

## Synthesis and Antimicrobial Activity of Chromone-linked 2-Pyridone Fused with 1,2,4-Triazoles, 1,2,4-Triazines and 1,2,4-Triazepines Ring Systems

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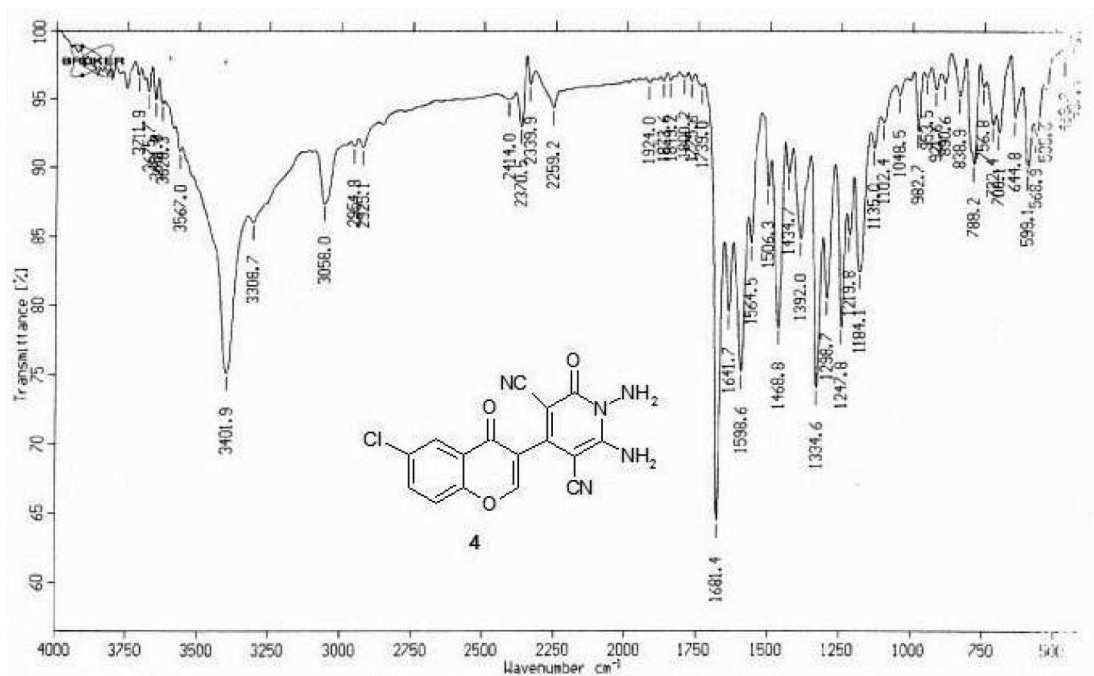


Figure S1. IR spectrum of compound 4.

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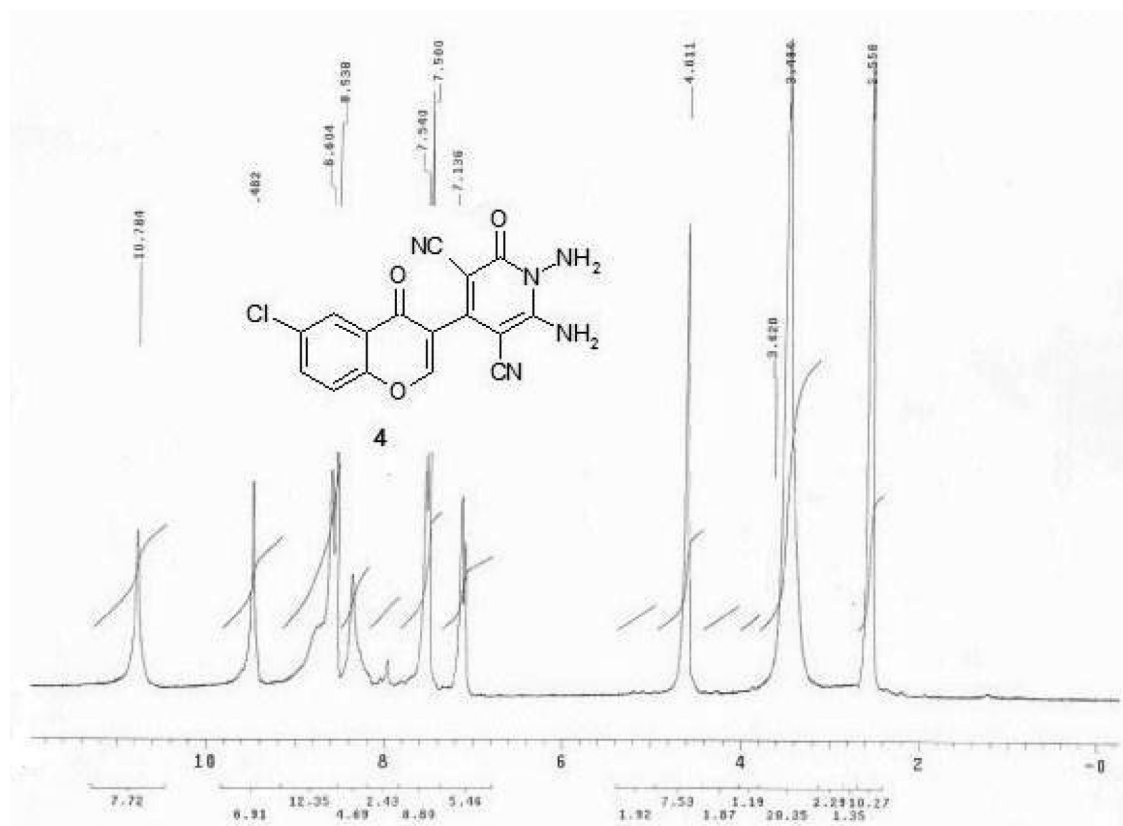
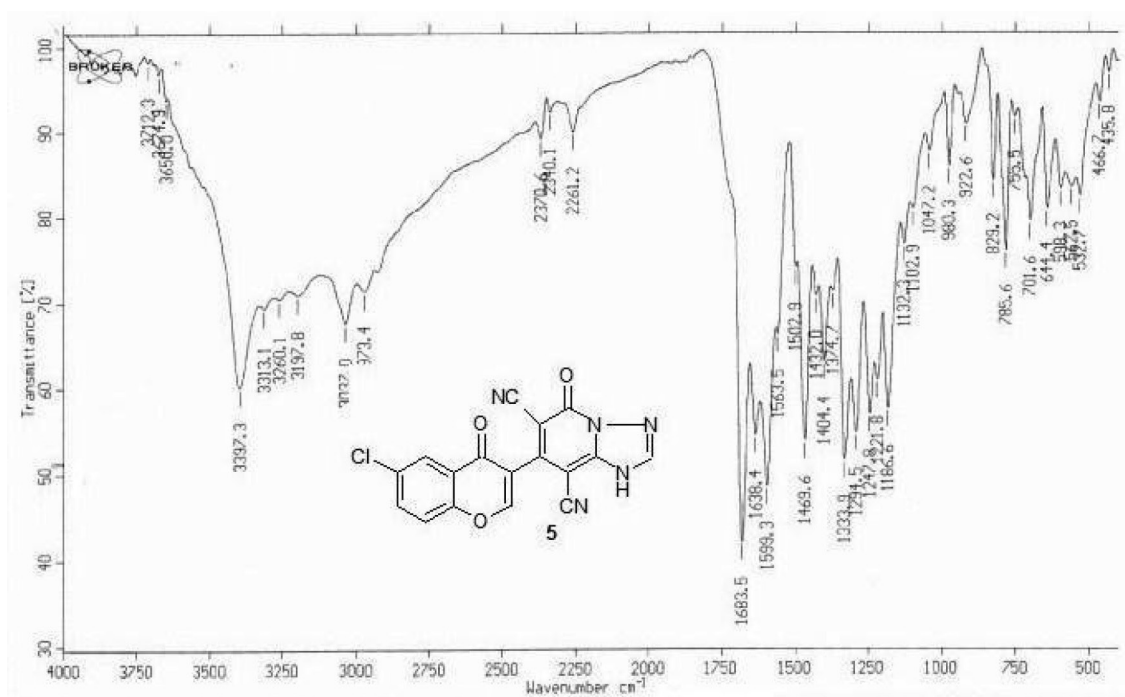
Figure S2. <sup>1</sup>H NMR spectrum of compound 4.

Figure S3. IR spectrum of compound 5.

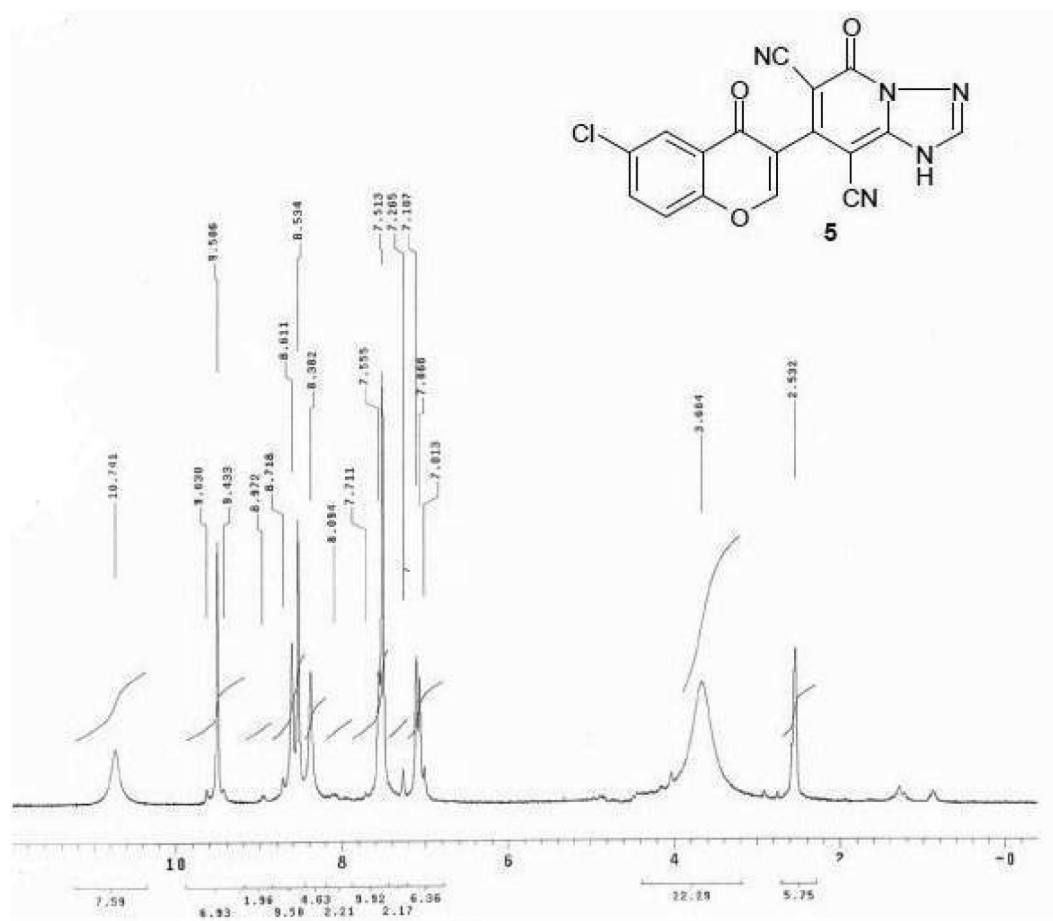
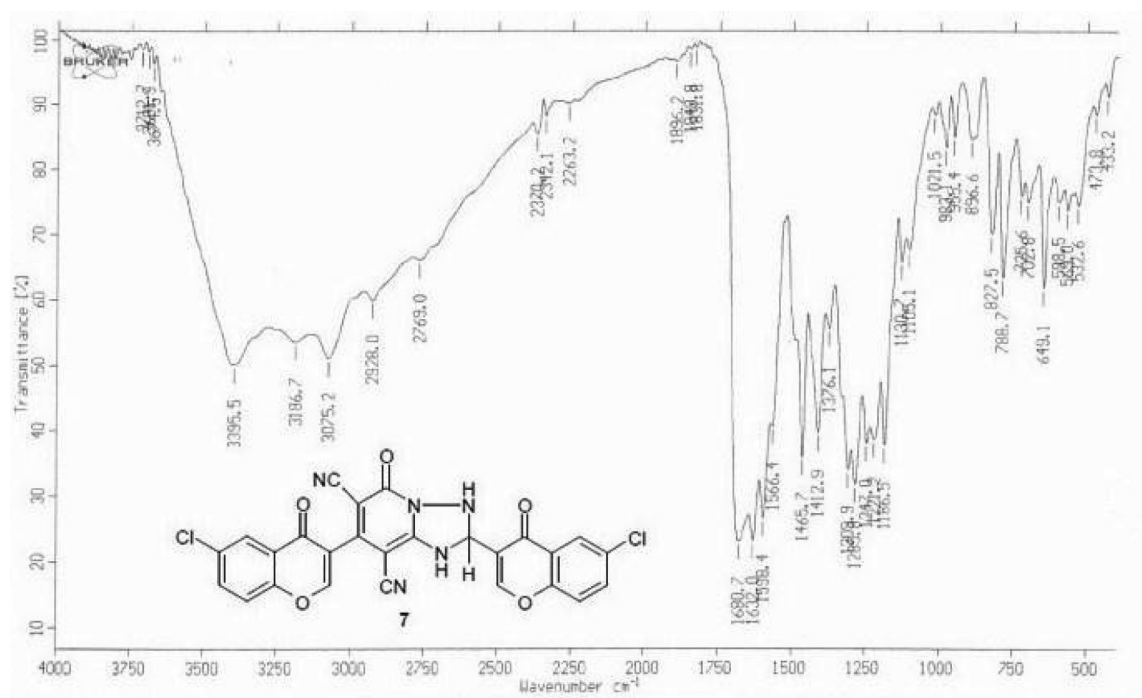
Figure S4. <sup>1</sup>H NMR spectrum of compound 5.

Figure S5. IR spectrum of compound 7.

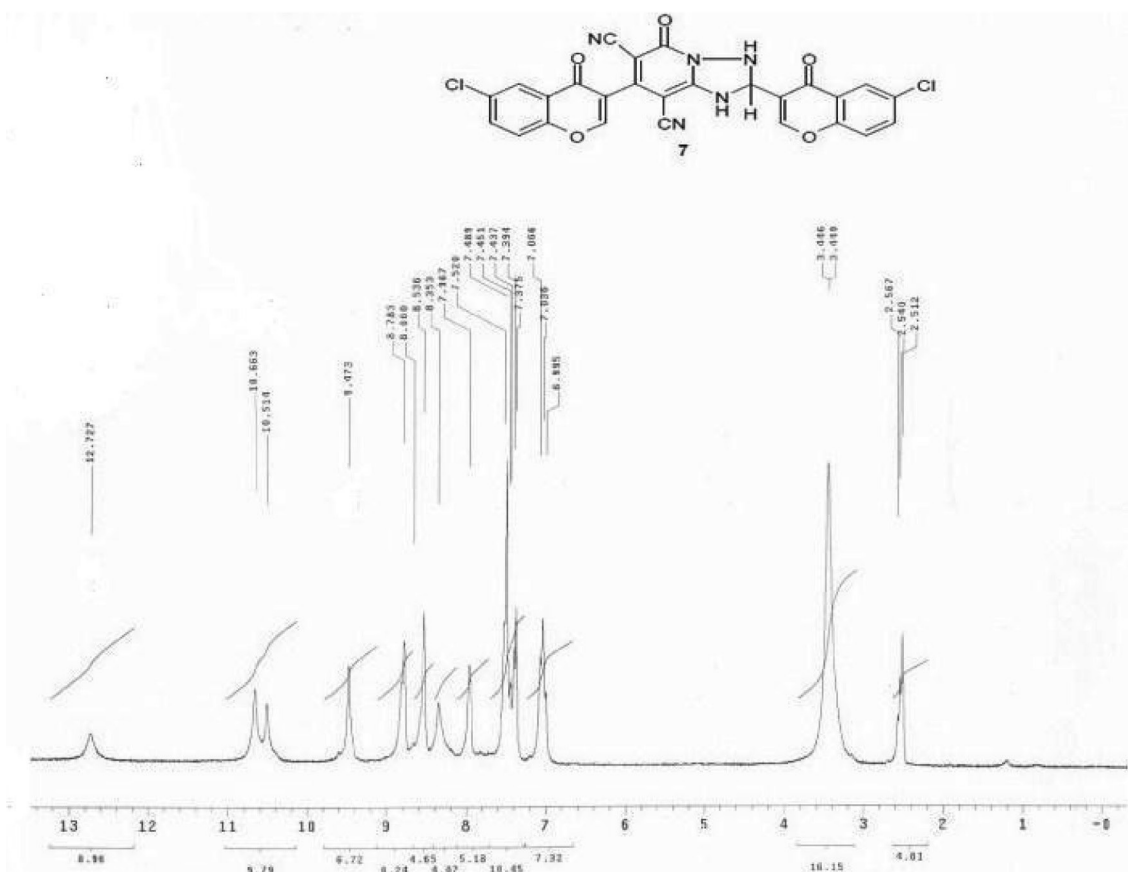
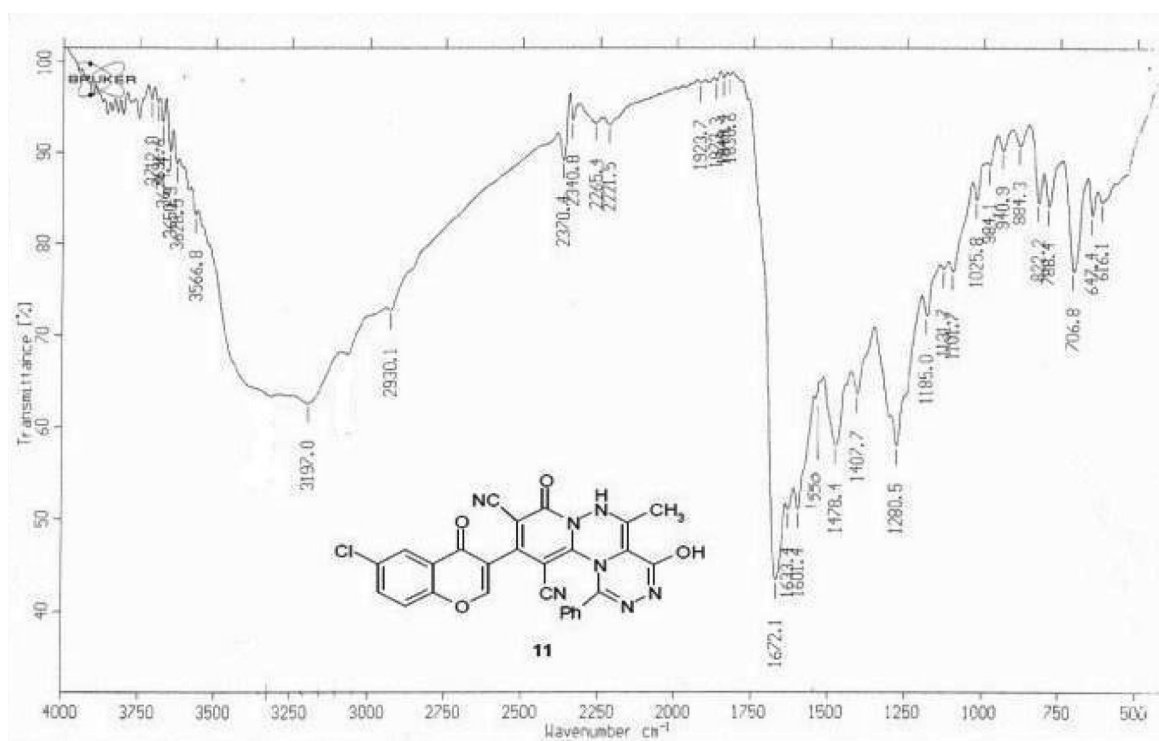
Figure S6.  $^1\text{H}$  NMR spectrum of compound 7.

Figure S7. IR spectrum of compound 11.

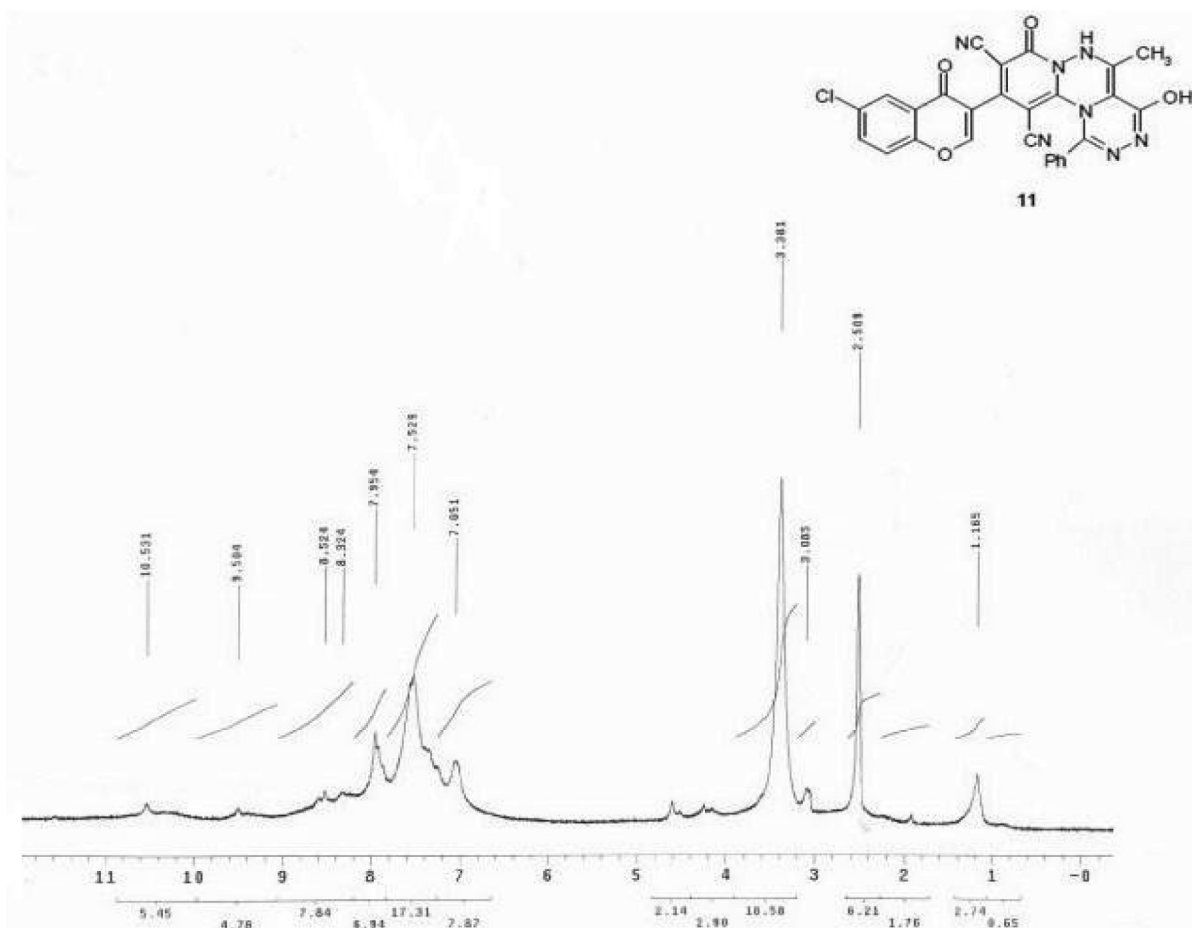
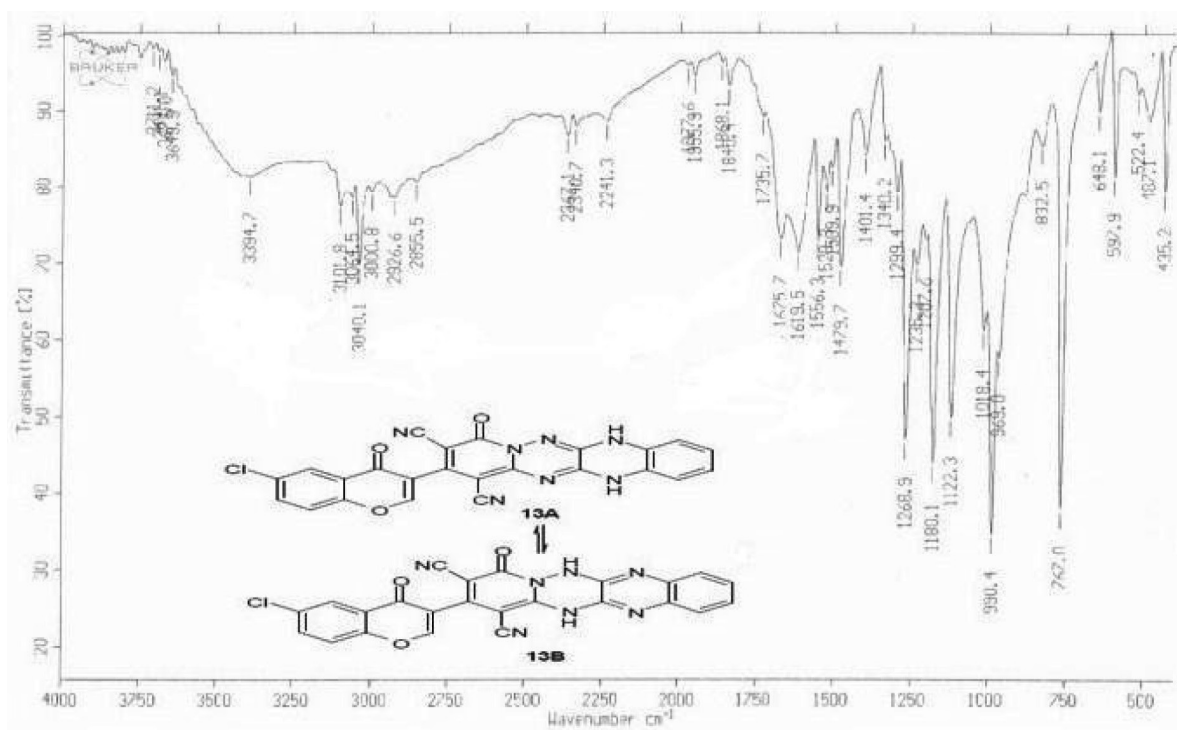
Figure S8. <sup>1</sup>H NMR spectrum of compound 11.

Figure S9. IR spectrum of compound 13.

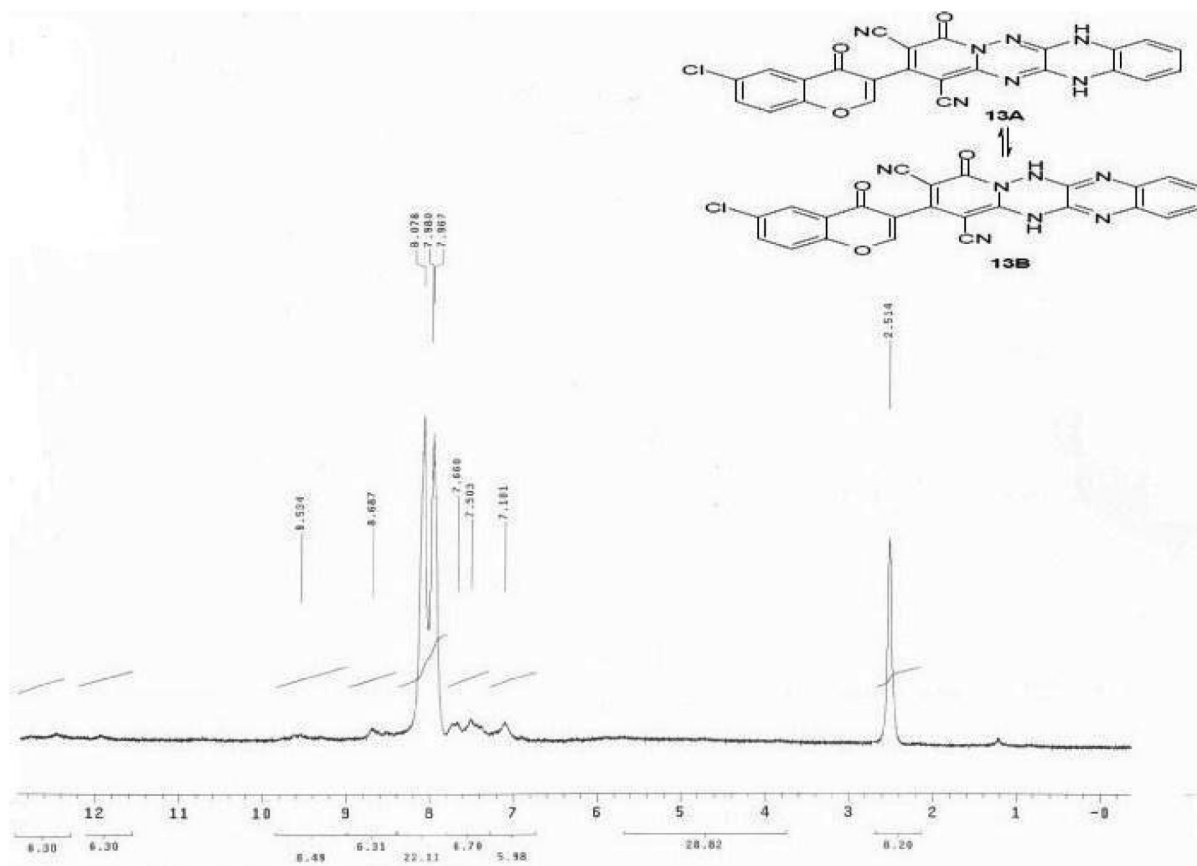
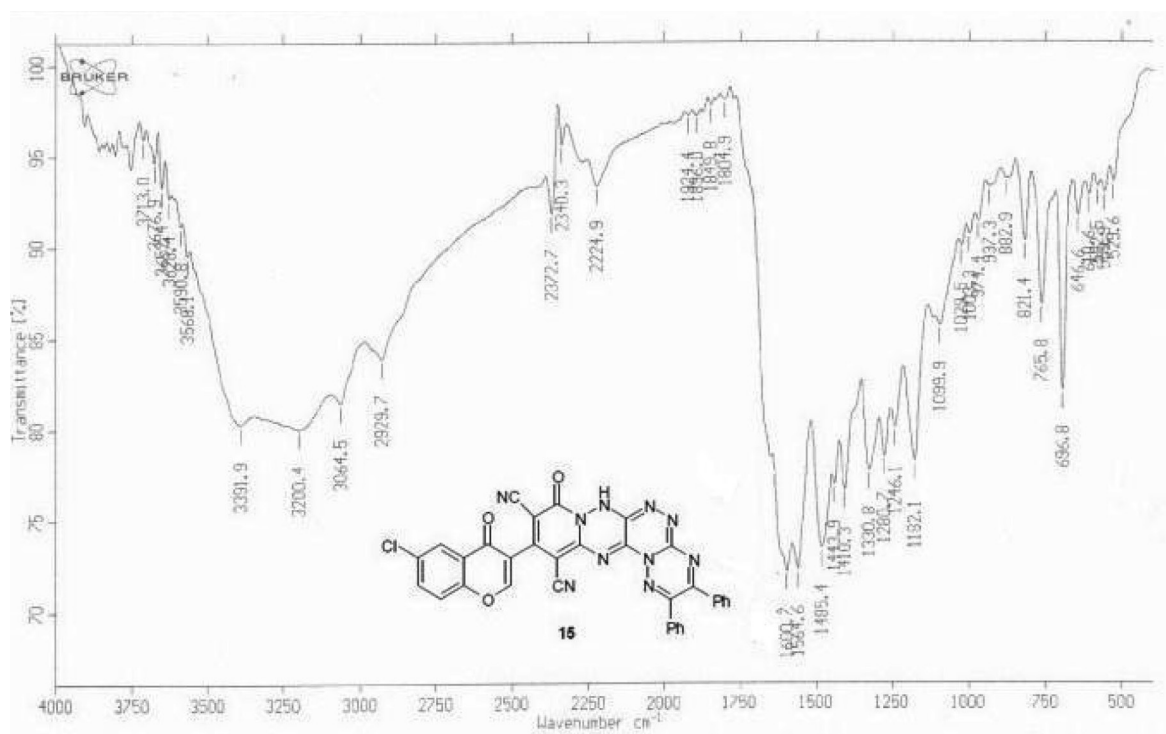
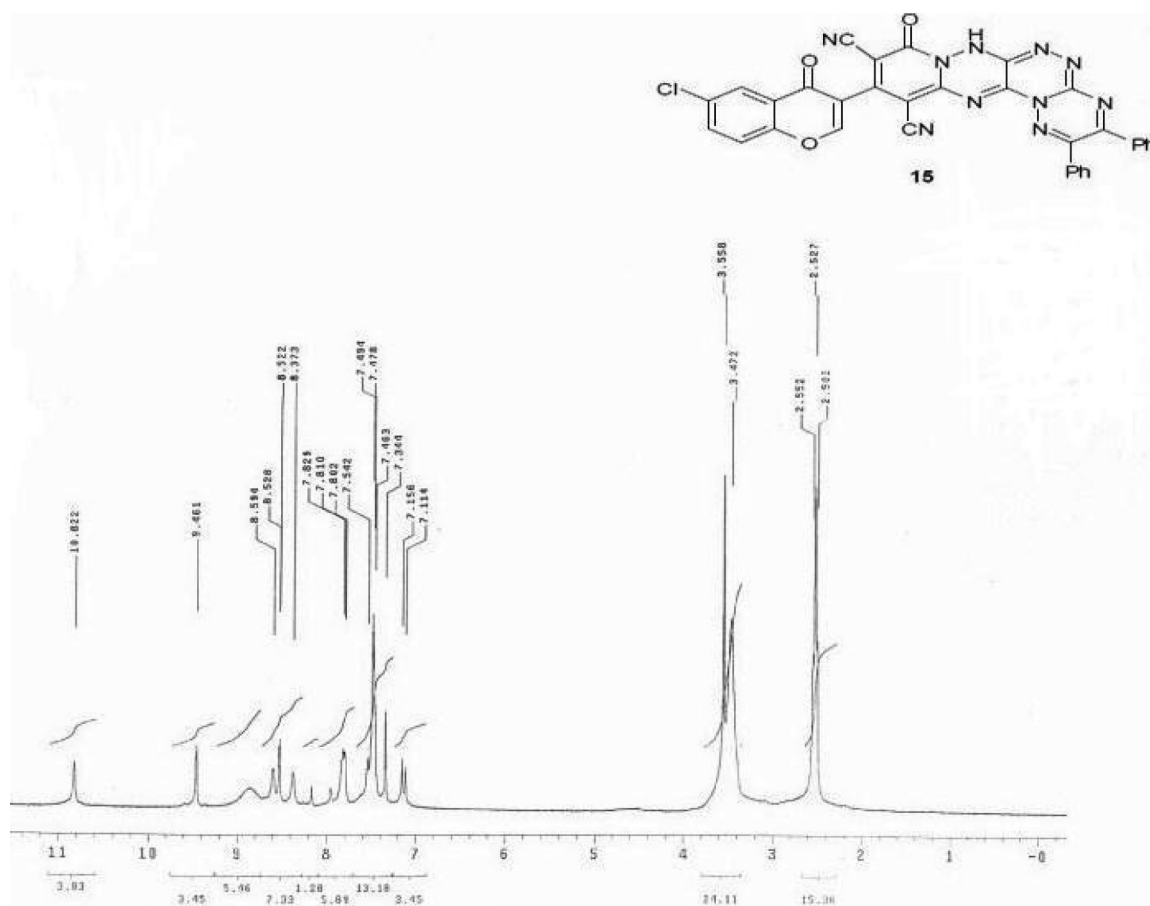
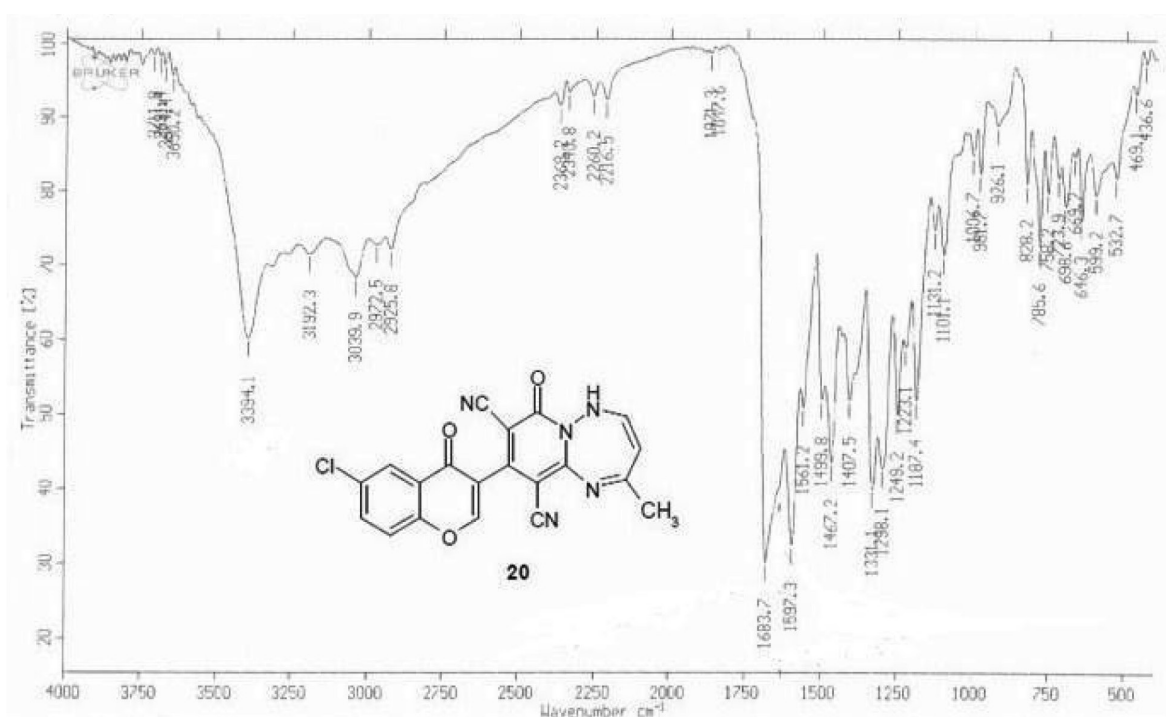
Figure S10. <sup>1</sup>H NMR spectrum of compound 13.

Figure S11. IR spectrum of compound 15.





**Figure S12.**  $^1\text{H}$  NMR spectrum of compound **15**.



**Figure S13.** IR spectrum of compound **20**.



**Figure S14.**  $^1\text{H}$  NMR spectrum of compound **20**.