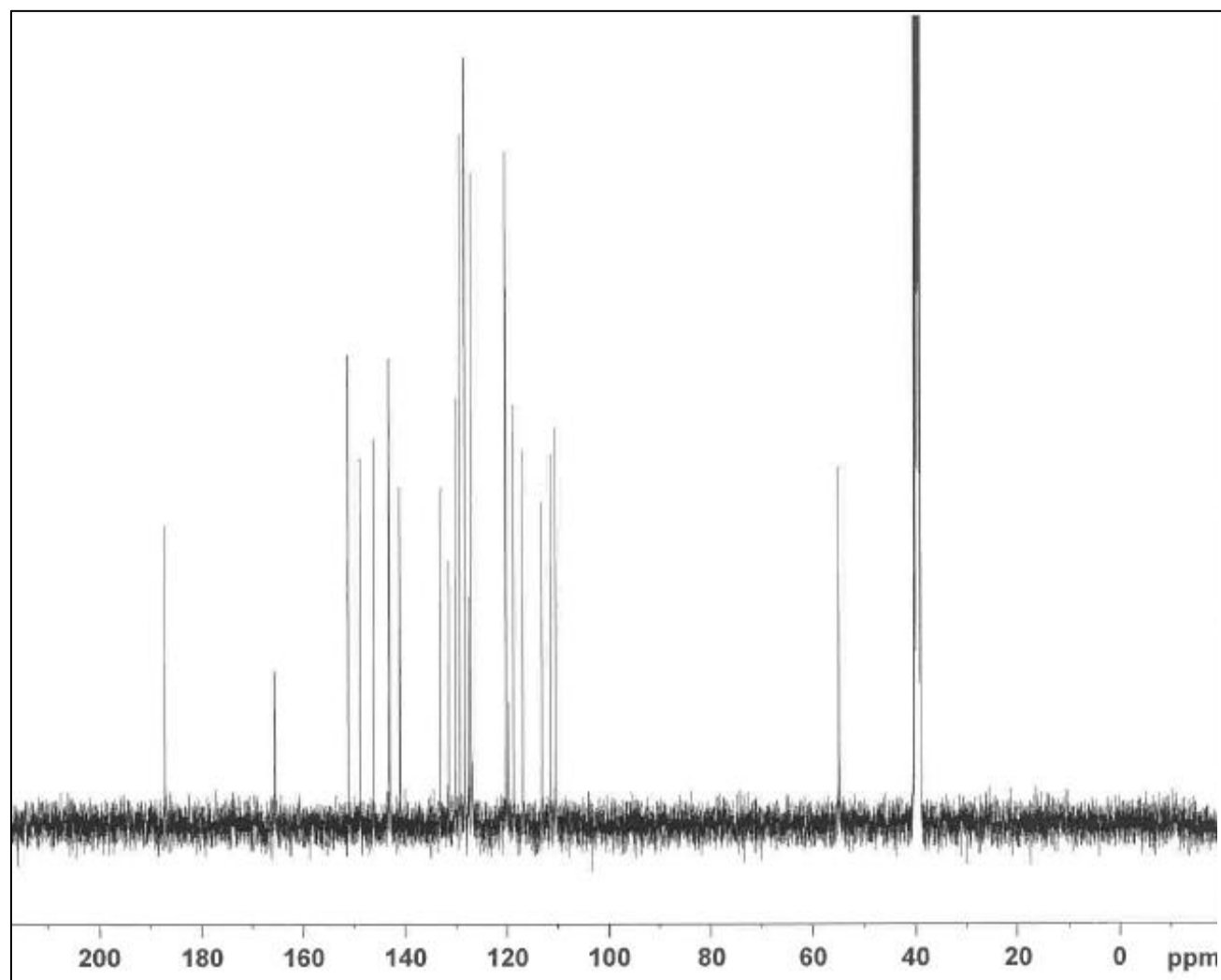
Appendix C.1: ^{13}C NMR spectrum of 2-Furyl-3-phenyl-6-acetyl-quinoline-4-carboxylic acid (**II**).



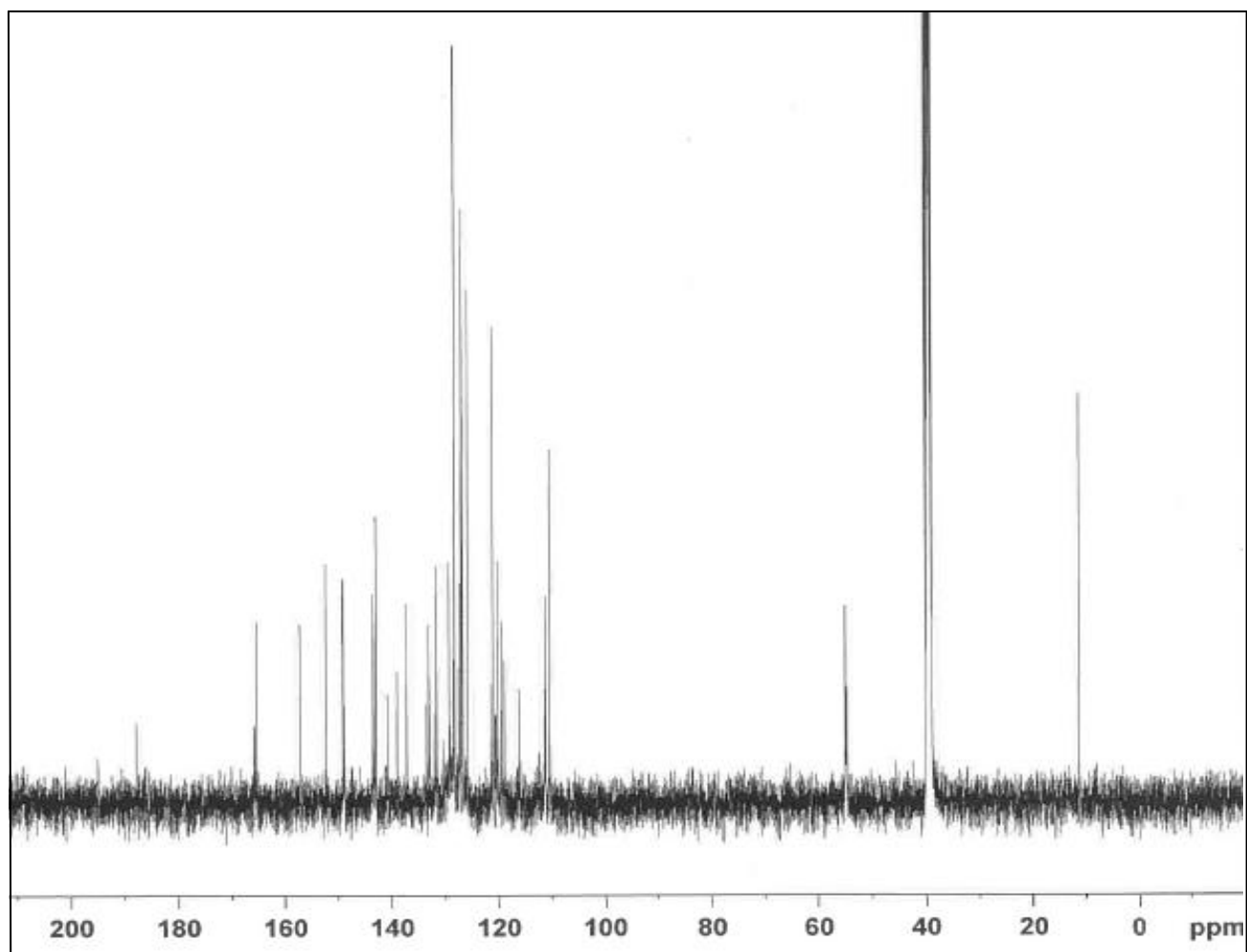
Appendix C.2: ^{13}C NMR spectrum of 2-Furyl-3-phenyl-6-(3-furyl-prop-2-en-1-one-1-yl)-quinoline-4-carboxylic acid (**VIII**).



Appendix C.3: ^{13}C NMR spectrum of 2,3-Diphenyl-6-(5-furyl-oxazole-3-yl)-quinoline-4-carboxylic acid (**XIII**).



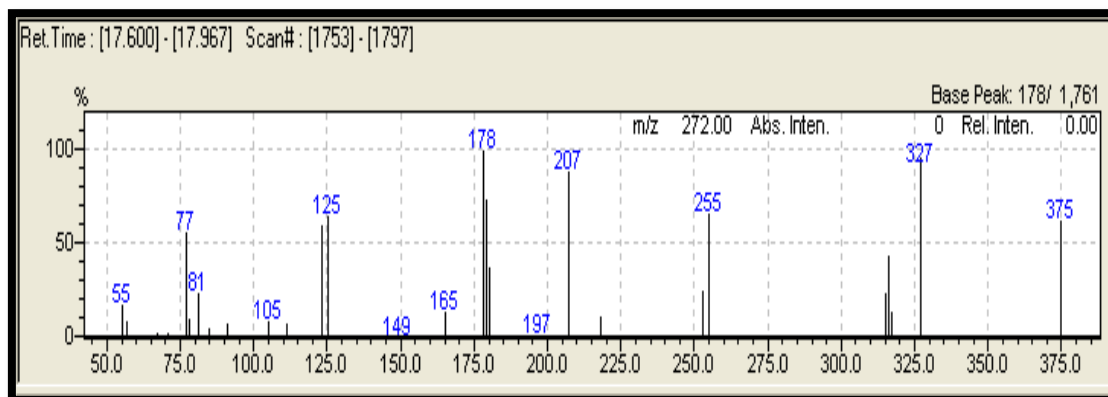
Appendix C.4: ^{13}C NMR spectrum of 2-Furyl-3-phenyl-6-(5-furyl-oxazole-3-yl)-quinoline-4-carboxylic acid (**XVII**).



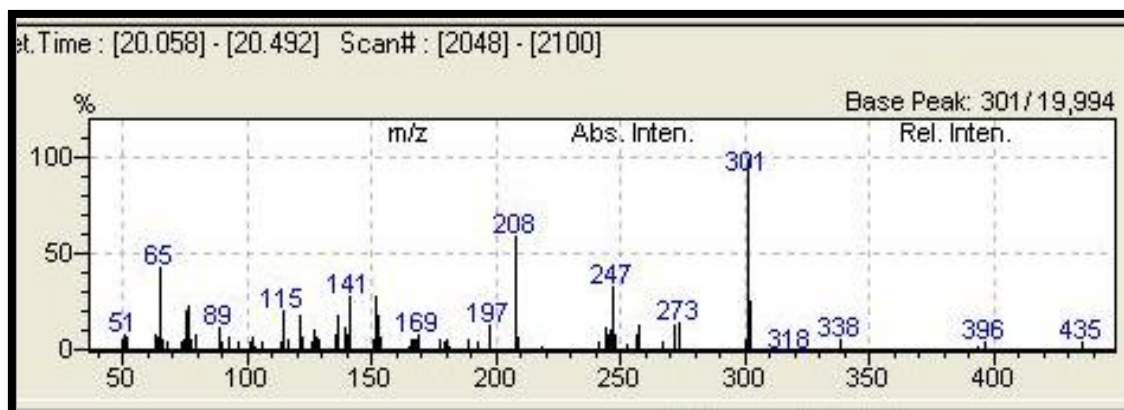
Appendix C.5: ^{13}C NMR spectrum of 2-Furyl-3-phenyl-6-(5-[2-hydroxyphenyl]-oxazole-3-yl)-quinoline-4-carboxylic acid (**XX**).

Appendix D

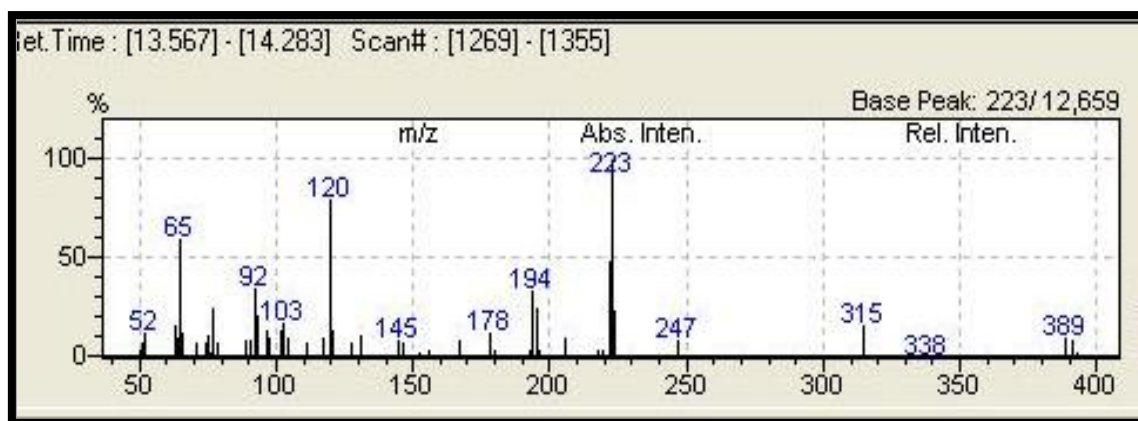
Mass spectral data of the prepared compounds:



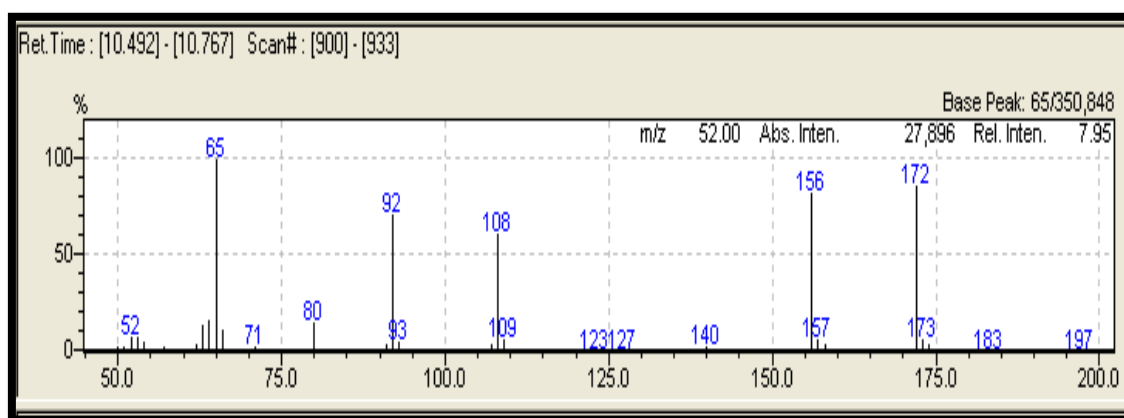
Appendix D.1: MS spectrum of 2,3-Diphenyl-6-(5,6-dimethoxy-4-sulphamido-pyrimidine)-quinoline-4-carboxylic acid (XXIII).



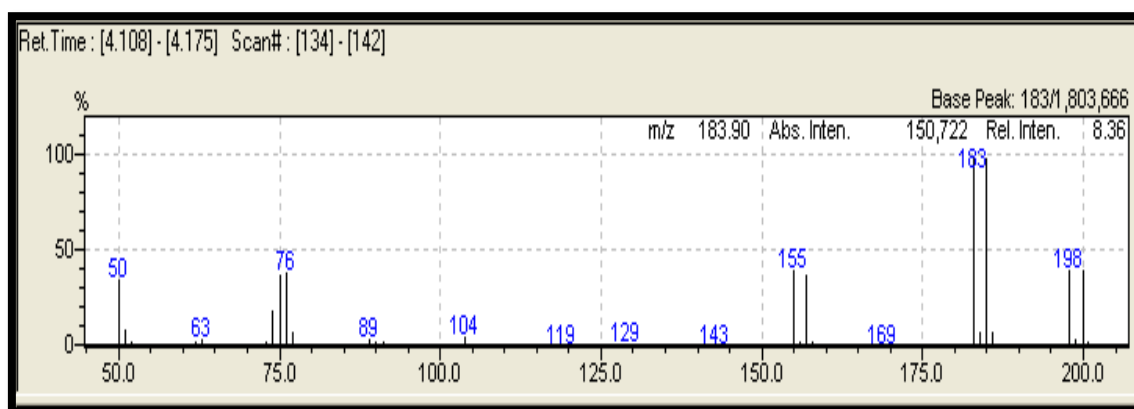
Appendix D.2: MS spectrum of 2,3-Diphenyl-6-(3-furyl-prop-2-en-1-one-1-yl)-quinoline-4-carboxylic acid (IV).



Appendix D.3: MS spectrum of 2,3-Diphenyl-6-(3-[3-N,N-dimethylamino phenyl]-prop-2-en-1-one-1-yl)-quinoline-4-carboxylic acid (**VI**).



Appendix D.4: MS spectrum of 2,4-Dimethyl quinoline-6-sulphamide (**XXIV**).



Appendix D.5: MS spectrum of 4-Methyl-2-hydroxyquinoline-6-sulphamide (**XXV**).