

Supplementary Information

Design, synthesis and *in vitro* antimicrobial activity of fused
pyridine-pyrimidine hybrids

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^1H NMR, ^{13}C NMR, IR, and mass spectra

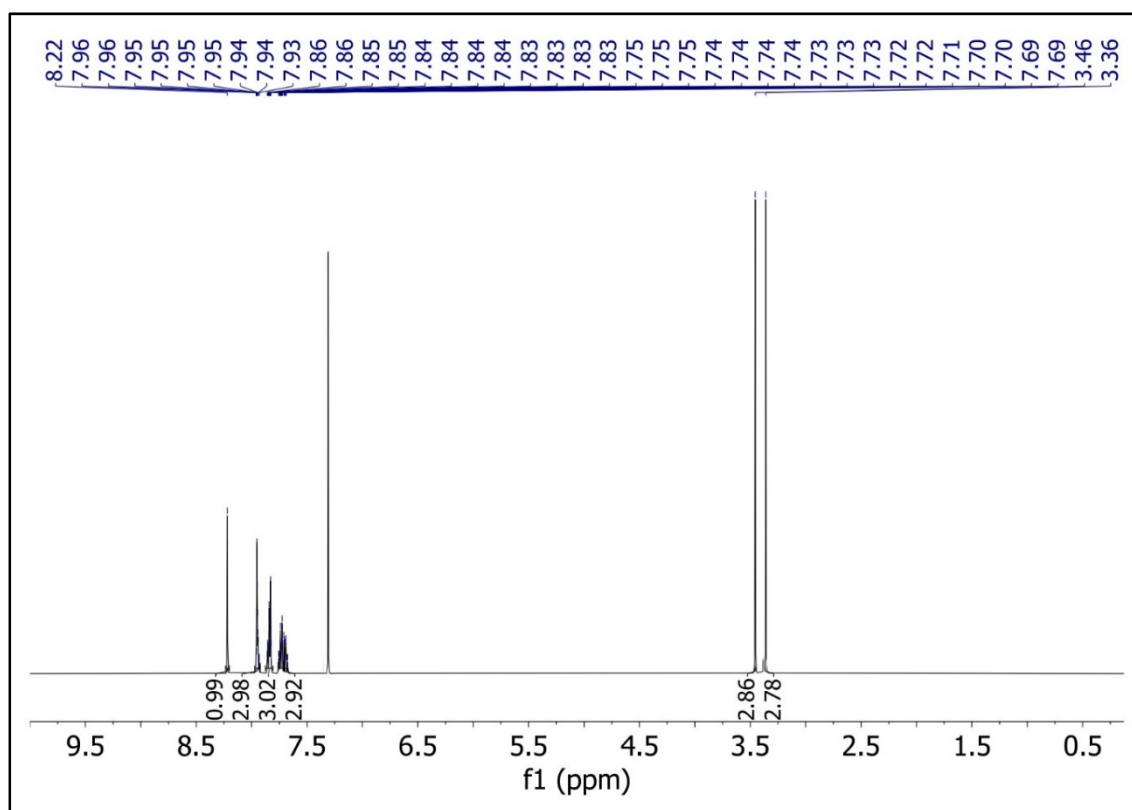


Figure 1S — ^1H NMR spectra of compound 4a

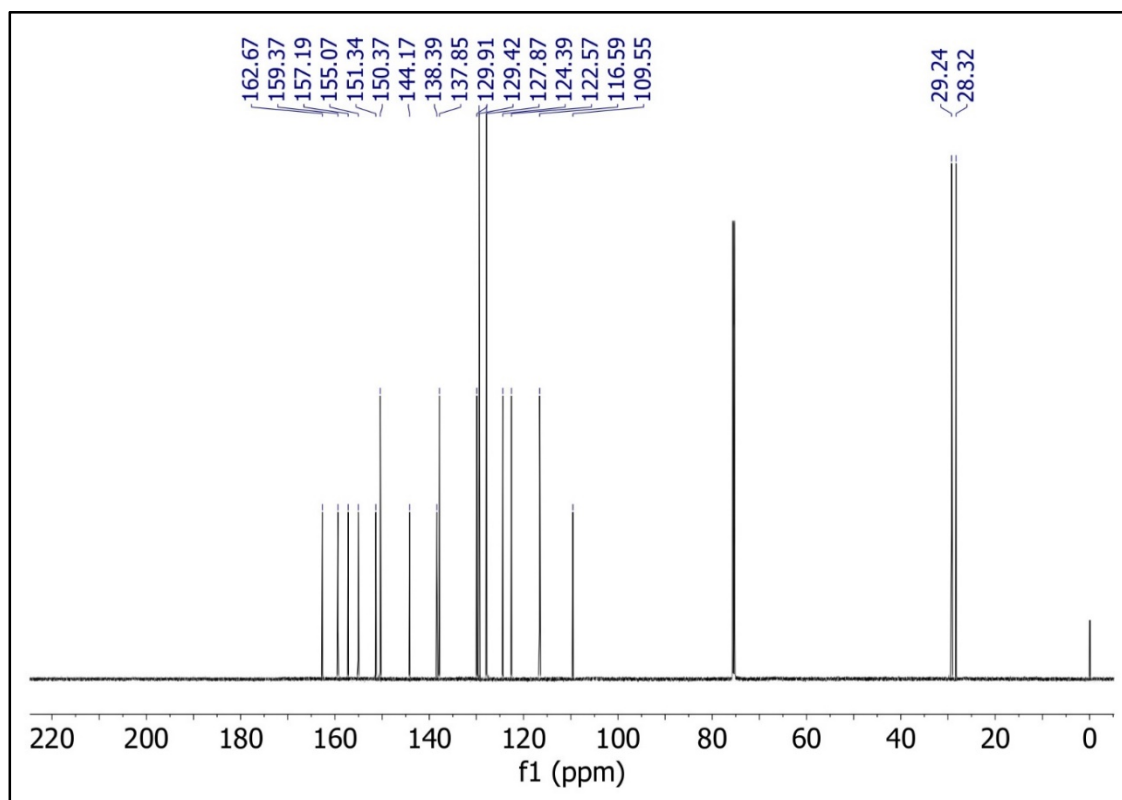


Figure 2S — ^{13}C NMR spectra of compound 4a

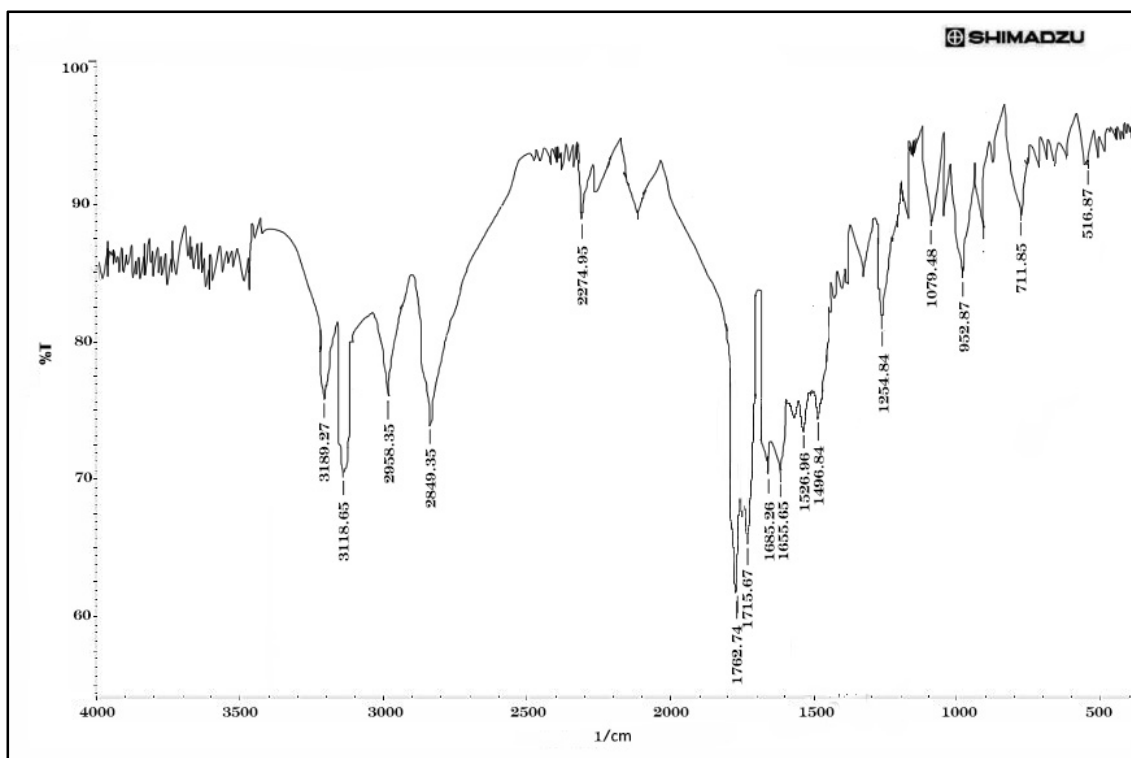


Figure 3S — ^{13}C NMR spectra of compound 4a

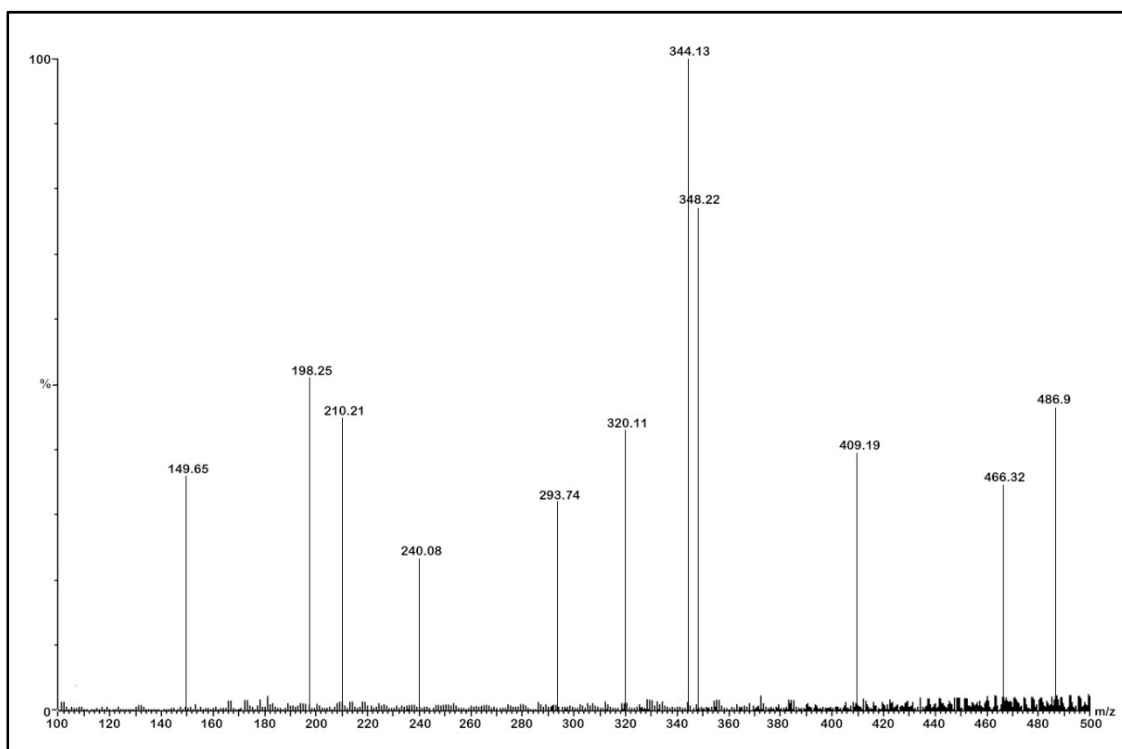


Figure 4S — Mass spectra of compound 4a

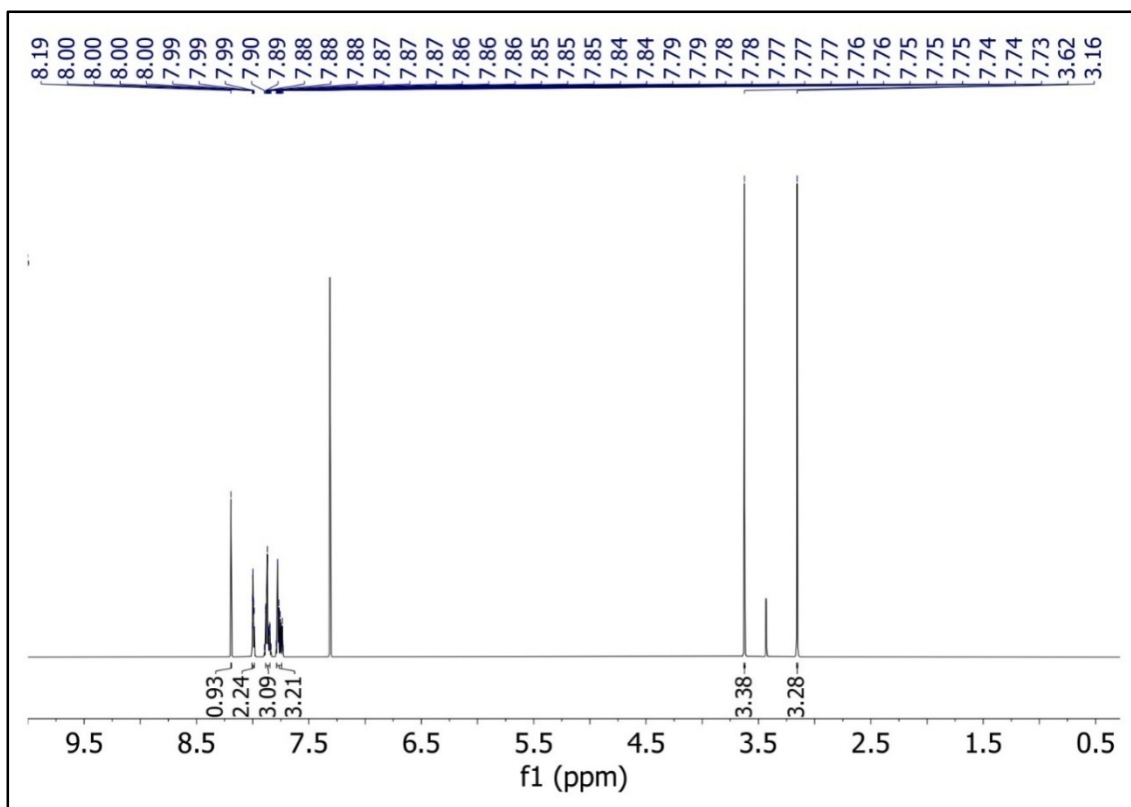


Figure 5S — ¹H NMR spectra of compound 4b

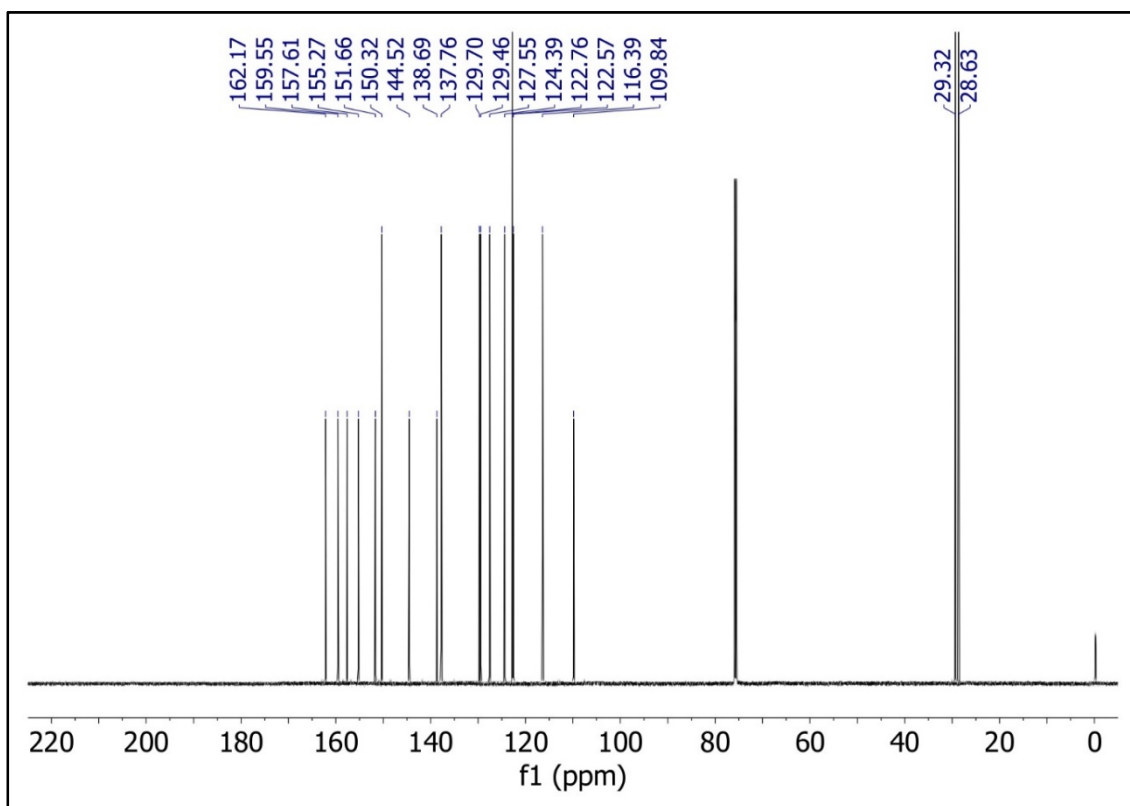


Figure 6S — ¹³C NMR spectra of compound 4b

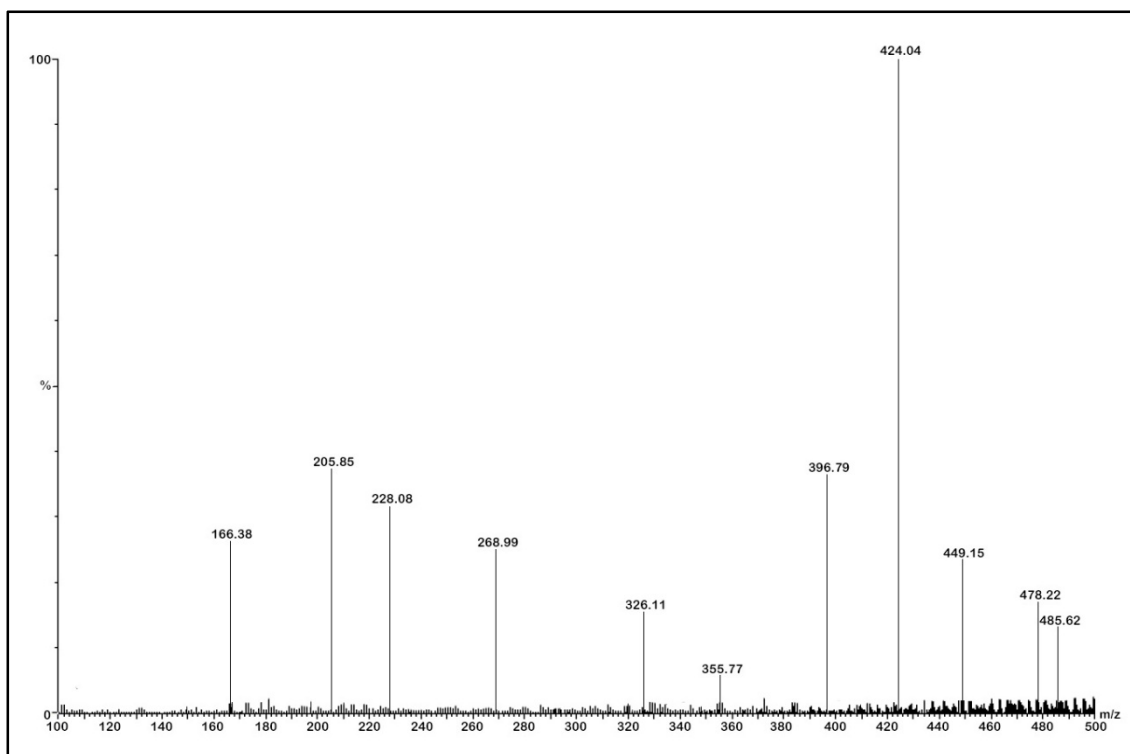


Figure 7S—Mass spectra of compound 4b

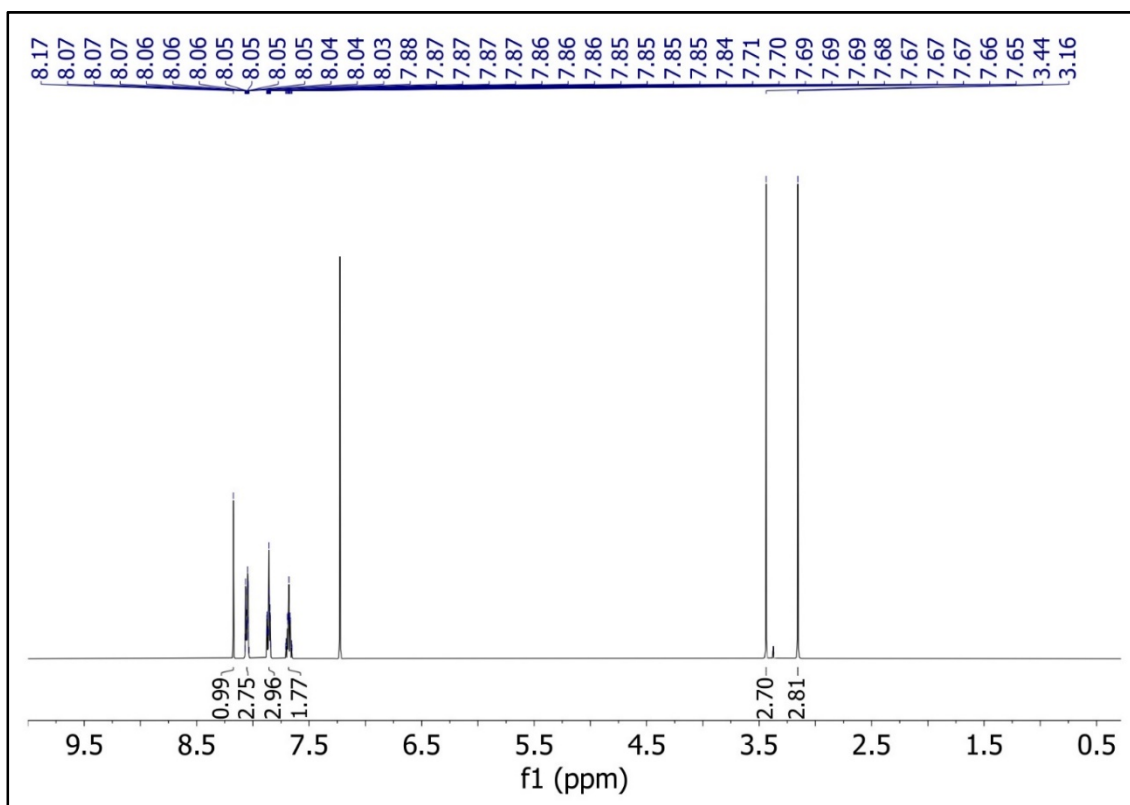


Figure 8S — ¹H NMR spectra of compound 4d

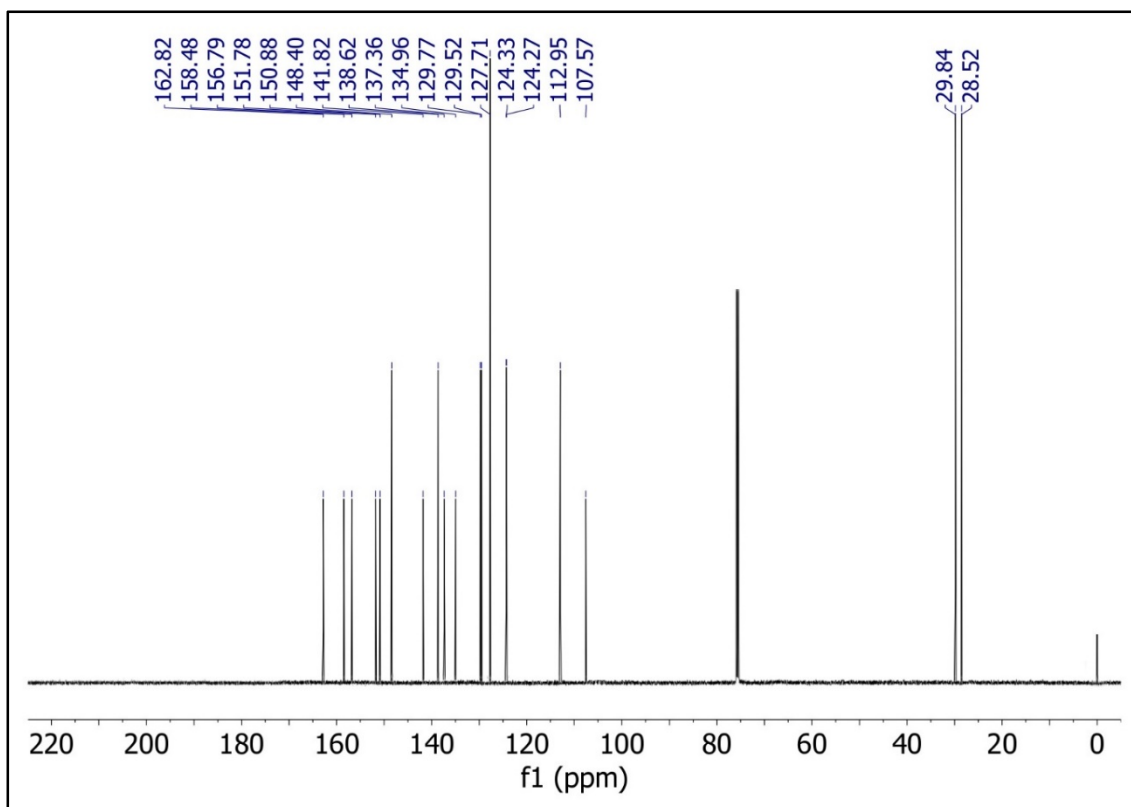


Figure 9S — ¹³C NMR spectra of compound 4d

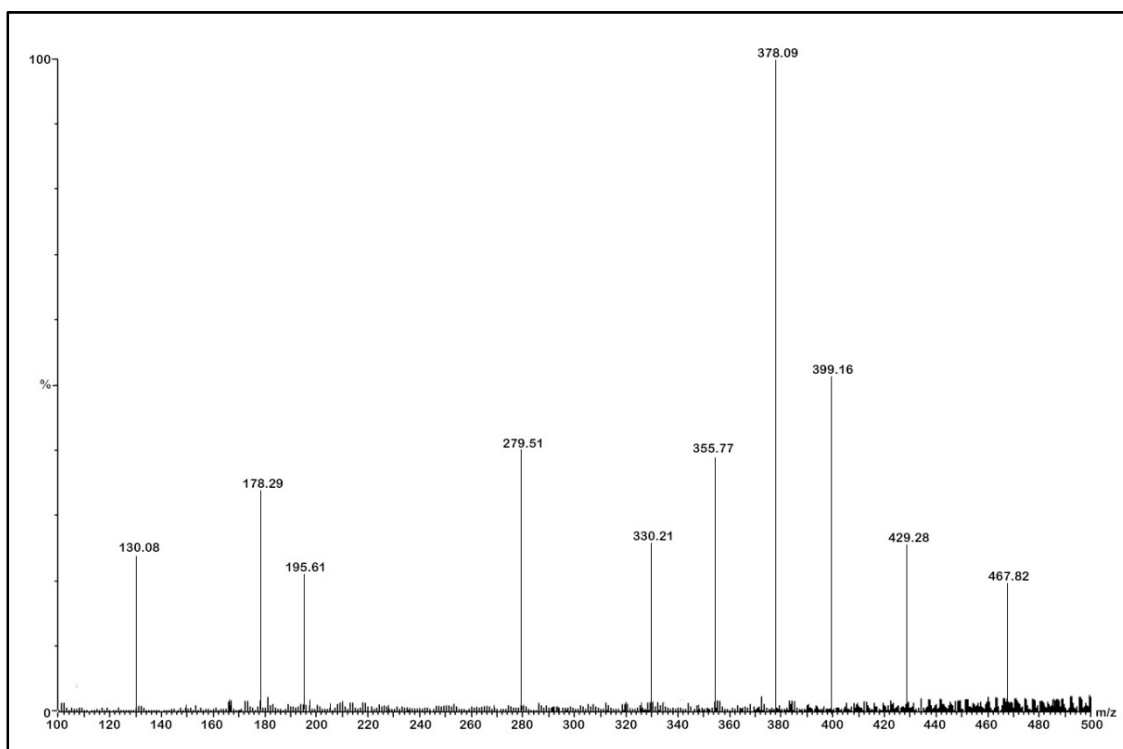


Figure 10S — Mass spectra of compound 4d

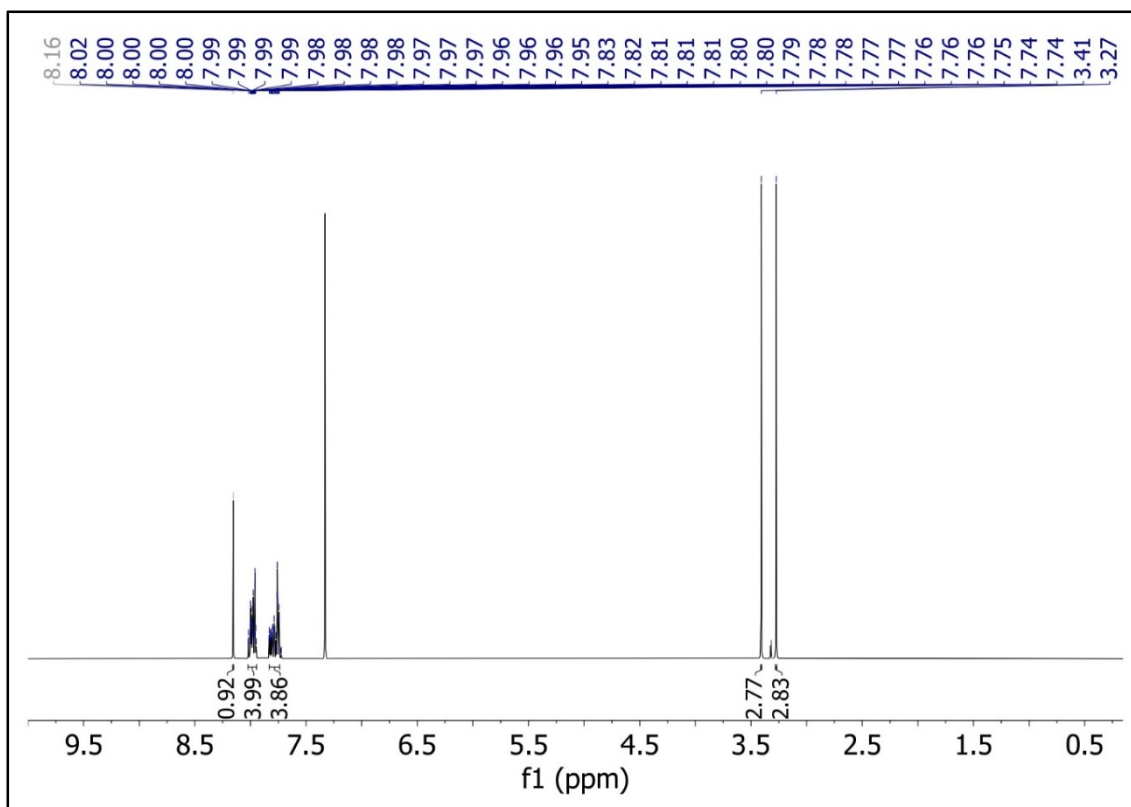


Figure 11S — ^1H NMR spectra of compound 4f

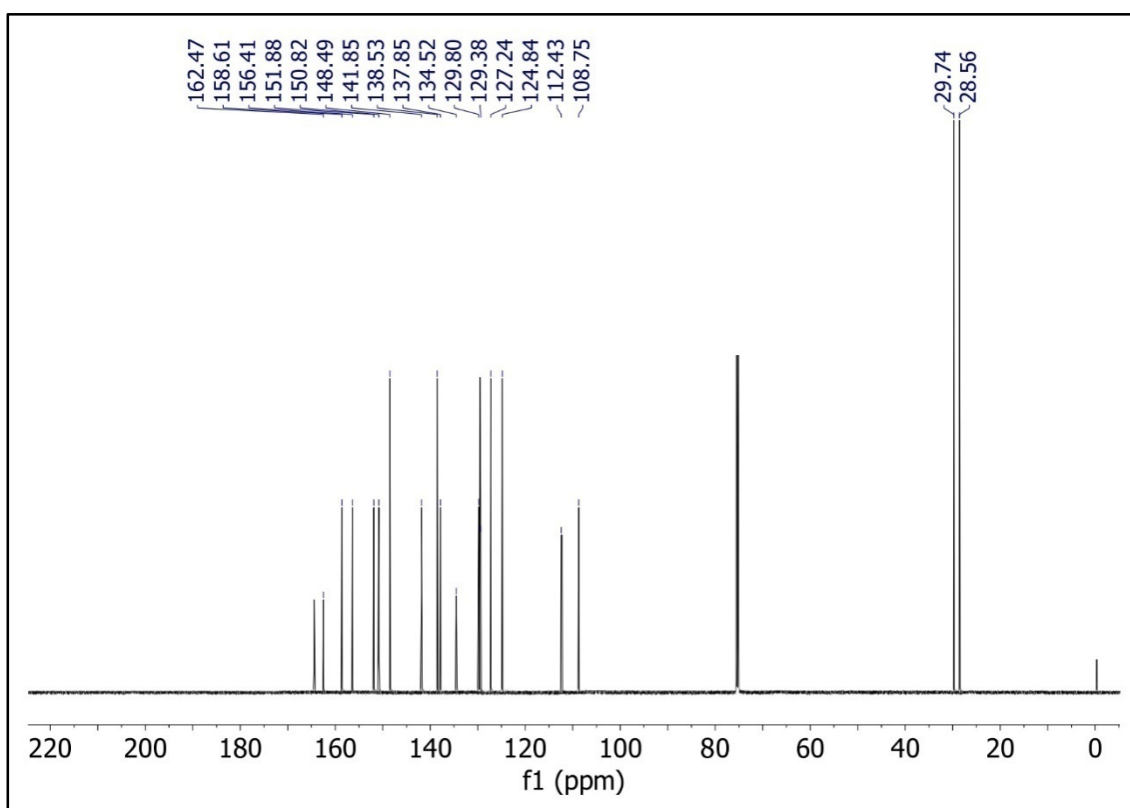


Figure 12S — ^{13}C NMR spectra of compound 4f

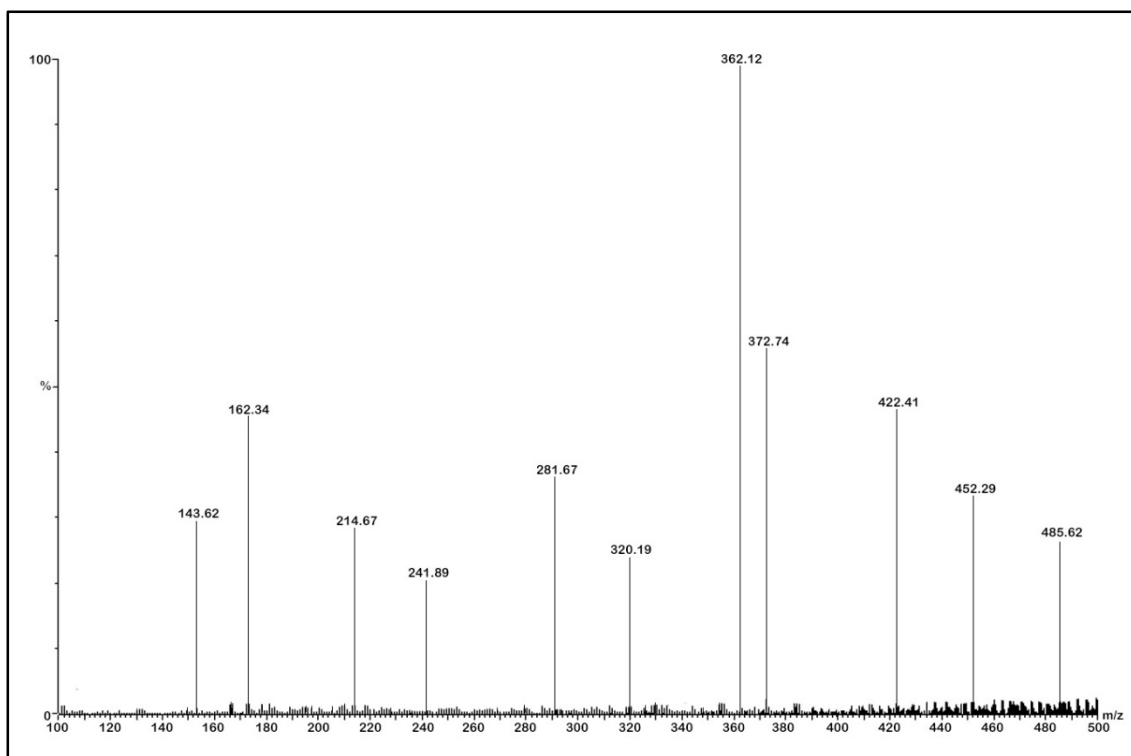


Figure 13S — Mass spectra of compound 4f

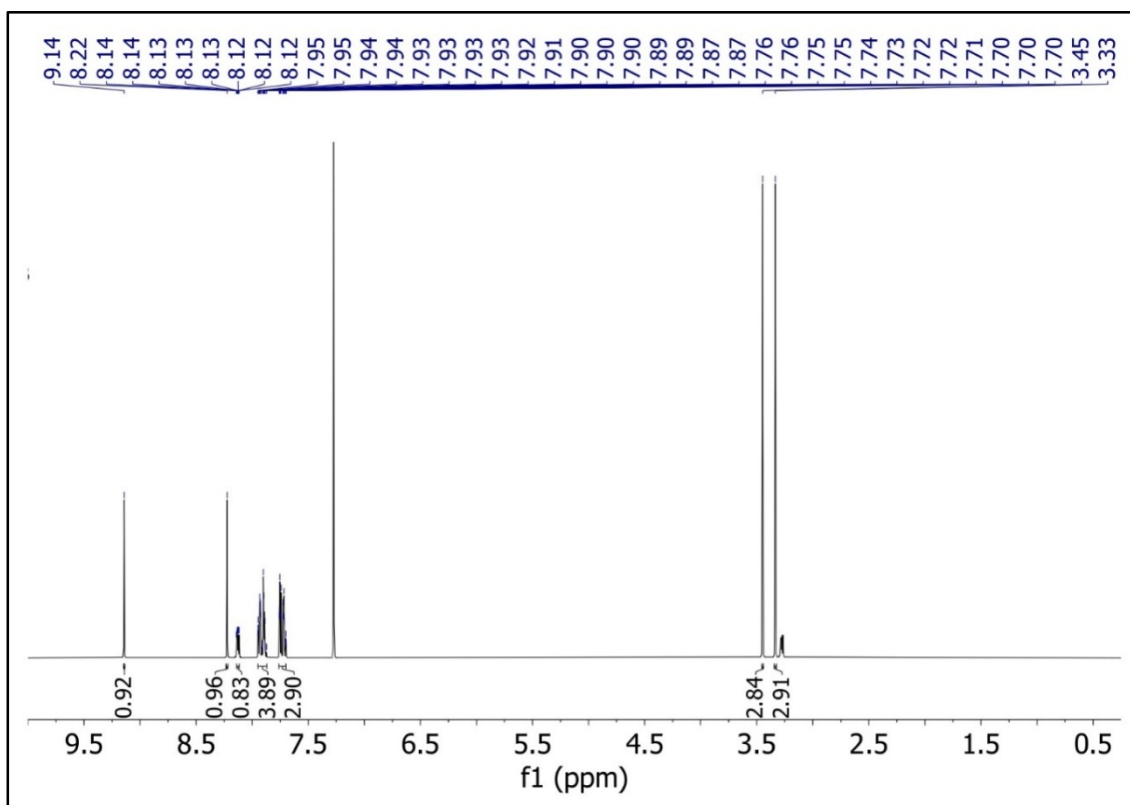


Figure 14S — ¹H NMR spectra of compound 4g

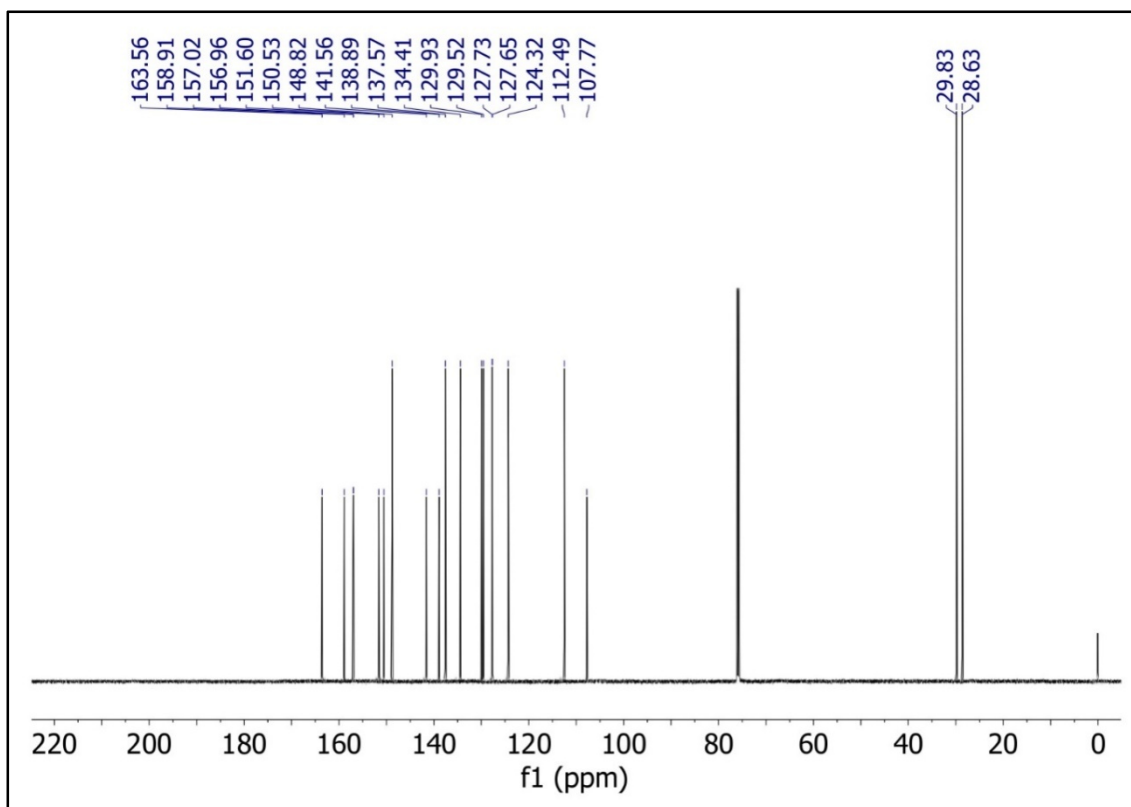


Figure 15S — ^{13}C NMR spectra of compound 4g

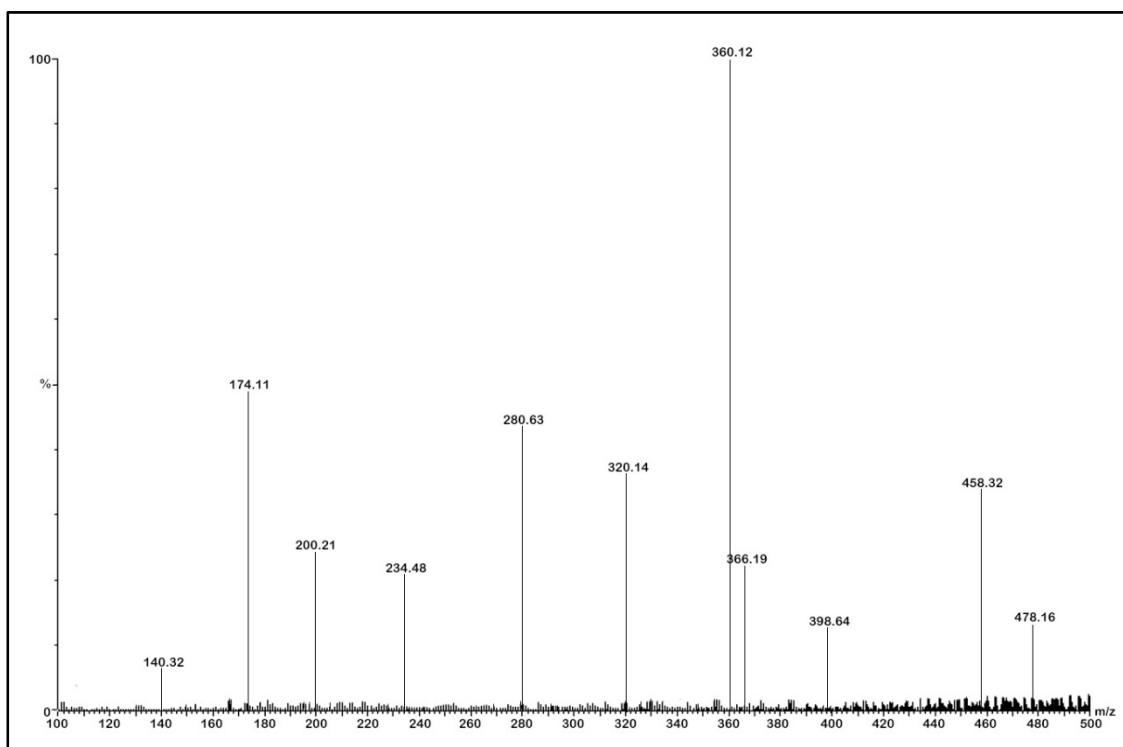


Figure 16S — Mass spectra of compound 4g

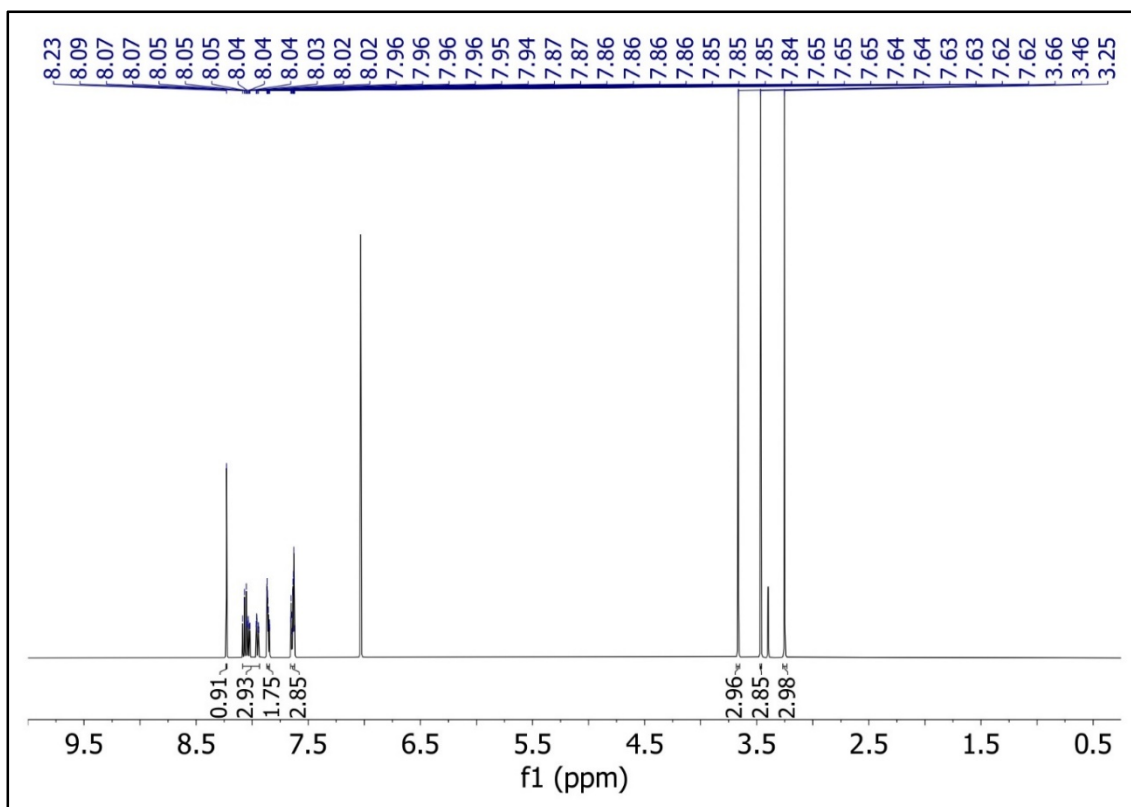


Figure 17S — ¹H NMR spectra of compound 4j

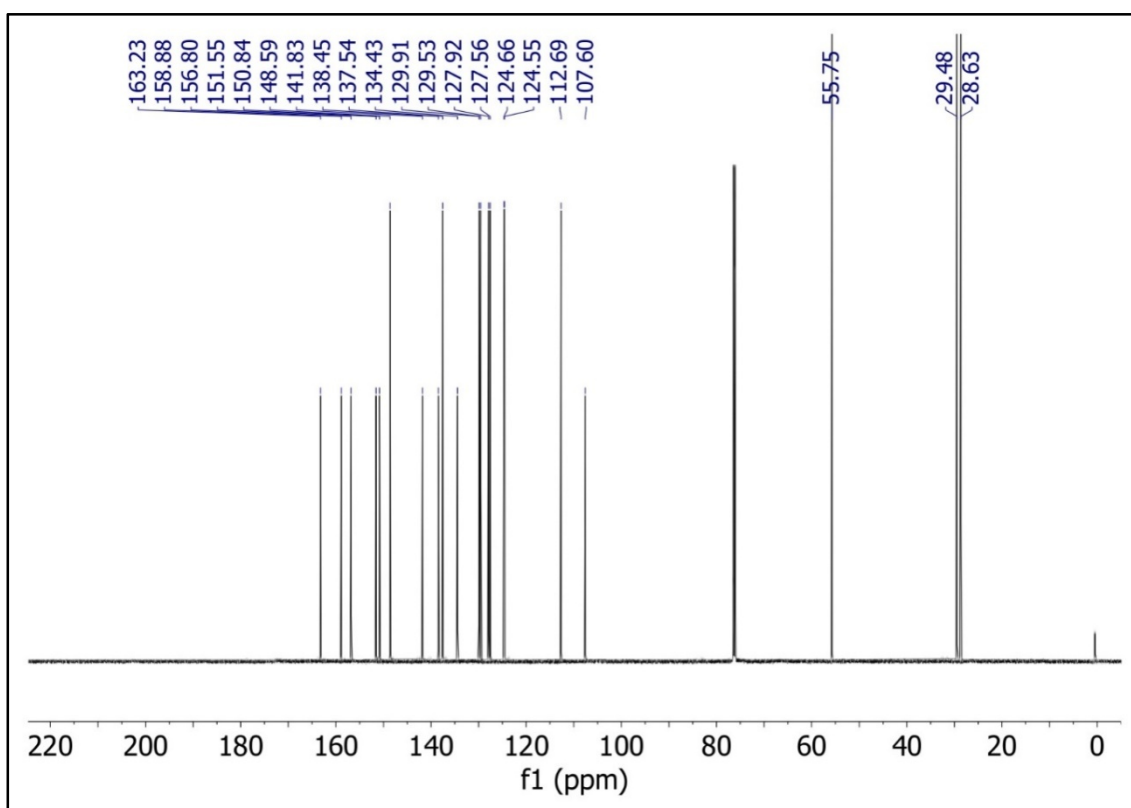


Figure 18S — ¹³C NMR spectra of compound 4j

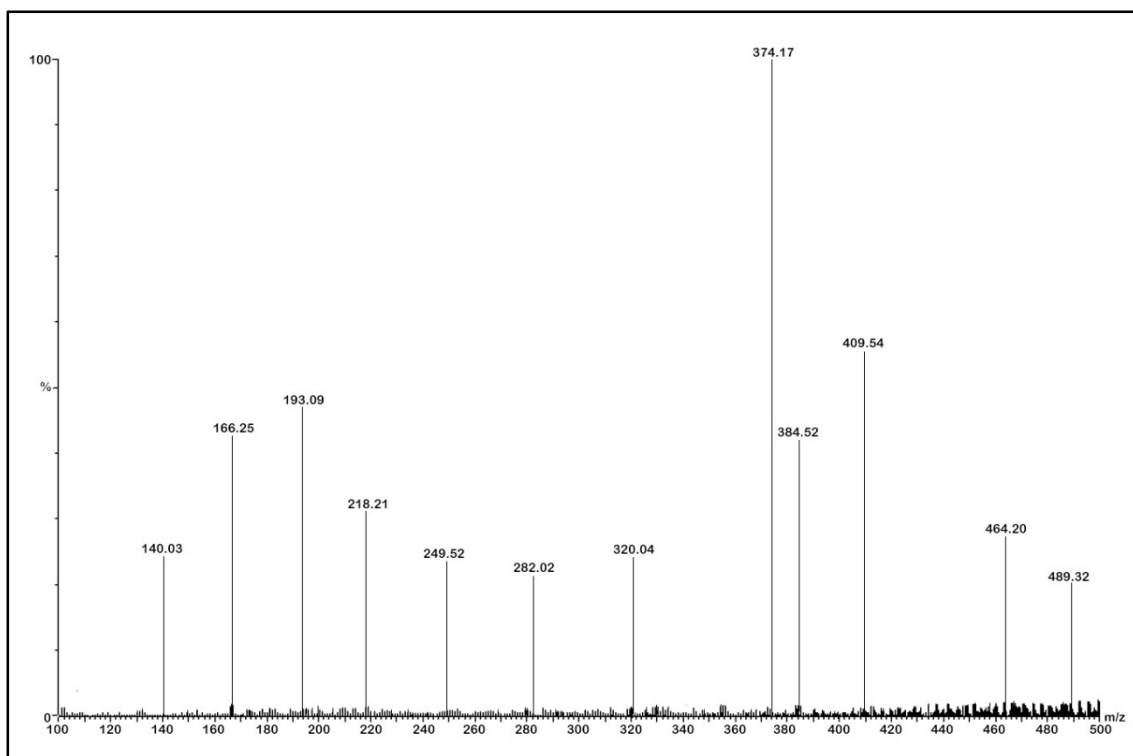


Figure 19S — Mass spectra of compound 4j

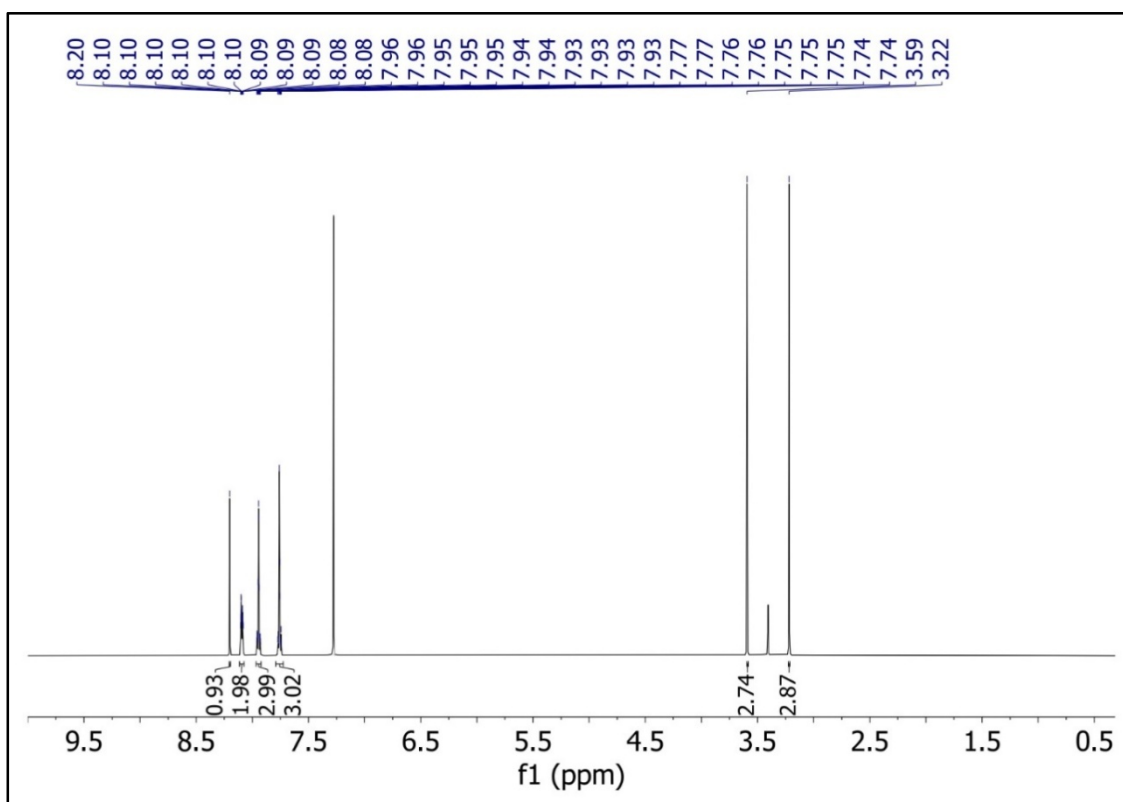


Figure 20S — ^1H NMR spectra of compound 4l

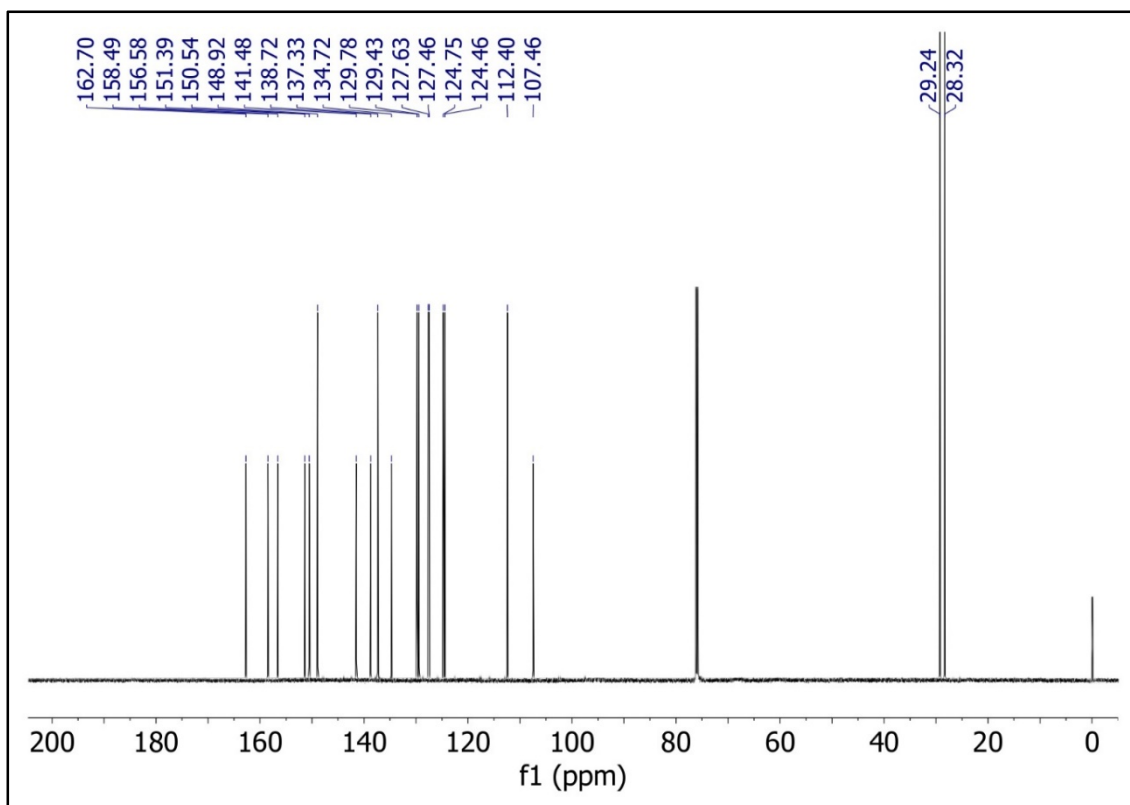


Figure 21S — ^{13}C NMR spectra of compound 4l

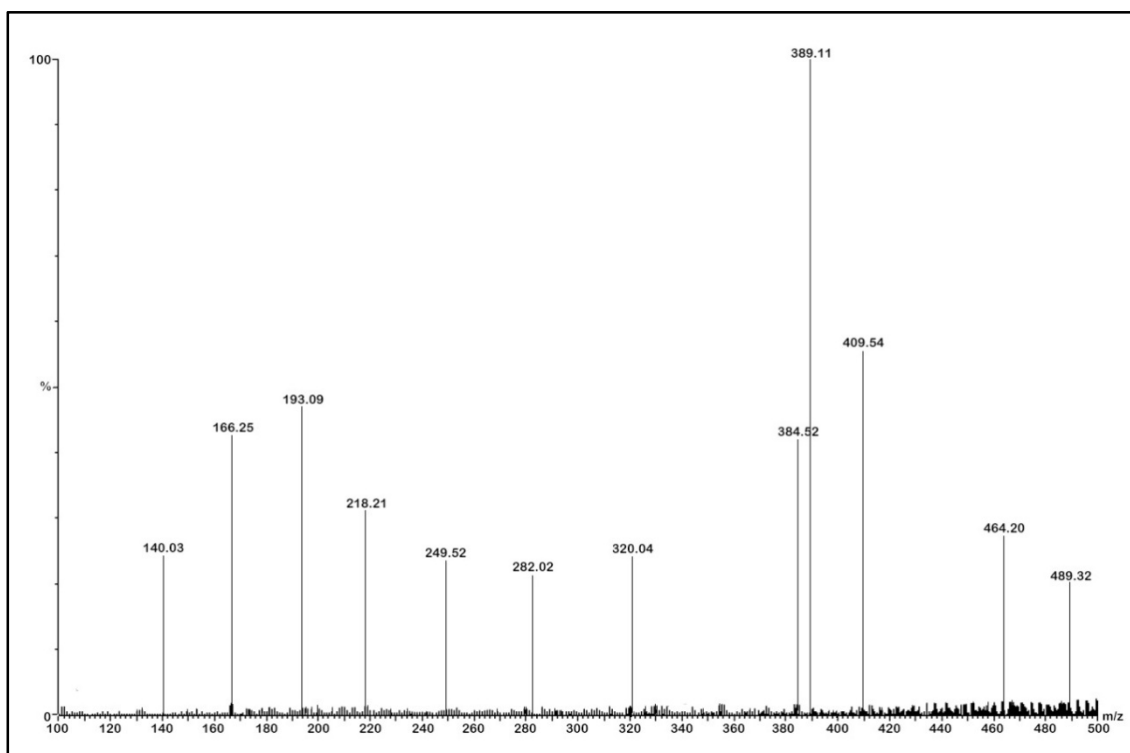


Figure 22S — Mass spectra of compound 4l