

Supplementary Information

Synthesis and Antimicrobial Evaluation of some Novel pyrido[3,2-*f*][1,2,4,3]thiadiazaphosphepinone Compounds, bearing a pyridine moiety

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**Copies of spectral data for the synthesized
compounds**

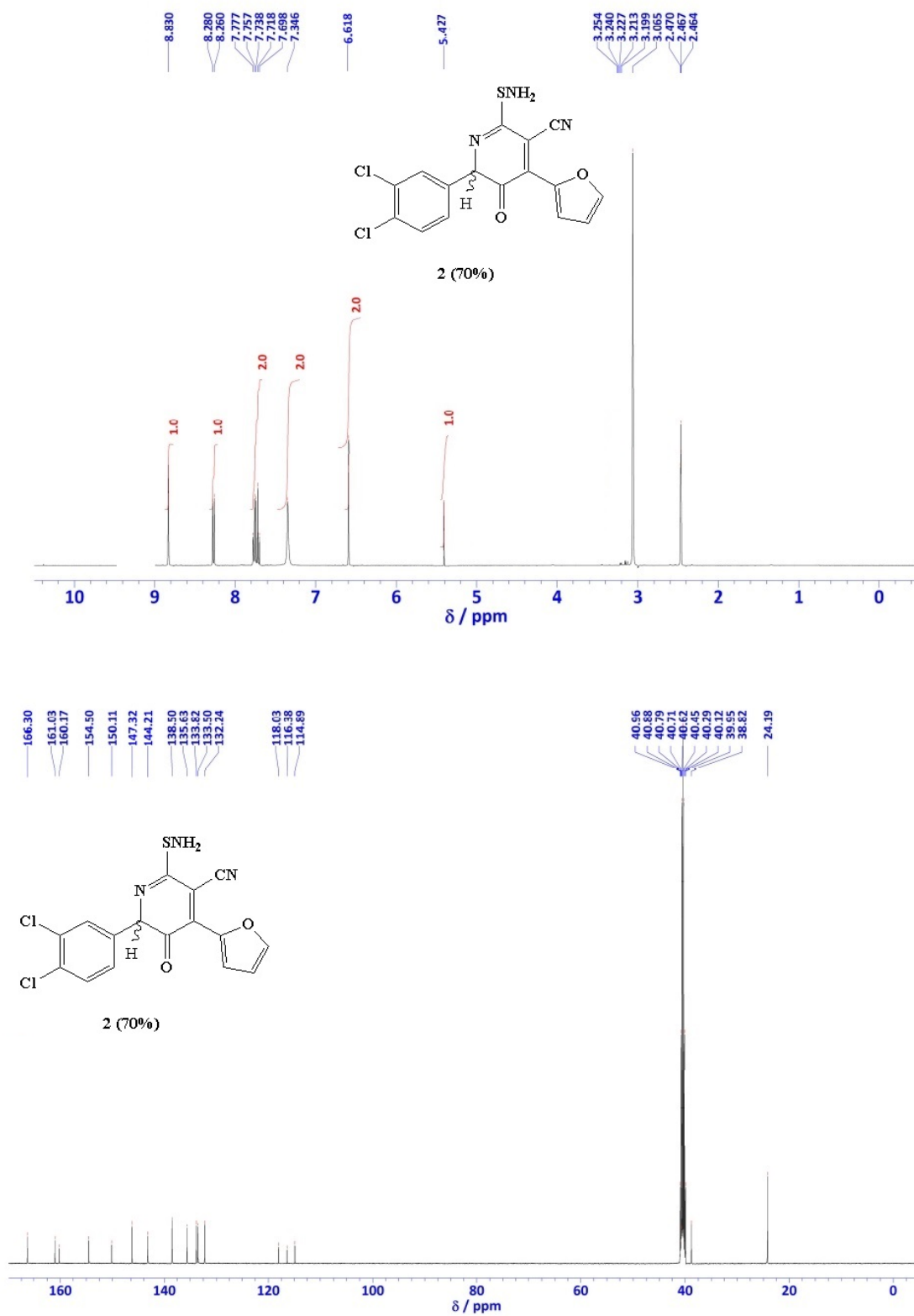


Figure 1. The ^1H -NMR and ^{13}C -NMR spectrum of compound **2**

MH-O1

2862 16 (0.585) Sm (Mn, 5x0.50); Cm (13:19-40:42)

ZMD

Scan ES+
4.36e5

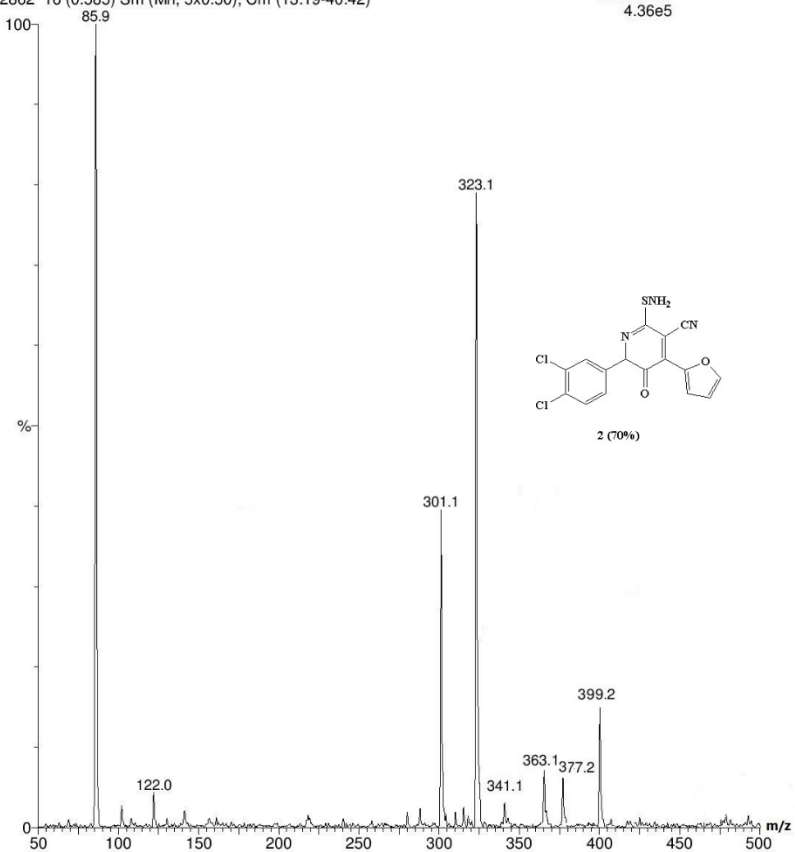


Figure 2. Electrospray ionisation (ESI) mass spectra of compound 2

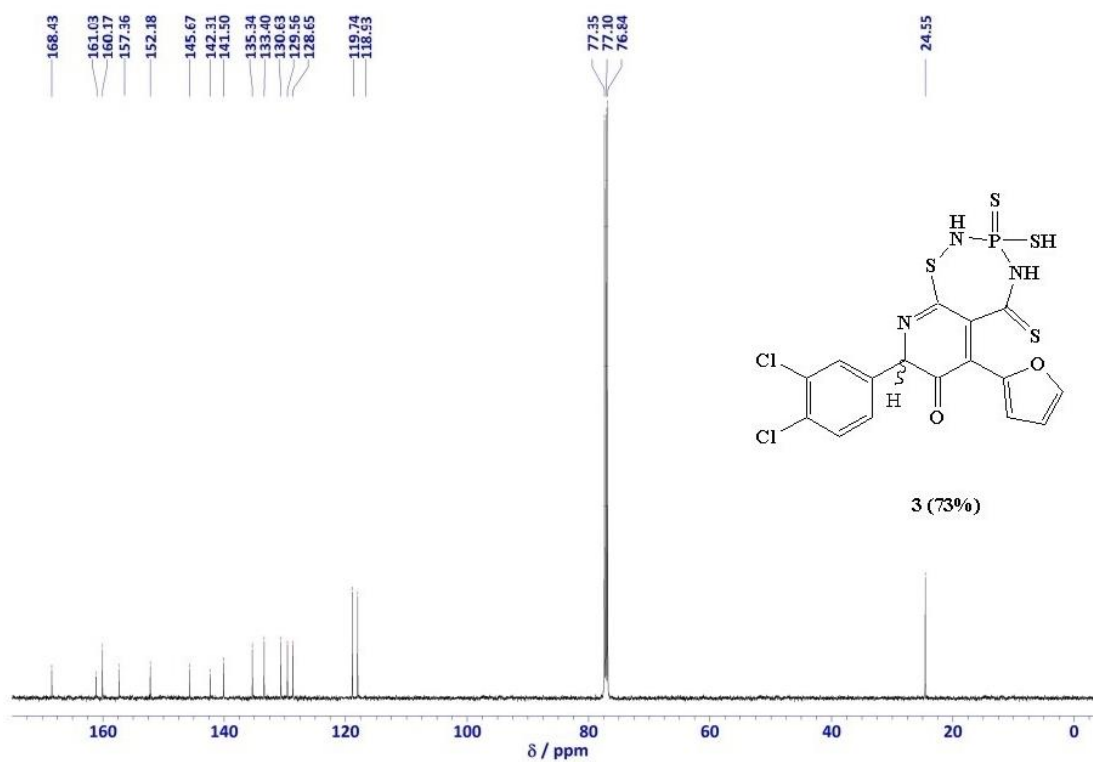
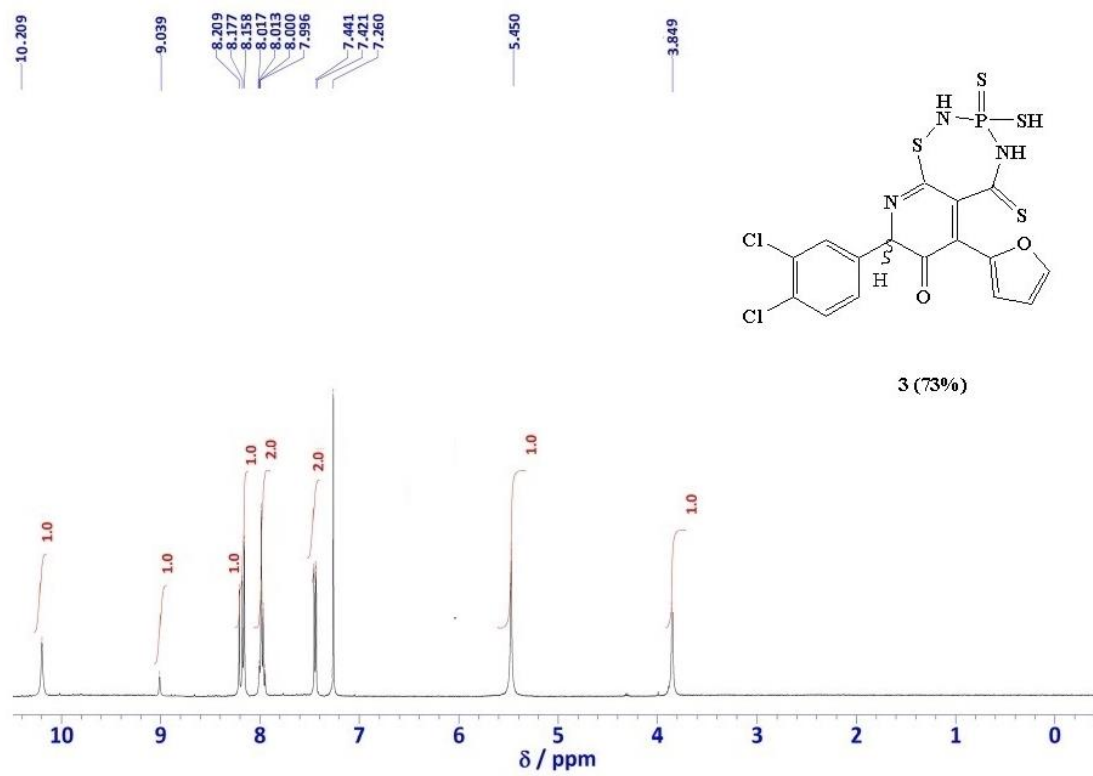
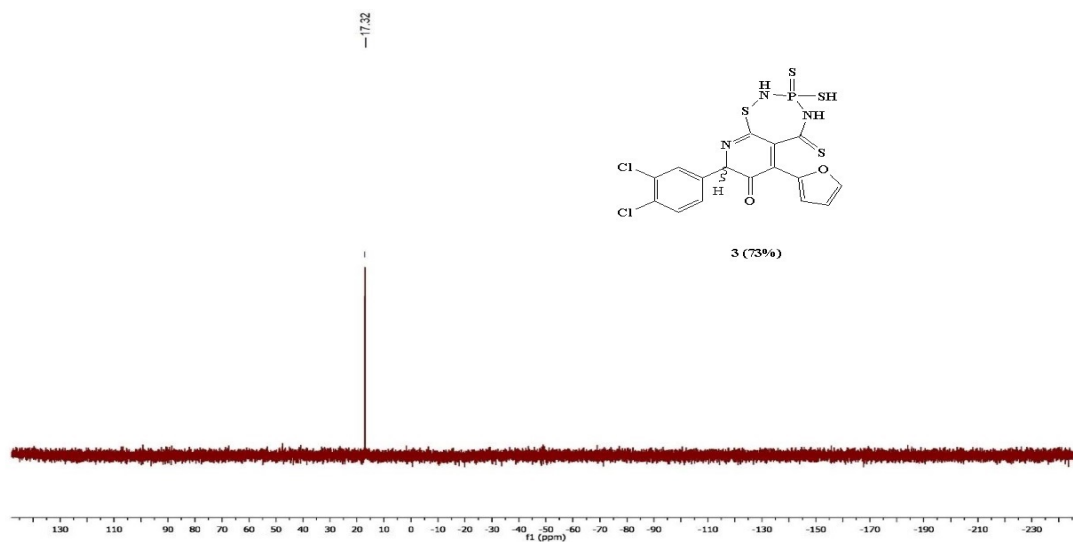


Figure 3. The $^1\text{H-NMR}$ and $^{13}\text{C-NMR}$ spectrum of compound 3



MH-O2

ZMD

2960 16 (0.585) Sm (Mn, 5x0.50); Cm (14:19)

Scan ES+
8.07e5

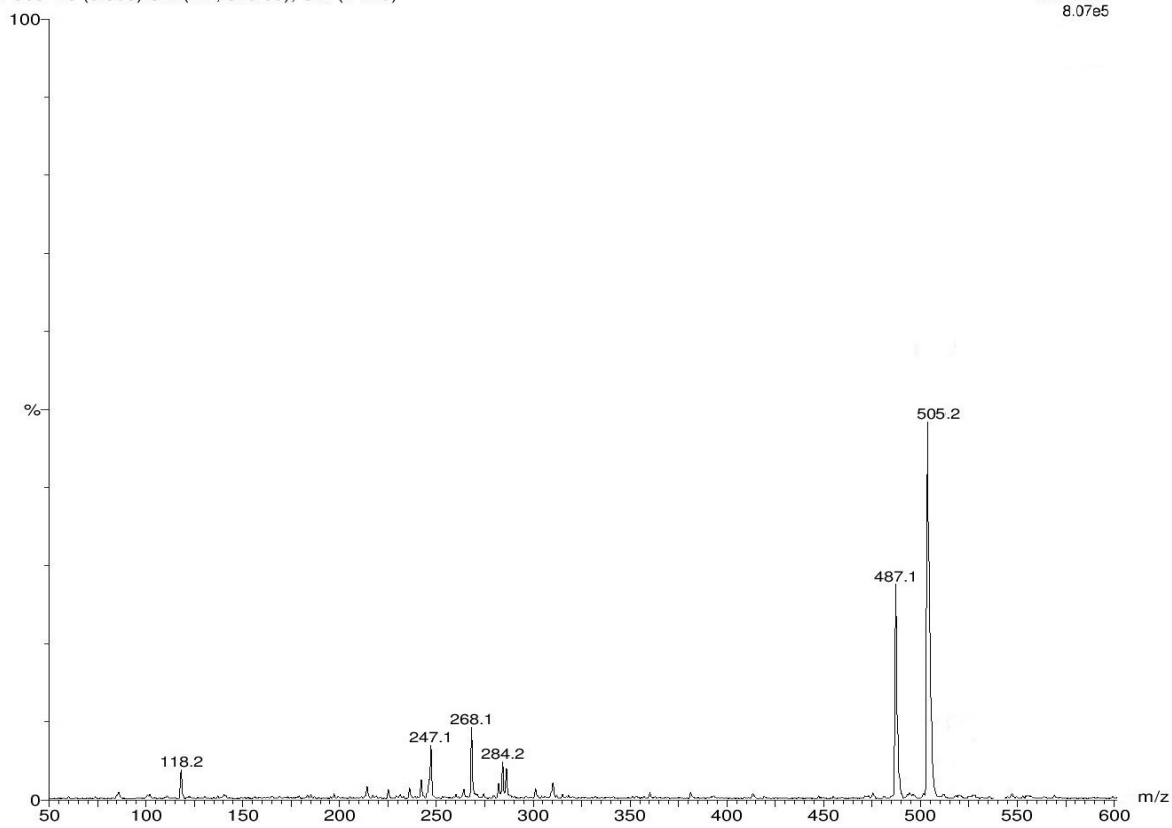


Figure 4. ^{31}P -NMR spectrum and Electrospray ionisation (ESI) mass spectra of compound **3**

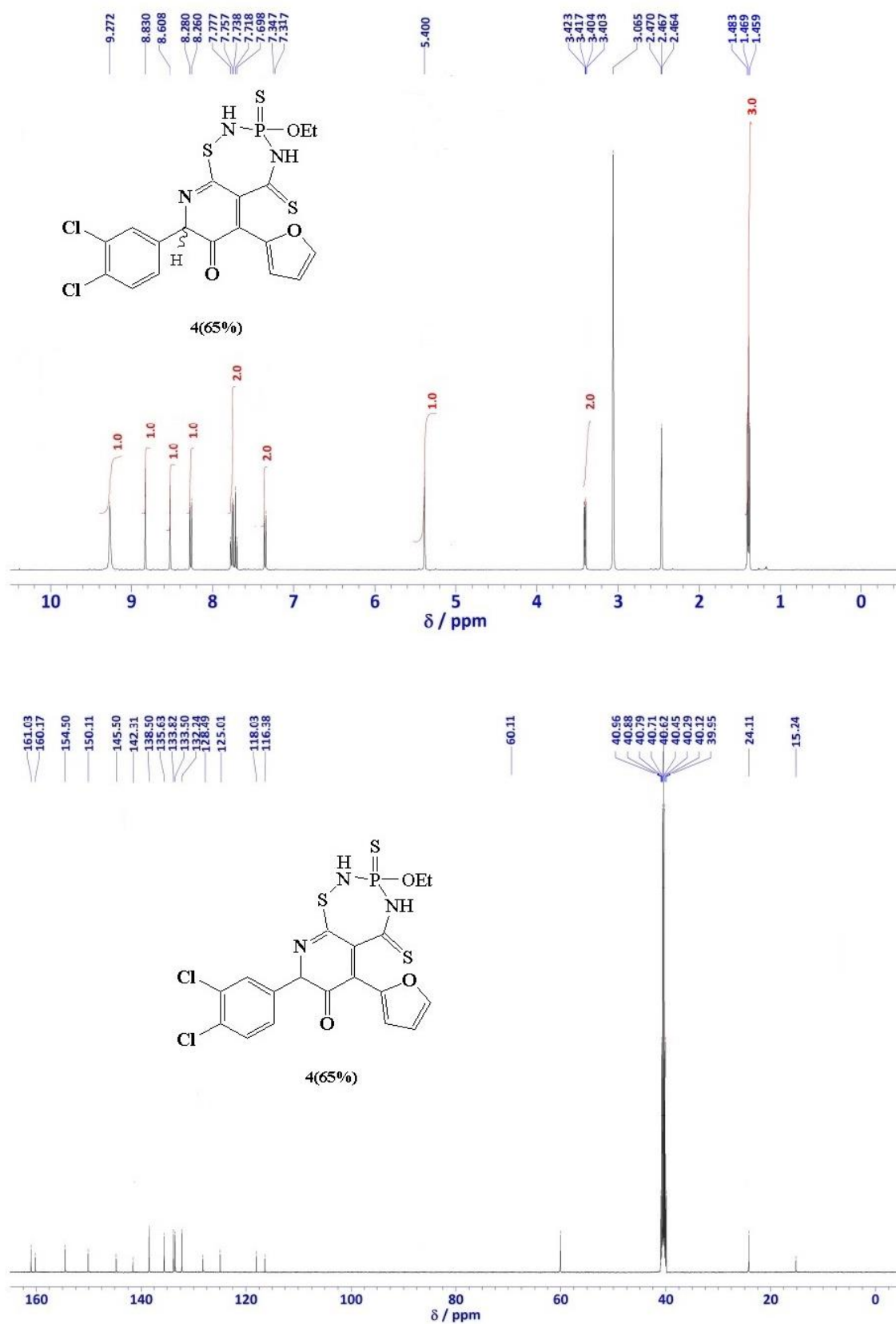


Figure 5. The ¹H-NMR and ¹³C-NMR spectrum of compound 4

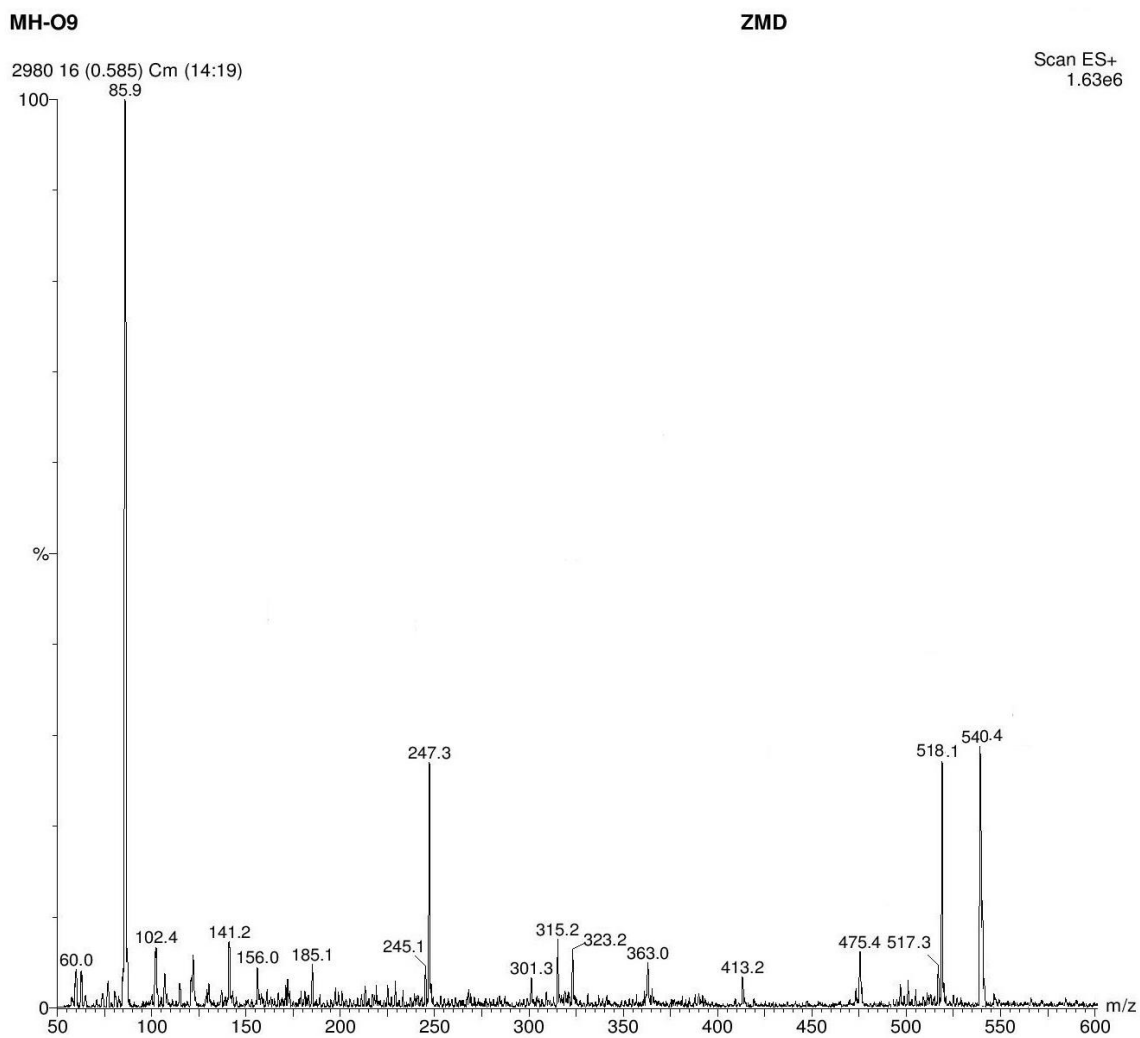
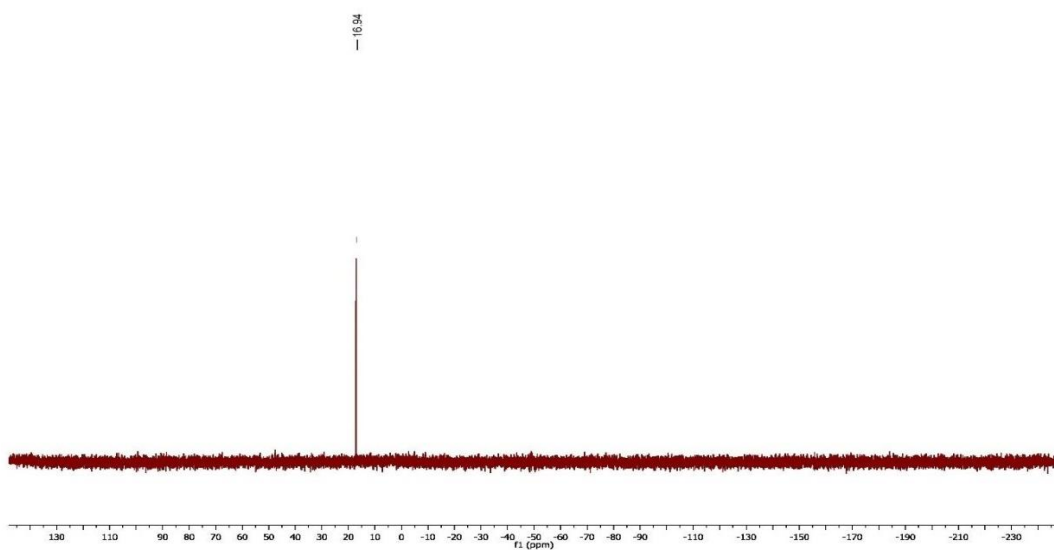


Figure 6. ^{31}P -NMR spectrum and Electrospray ionisation (ESI) mass spectra of compound **4**

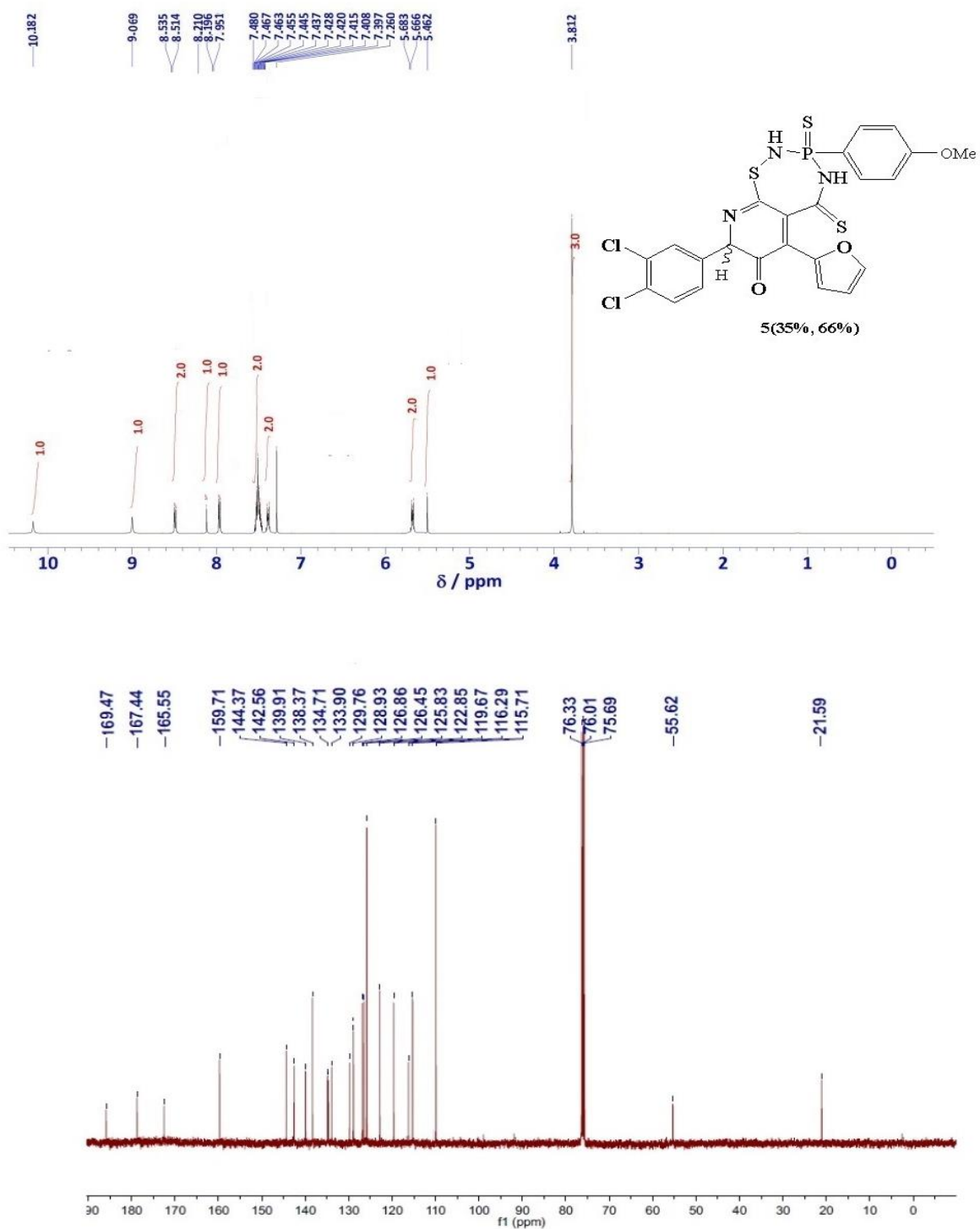
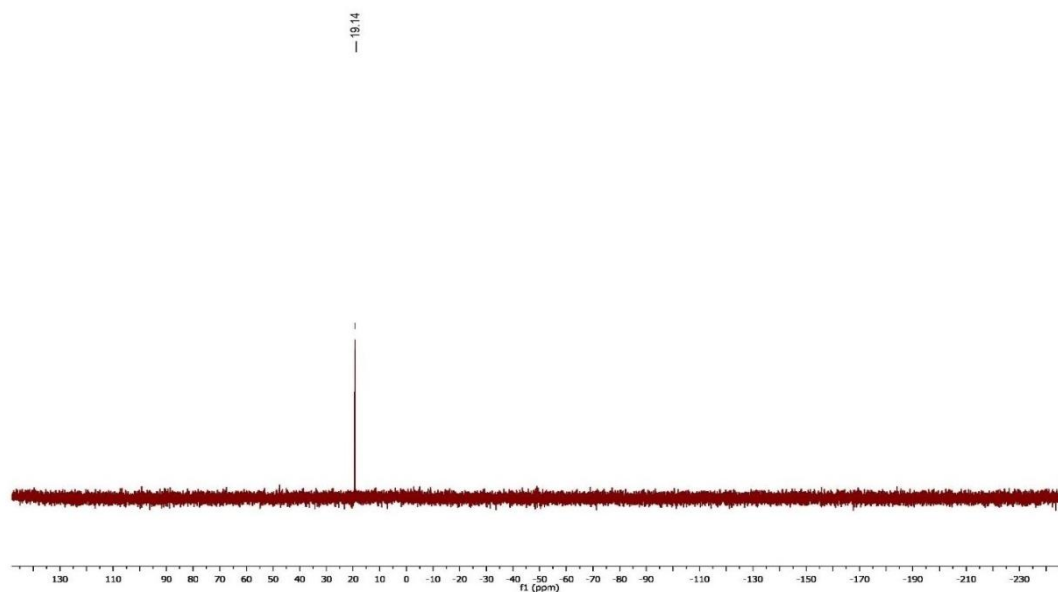


Figure 7. The ¹H-NMR and ¹³C-NMR spectrum of compound **5**



MH-Q4

ZMD

2863 16 (0.586) Sm (Mn, 5x0.50); Cm (13:20)

Scan ES+
5.05e5

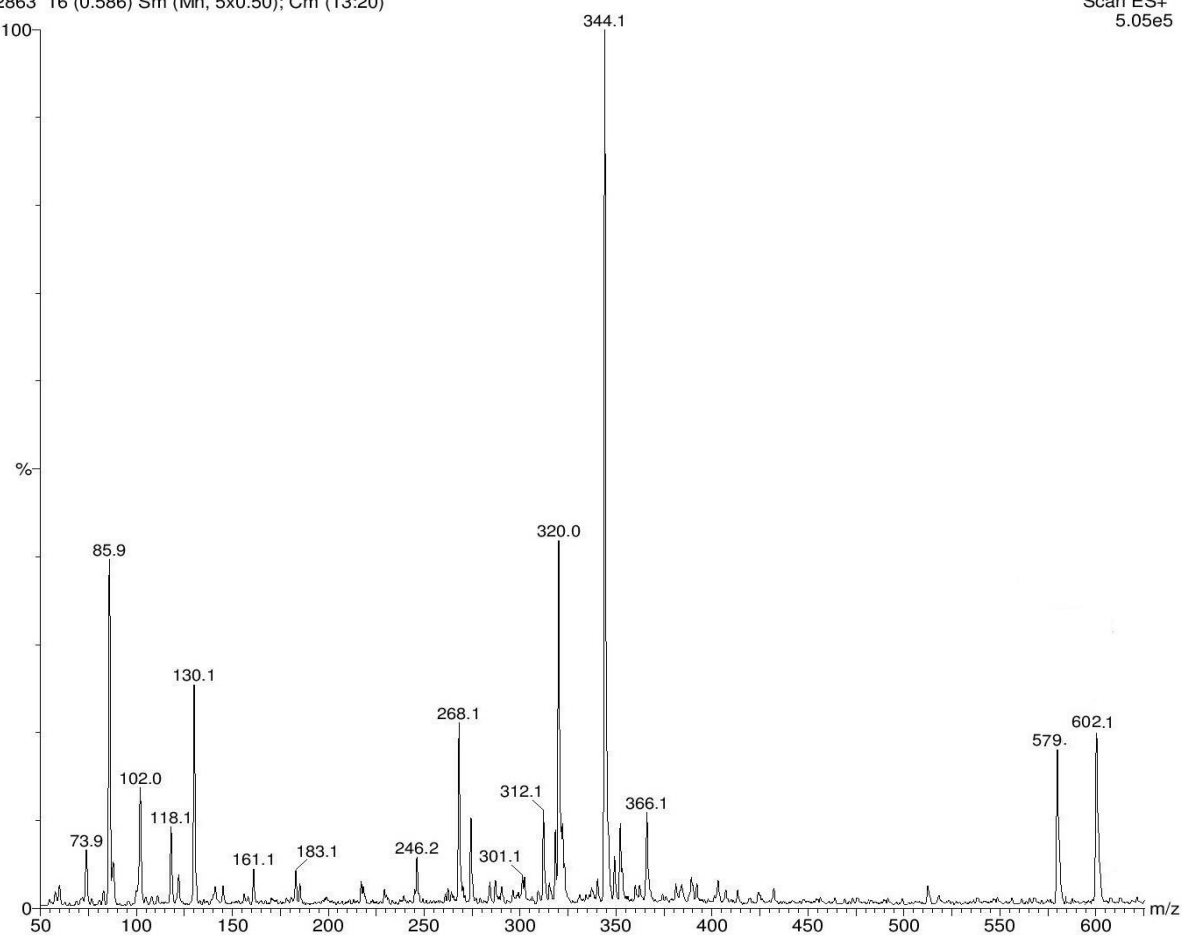


Figure 8. ^{31}P -NMR spectrum and Electrospray ionisation (ESI) mass spectra of compound **5**

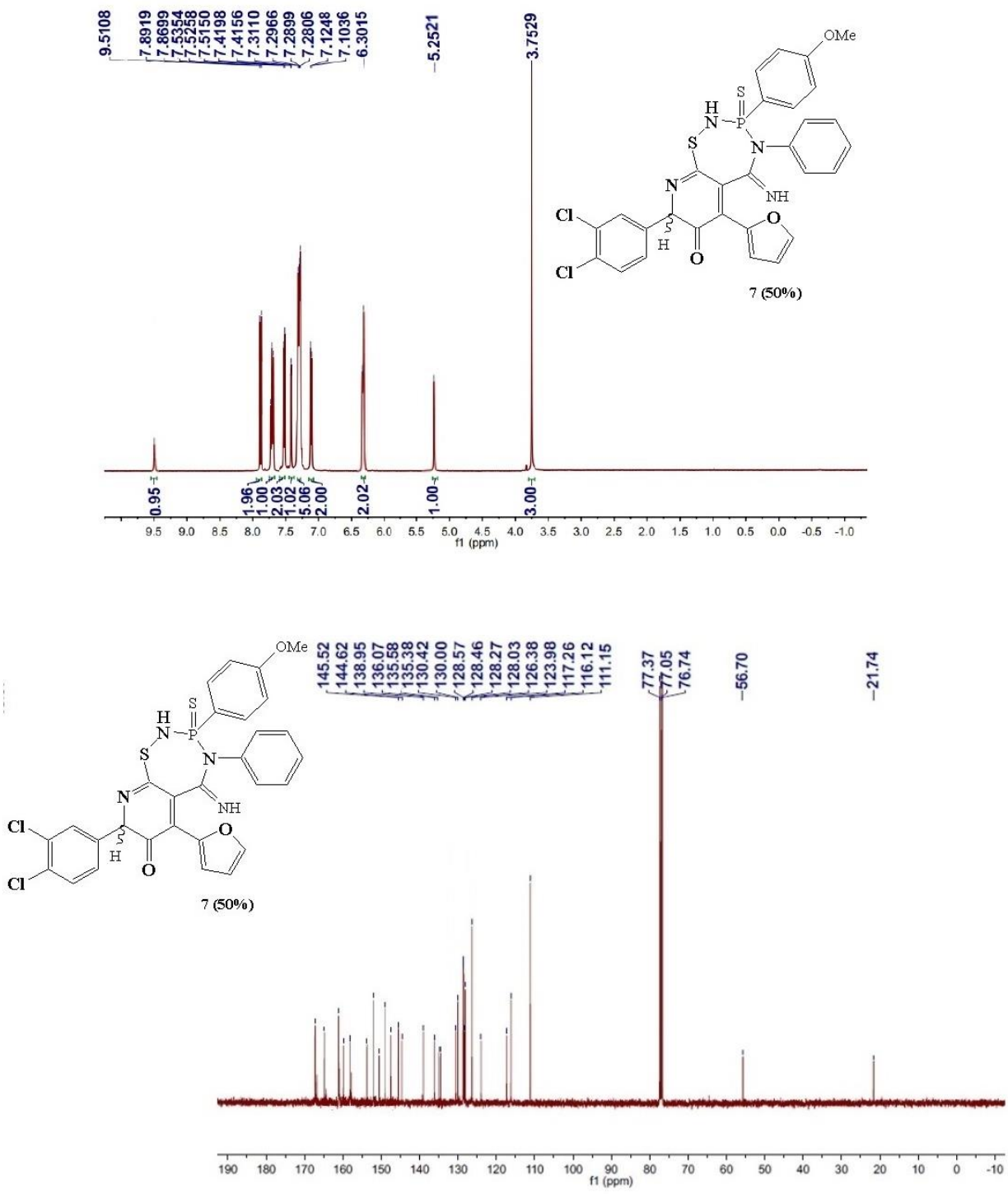
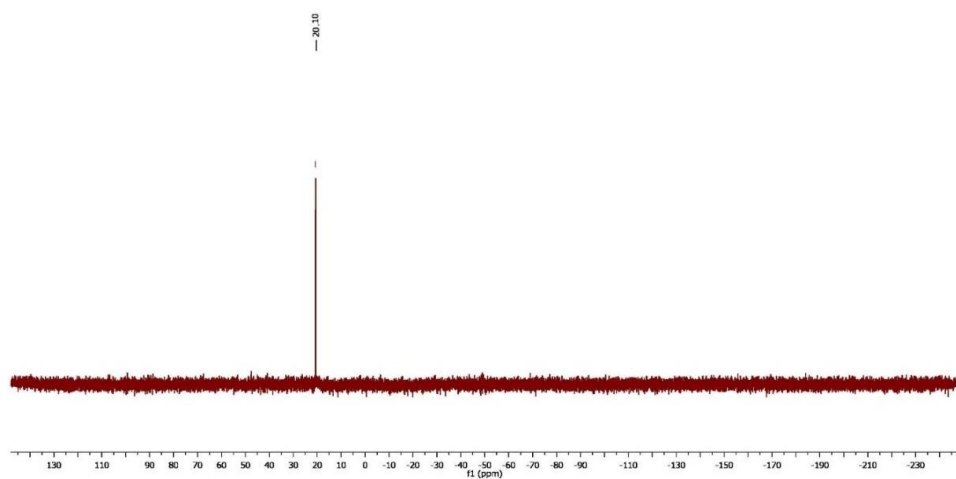


Figure 9. The ¹H-NMR and ¹³C-NMR spectrum of compound **7**



MH-O10

ZMD

2981 16 (0.585) Cm (13:19)

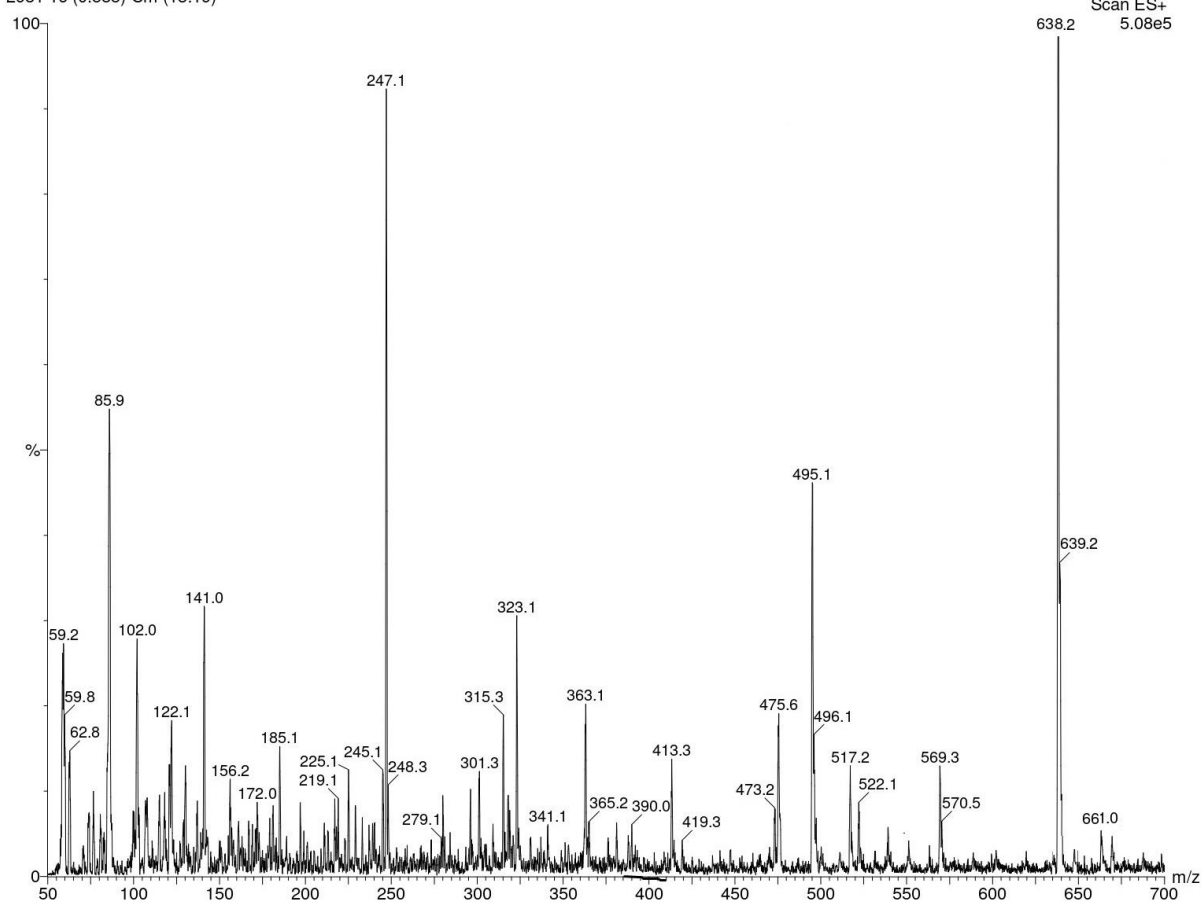


Figure 10. ^{31}P -NMR spectrum and Electrospray ionisation (ESI) mass spectra of compound **7**

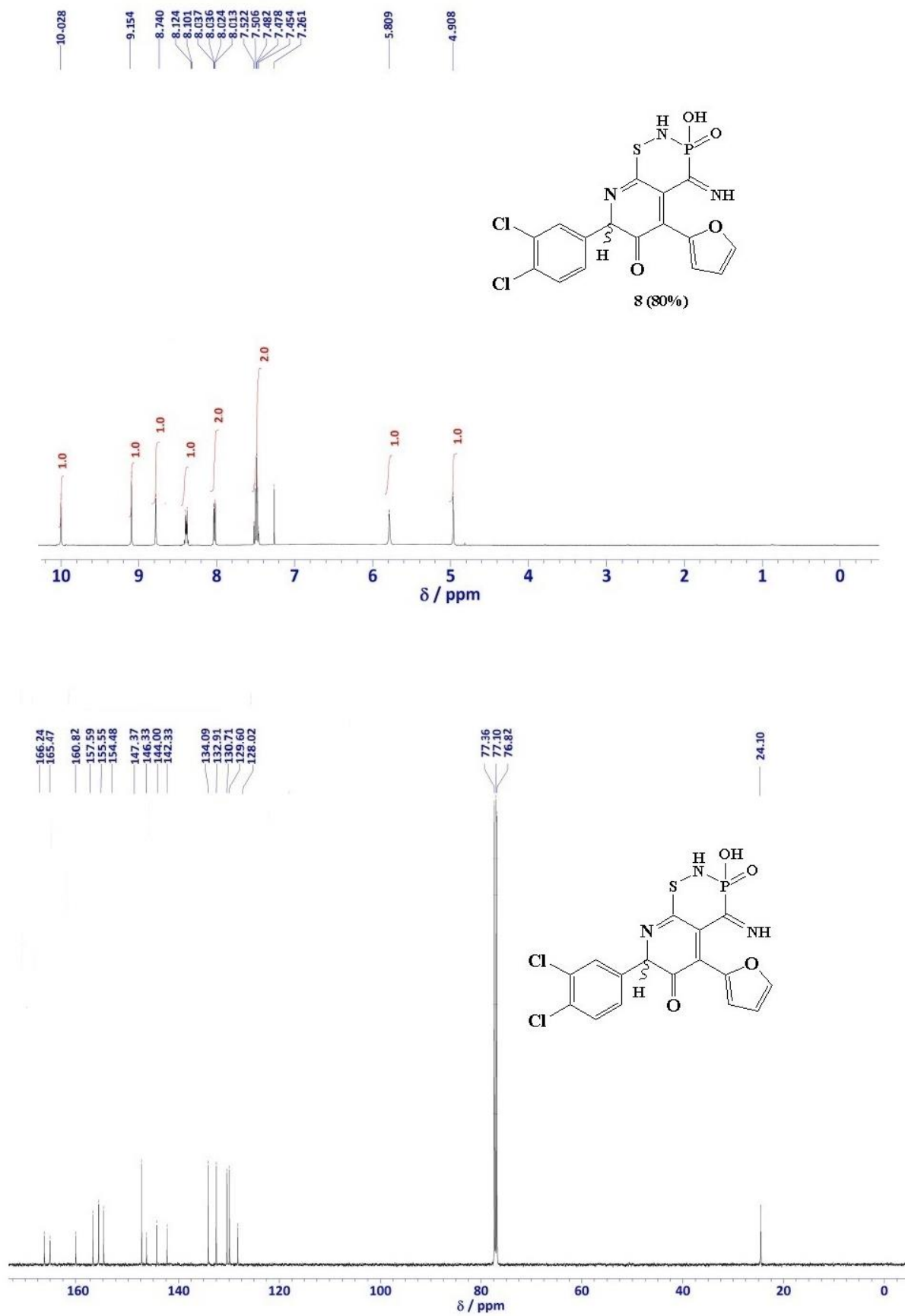
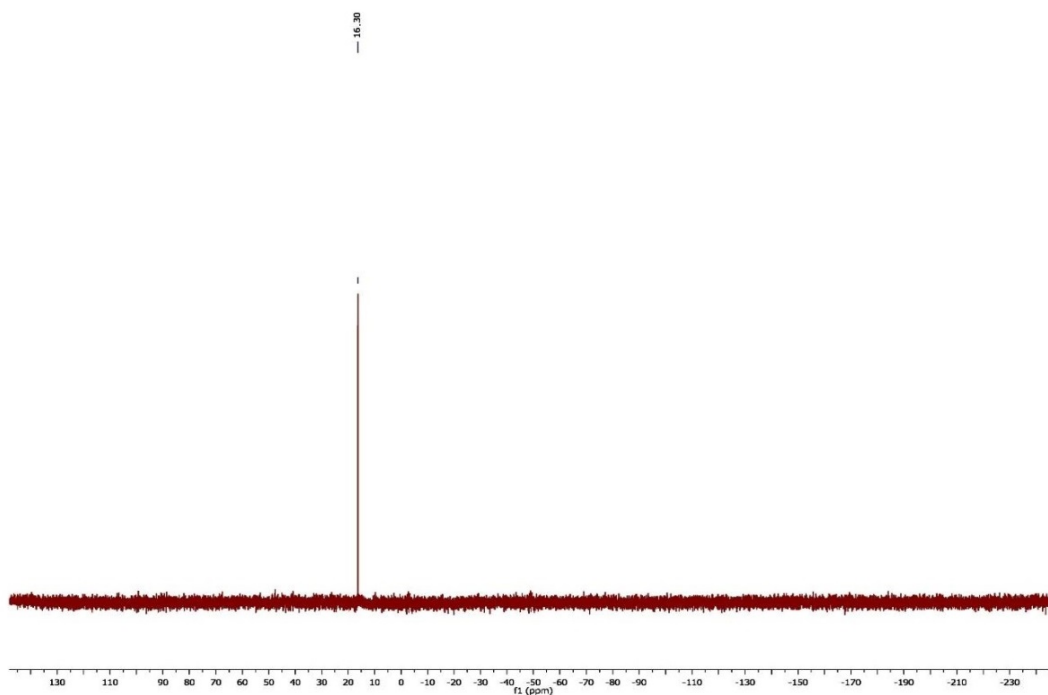
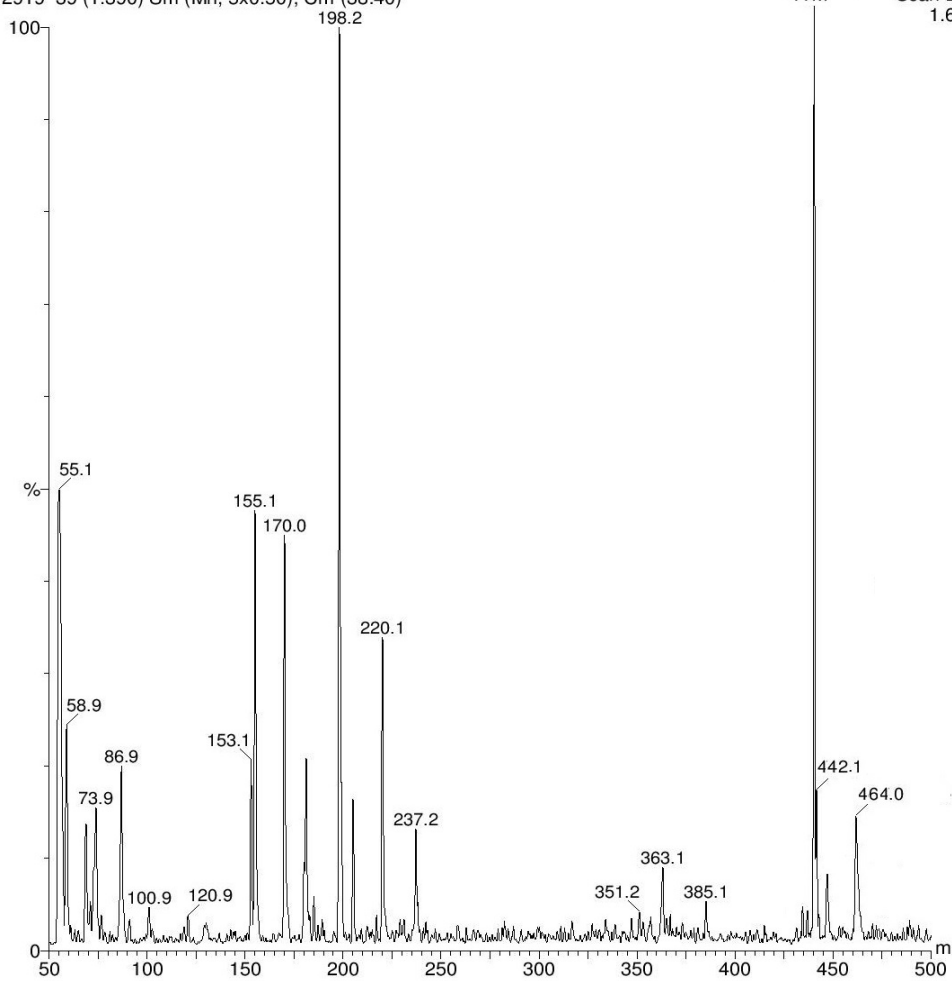


Figure 11. The ¹H-NMR and ¹³C-NMR spectrum of compound **8**



MH-O11

2919 39 (1.390) Sm (Mn, 5x0.50); Cm (38:40)



ZMD

Scan ES+
1.67e5

Figure 12. ^{31}P -NMR spectrum and Electrospray ionisation (ESI) mass spectra of compound **8**

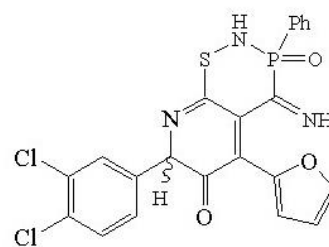
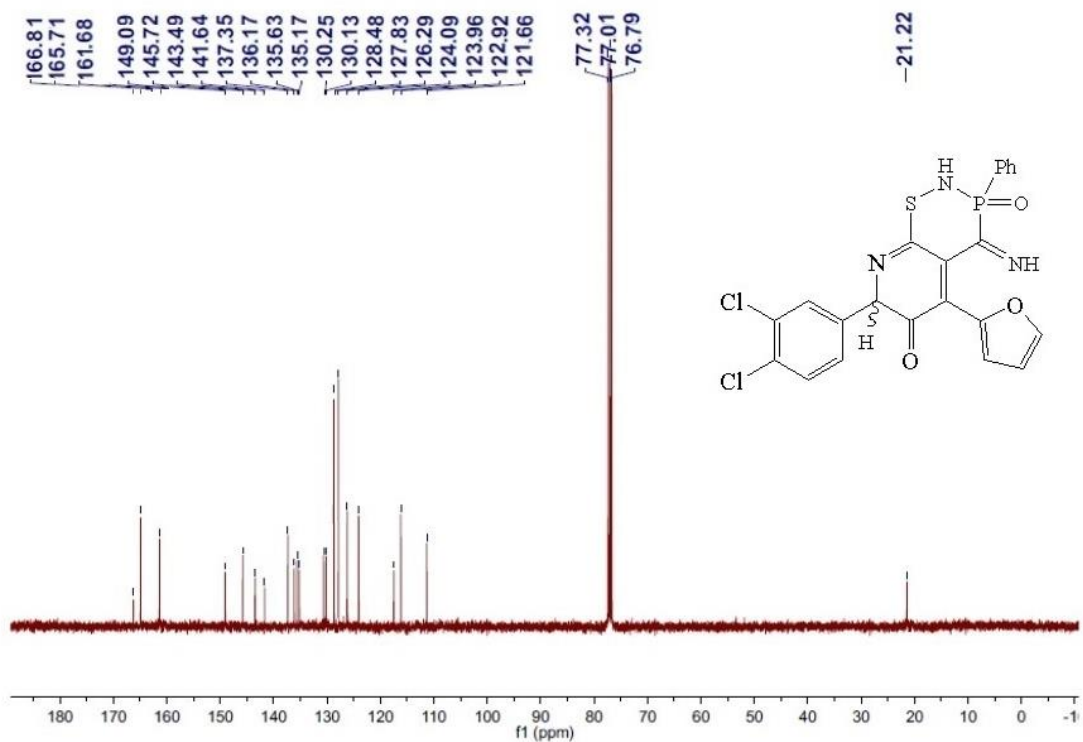
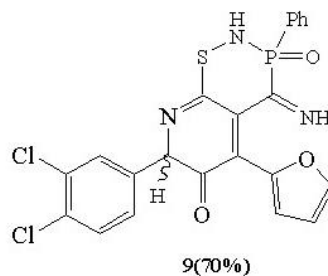
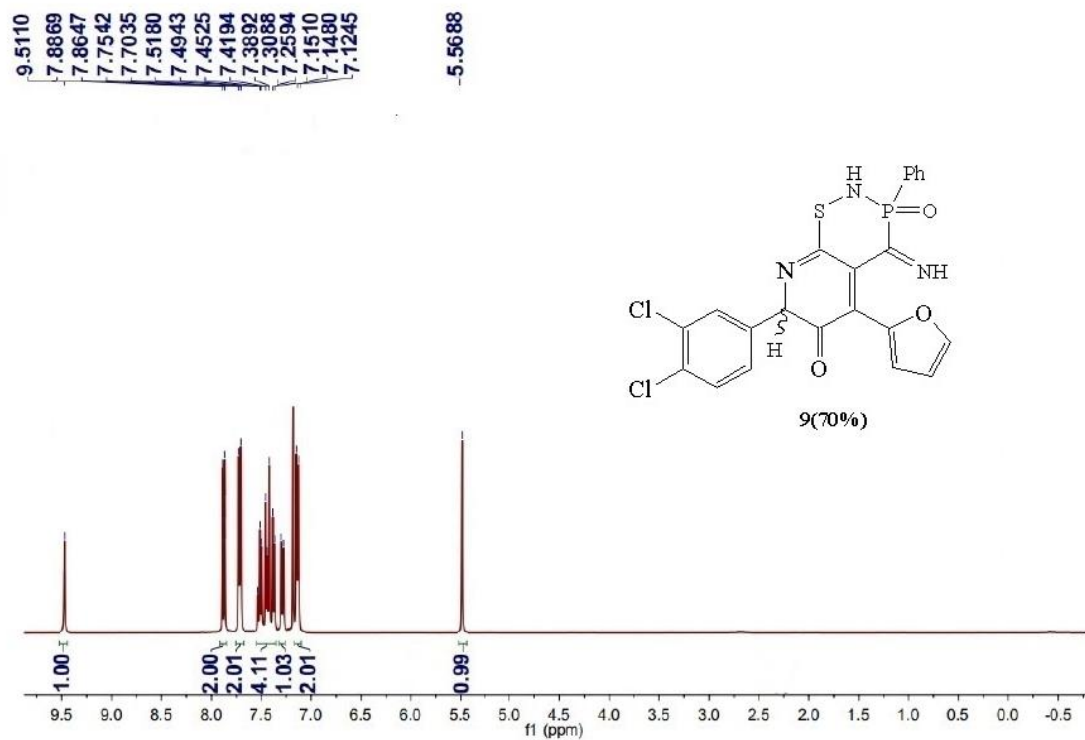


Figure 13. The ¹H-NMR and ¹³C-NMR spectrum of compound **9**

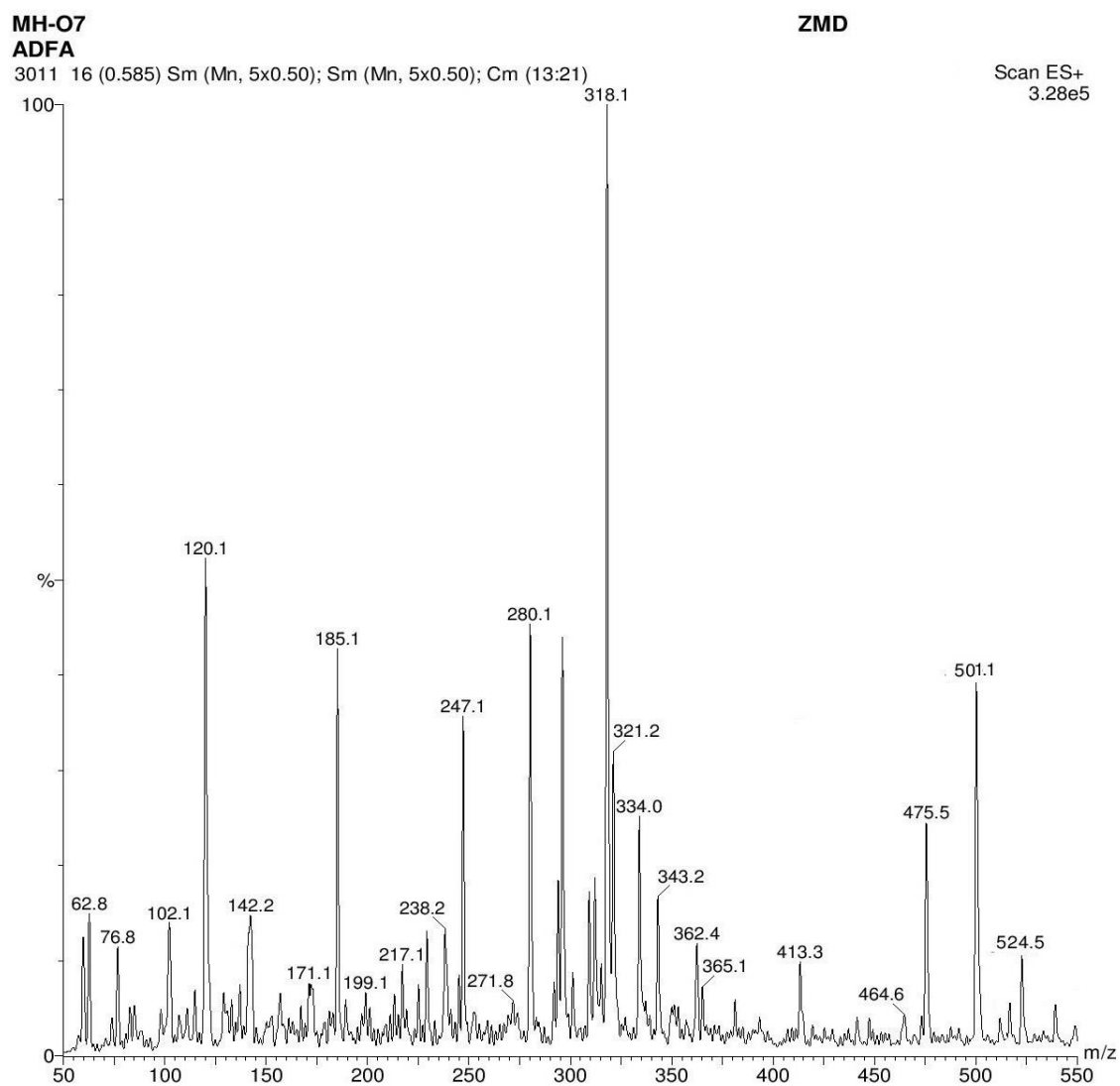
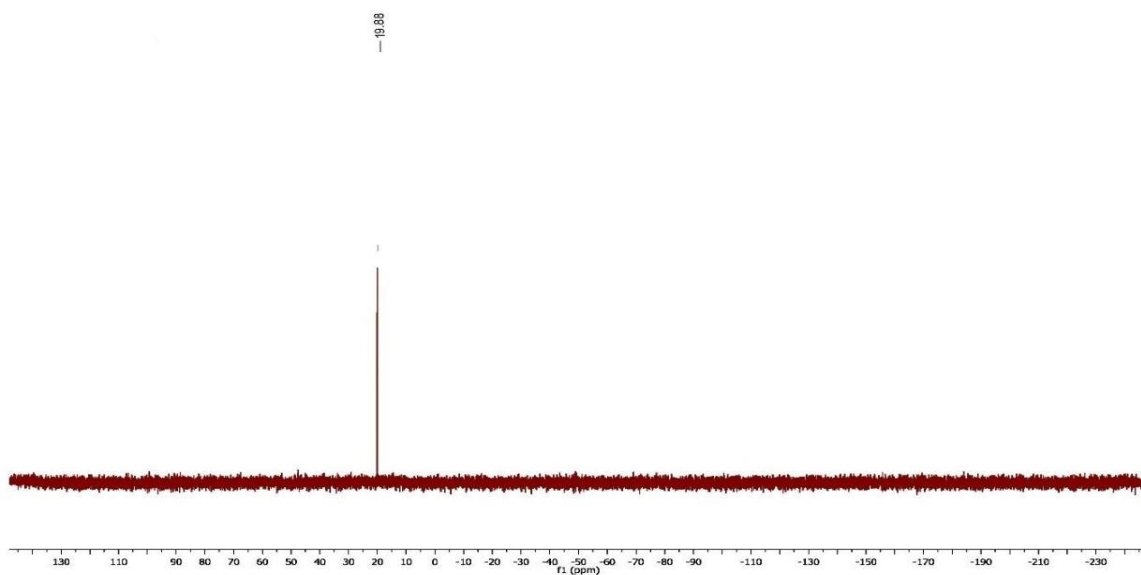


Figure 14. ^{31}P -NMR spectrum and Electrospray ionisation (ESI) mass spectra of compound **9**