

Synthesis of a novel heterocyclic scaffold utilizing 2-cyano-N-(3-cyano-4,6-dimethyl-2-oxopyridin-1-yl) acetamide

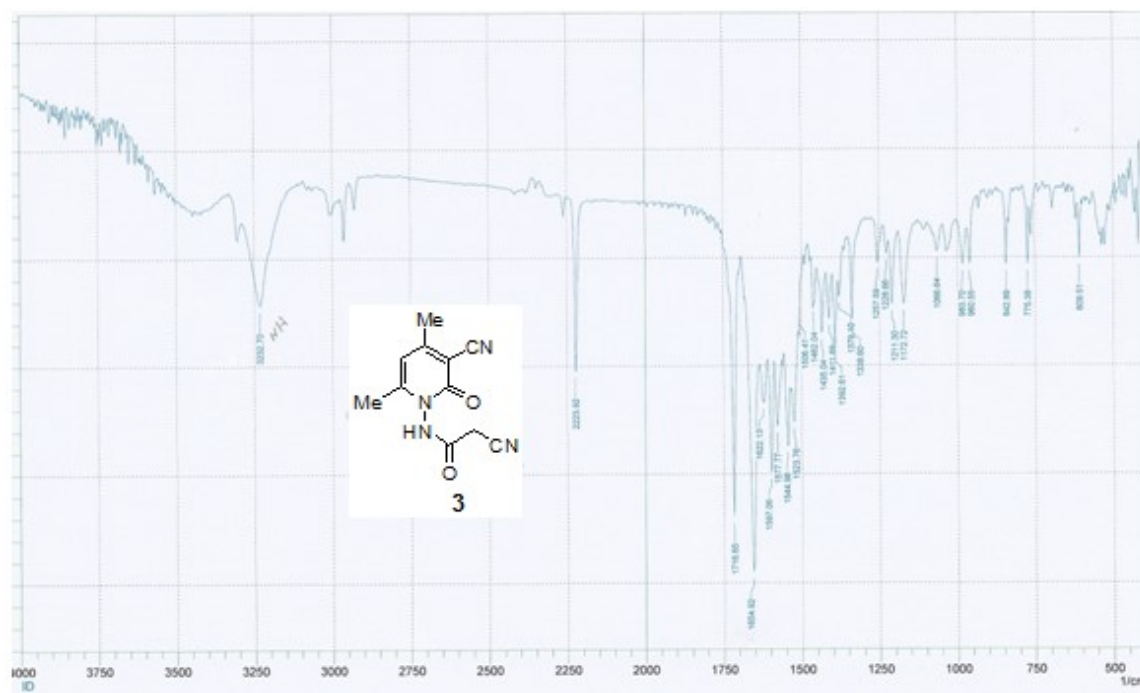
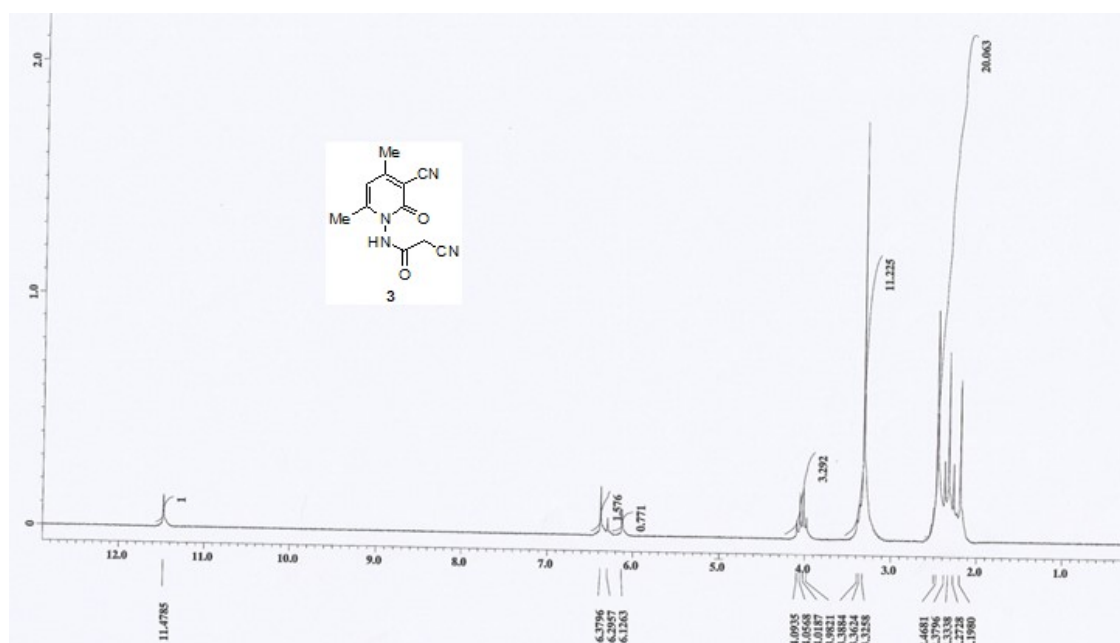
Rizk E. Khidre,^{a,b*} Diaa A. Ibrahim,^{a,c} Ibrahim Ali M. Radini ^a

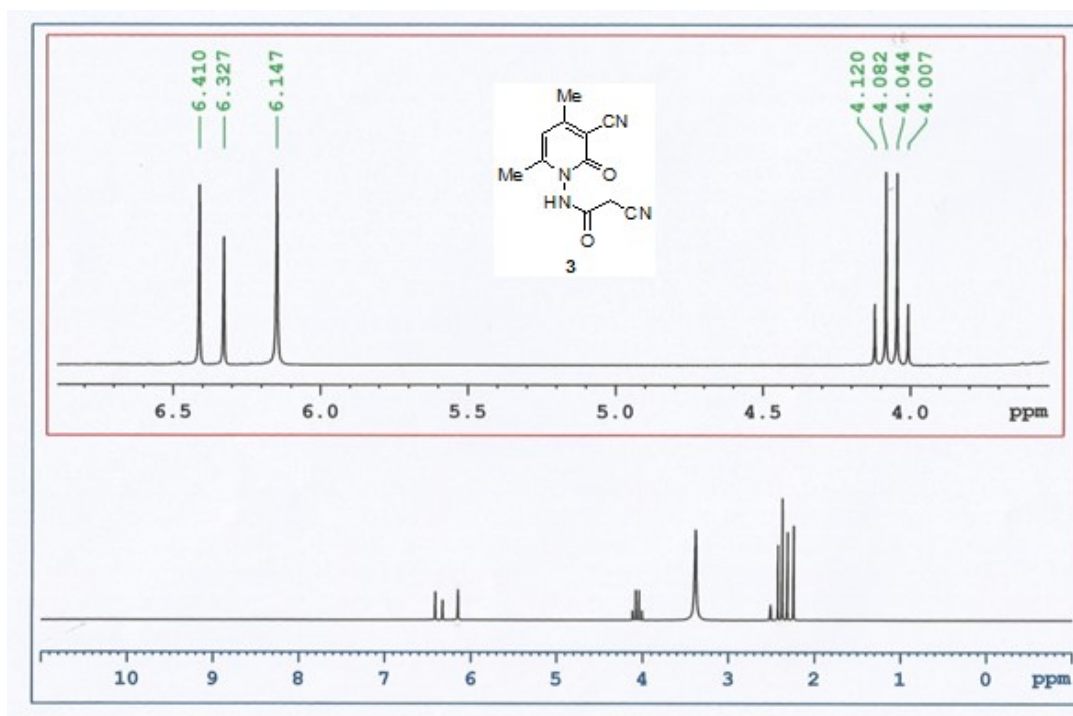
^a*Chemistry Department, Faculty of Science, Jazan University, Jazan, Saudi Arabia*

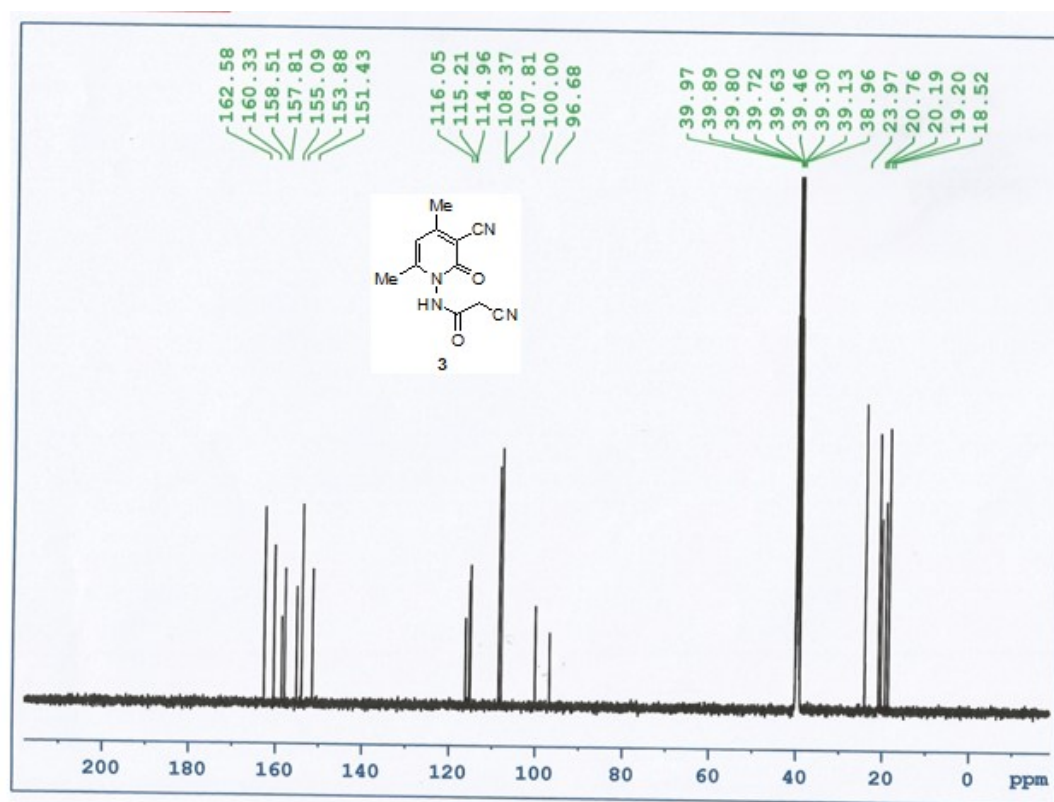
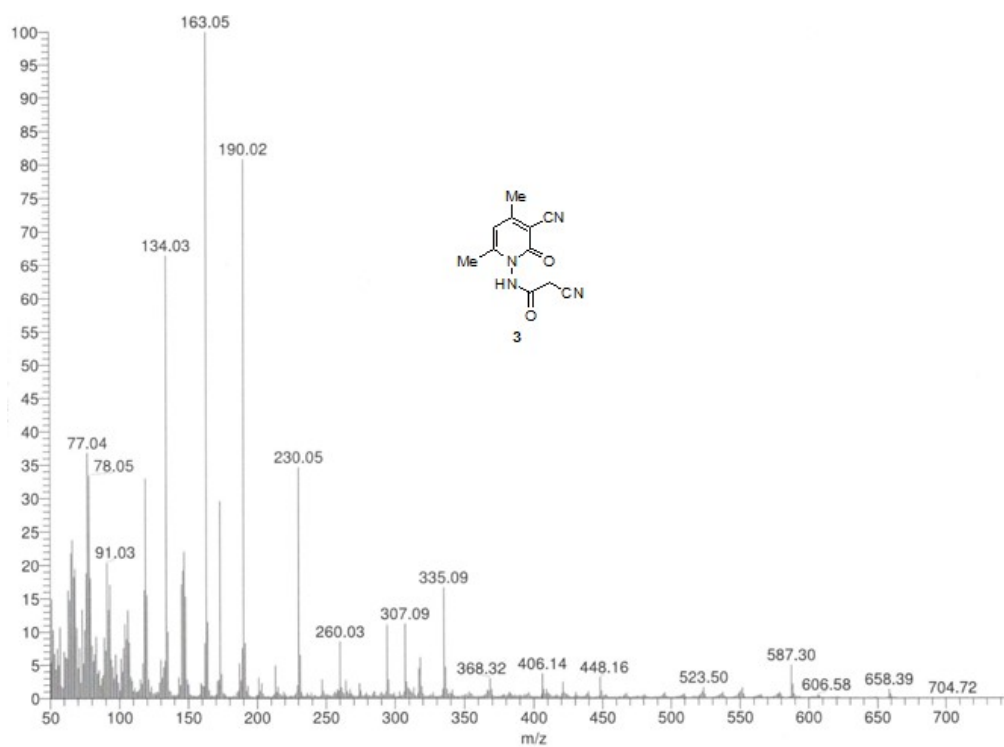
^b*Chemical Industries Division, National Research Centre, Dokki, 12622, Giza, Egypt*

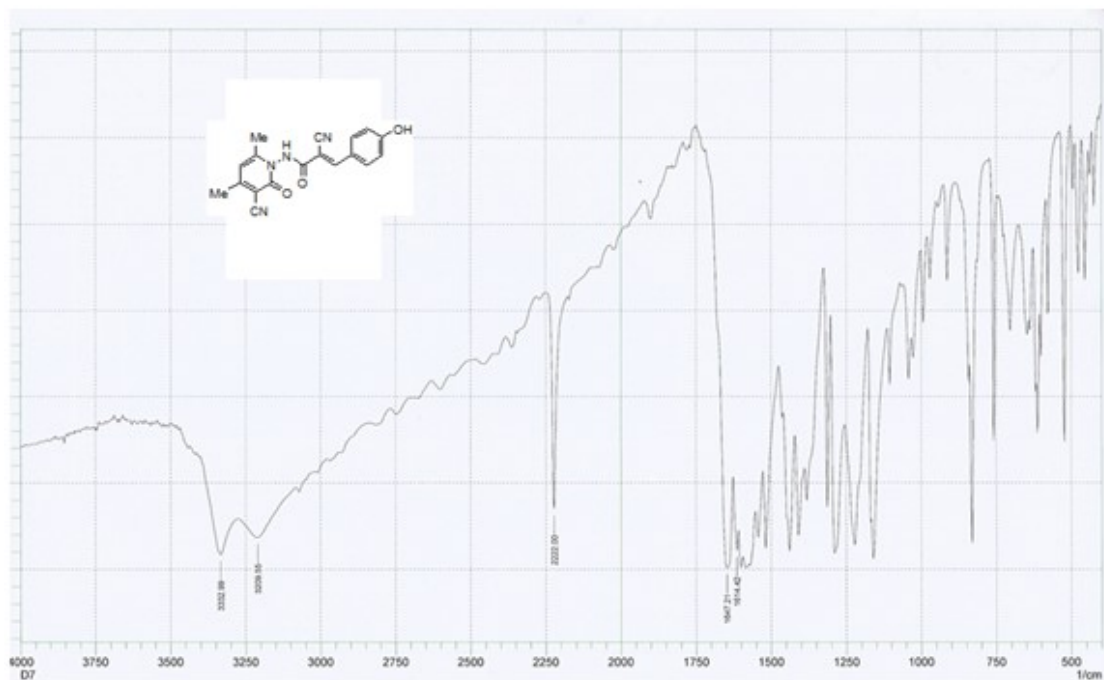
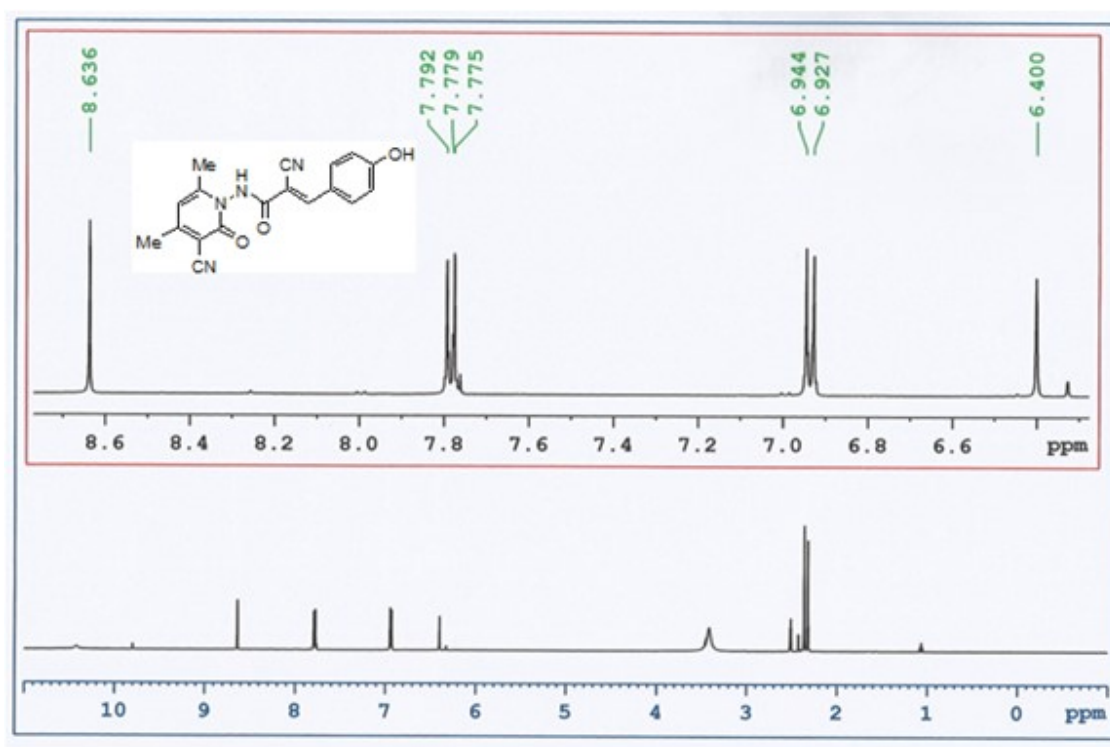
^c*National Organization for Drug Control & Research, P.O. Box: 29, Giza 112313, Egypt*

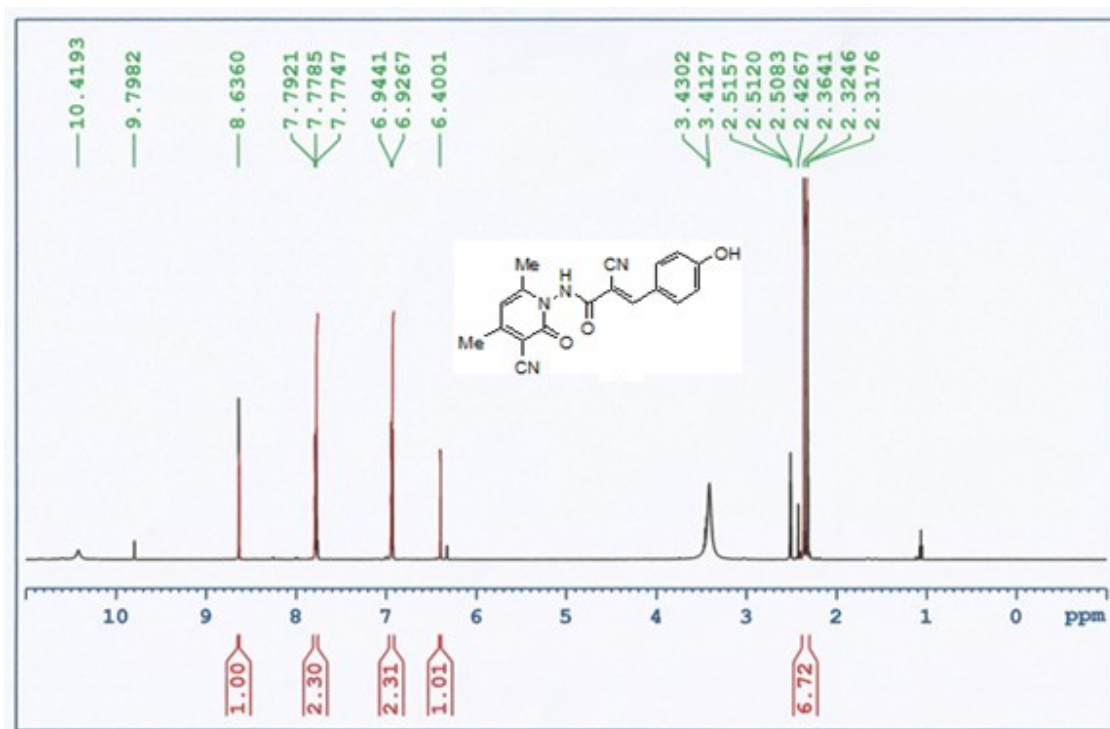
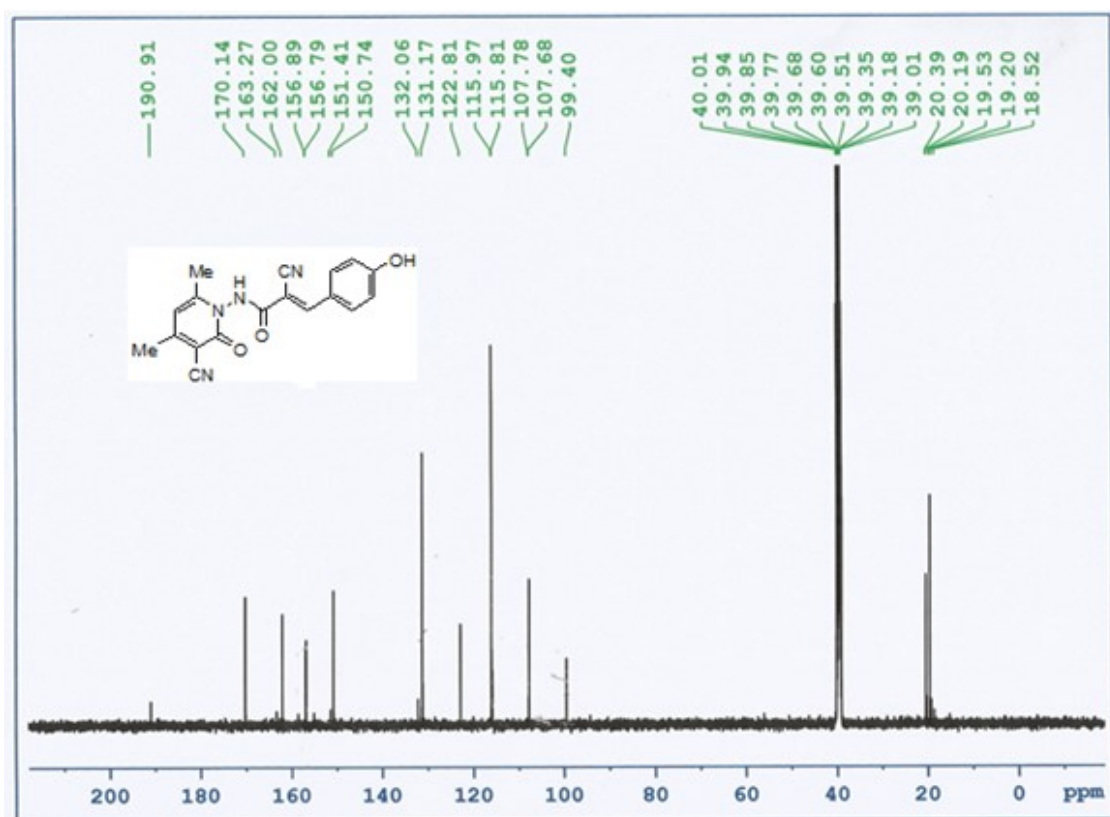
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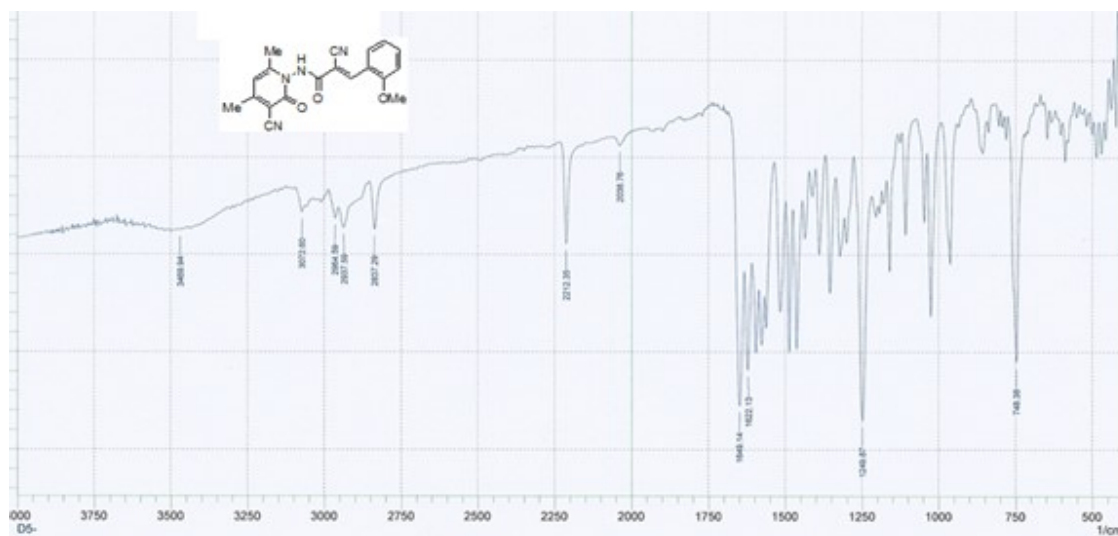
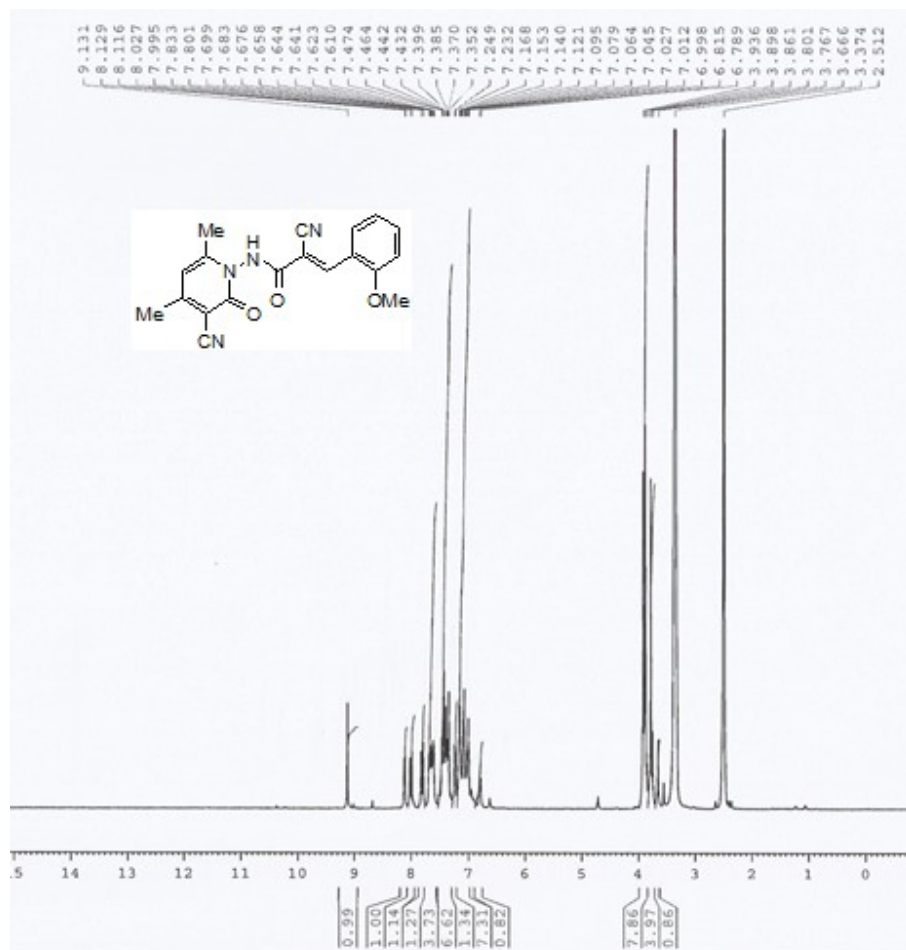
IR spectrum of compound **3**¹H NMR of spectrum of compound **3**

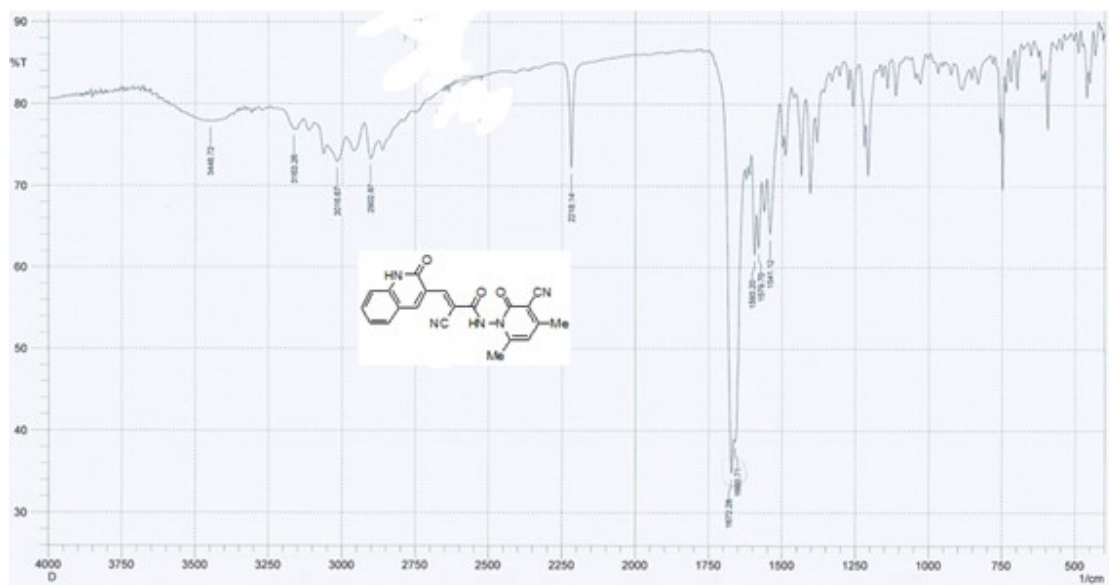
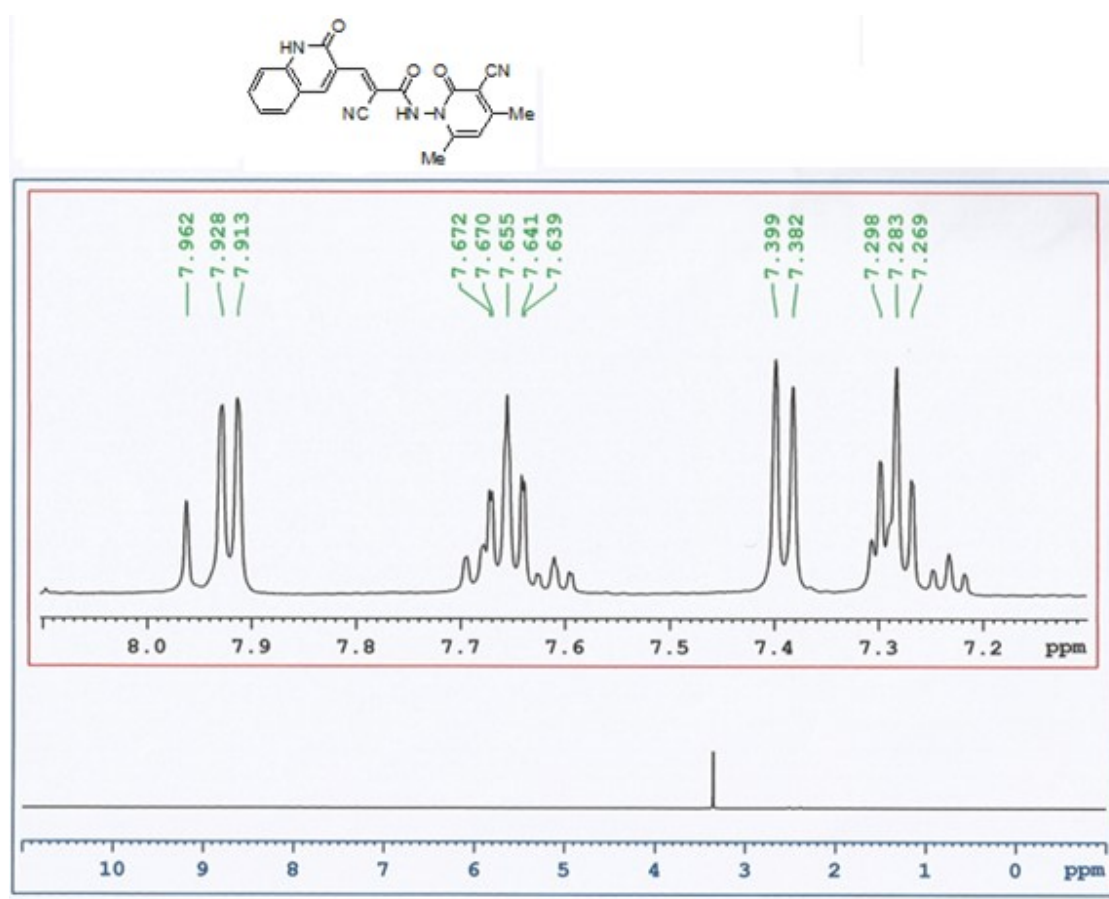
 ^1H NMR spectrum of compound **3**

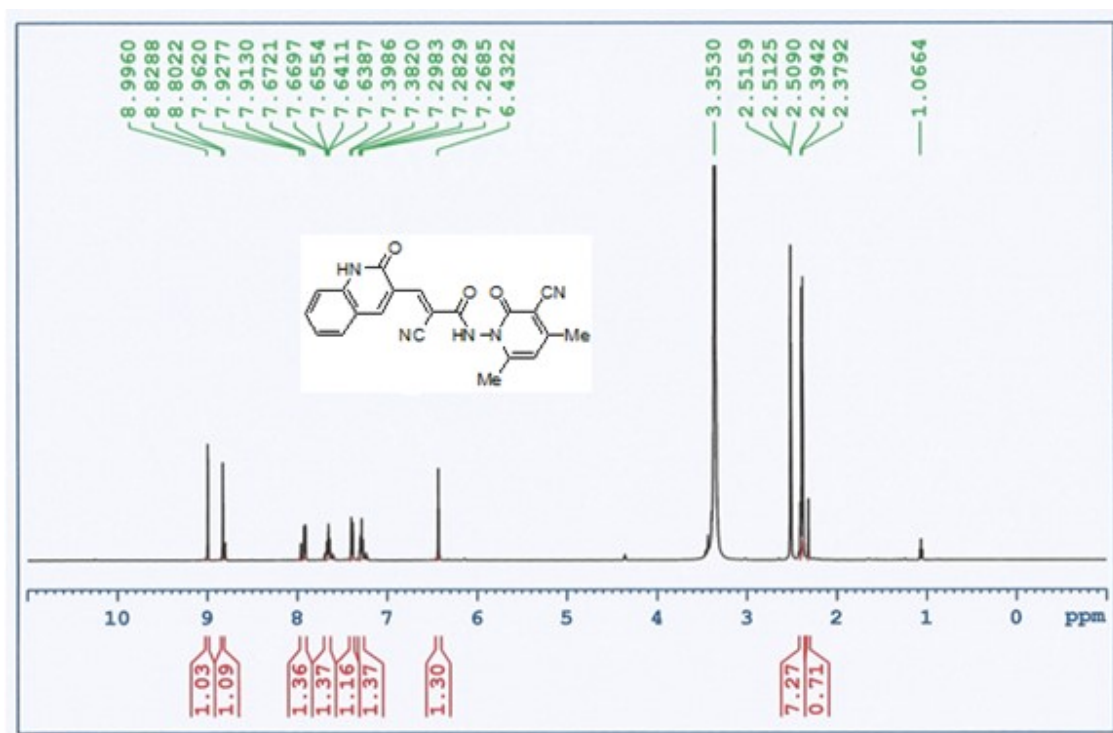
¹³C NMR spectrum of compound **3**Mass spectrum of compound **3**

IR spectrum of compound **5c**¹H NMR spectrum of compound **5c**

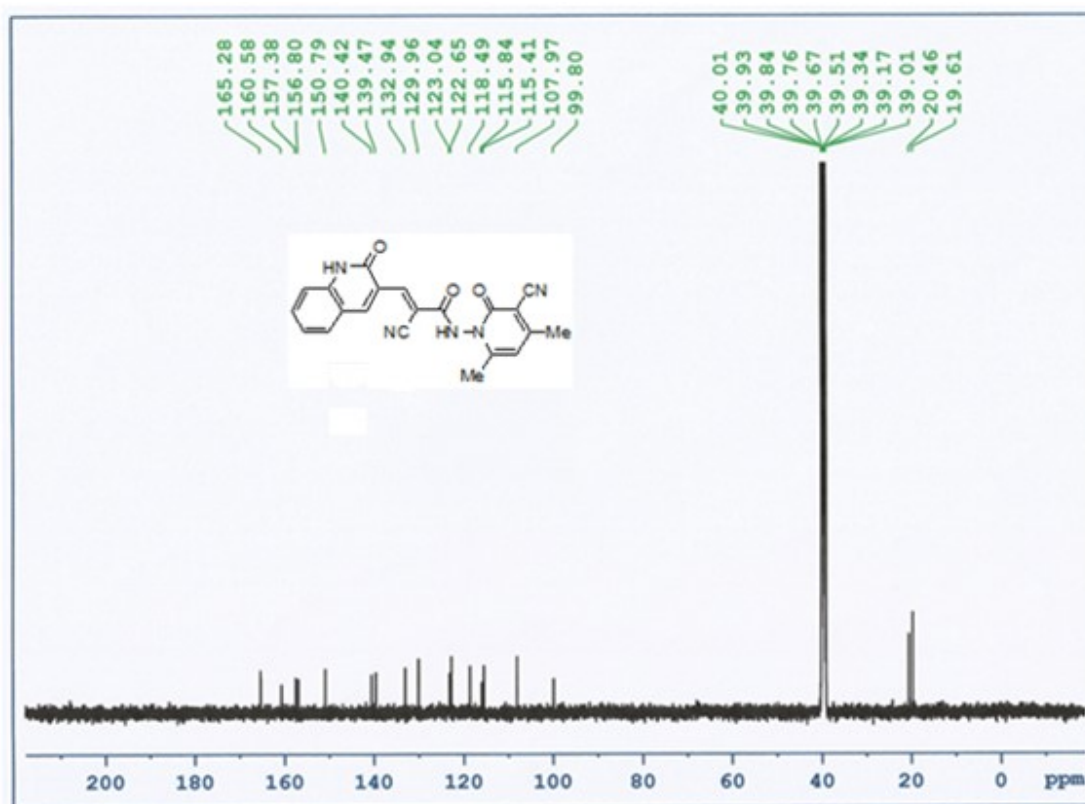
¹H NMR spectrum of compound **5c**¹³C NMR spectrum of compound **5c**

IR Spectrum of compound **5e**¹H NMR spectrum of compound **5e**

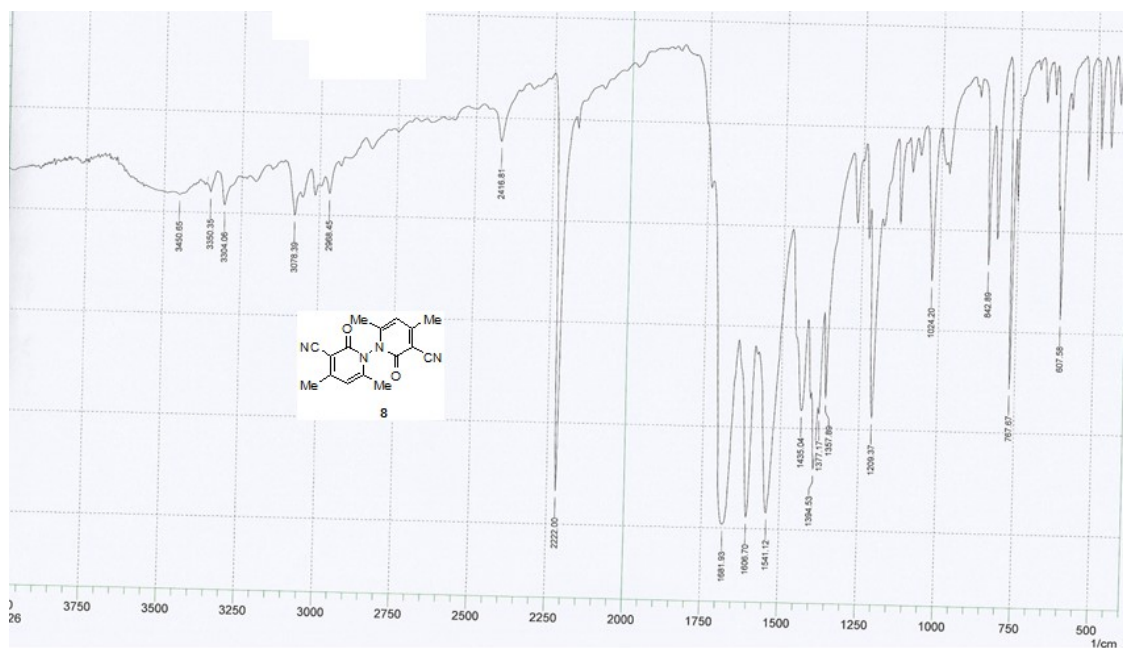
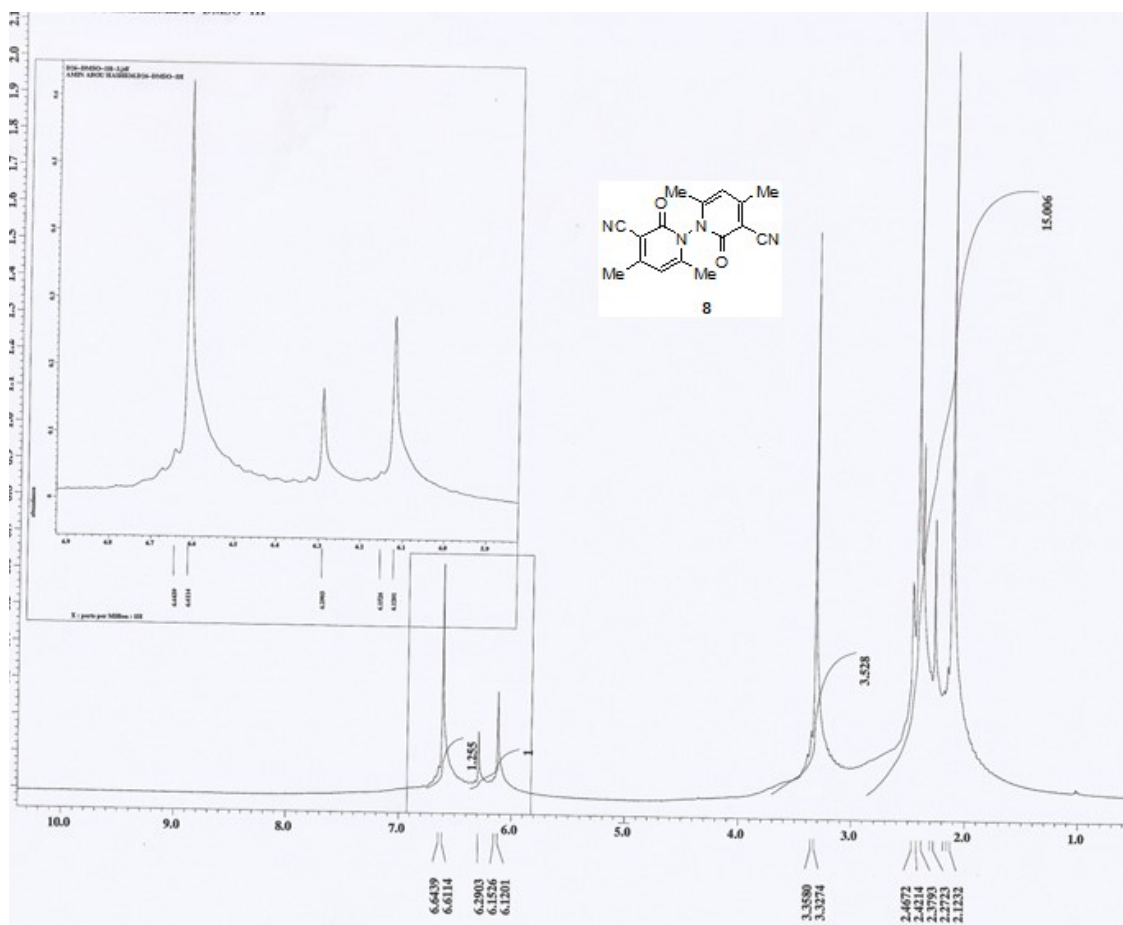
IR spectrum of compound **5f**¹H NMR spectrum of compound **5f**

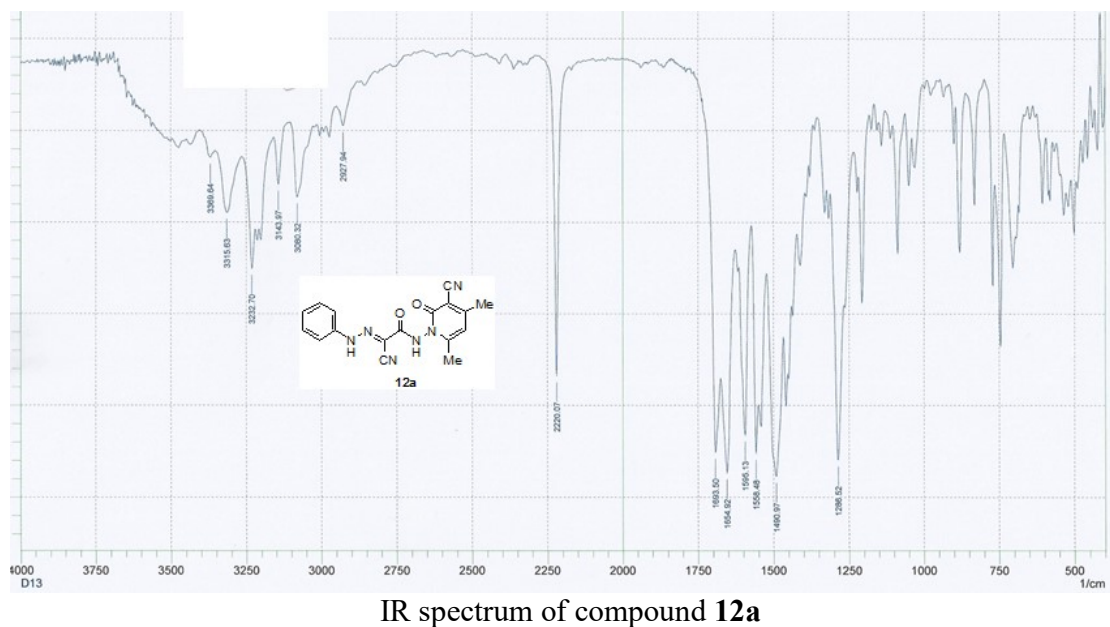
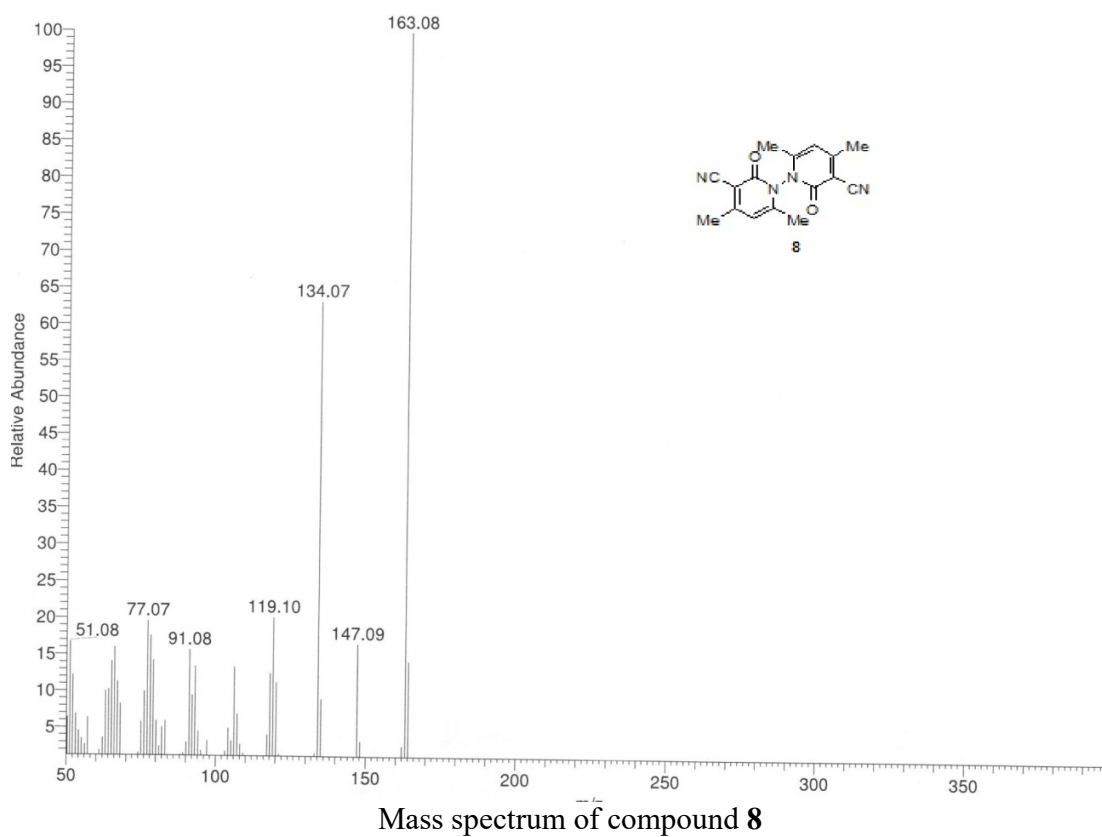


¹H NMR spectrum of compound **5f**



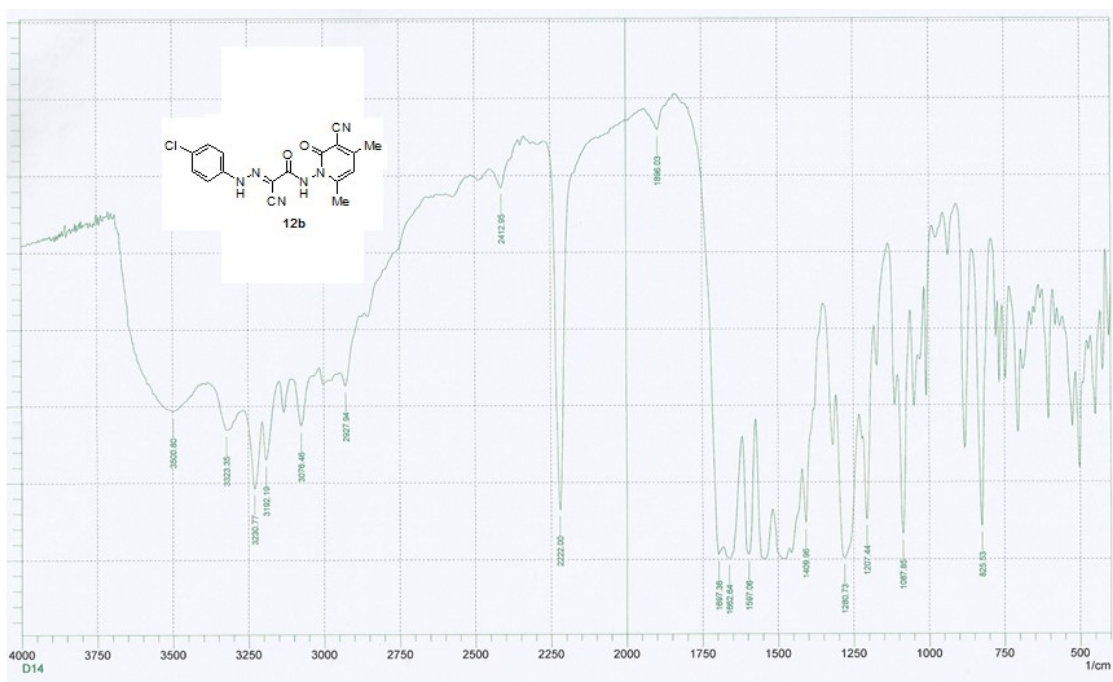
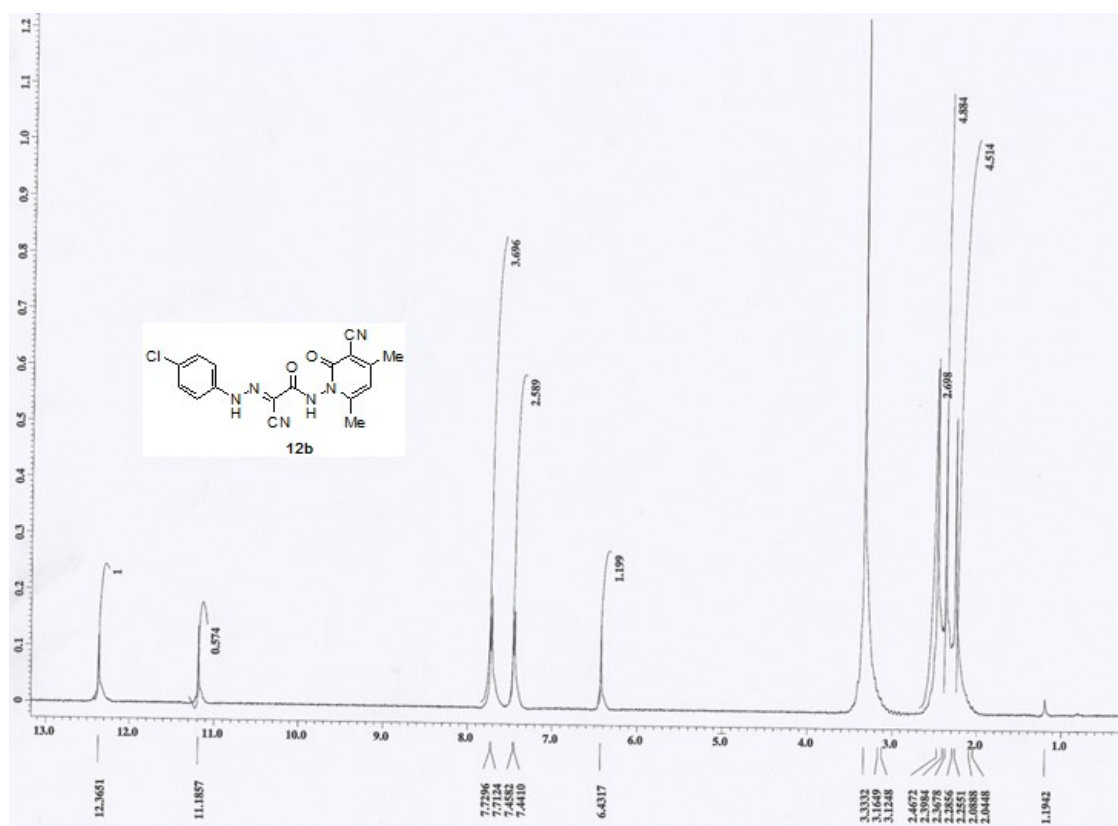
¹³C NMR spectrum of compound **5f**

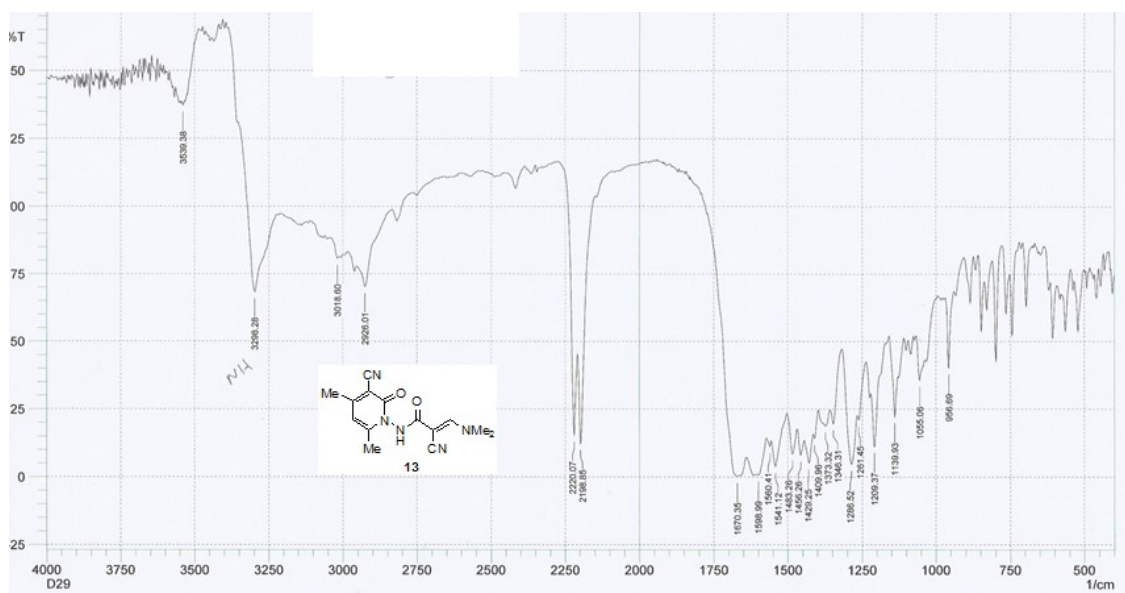
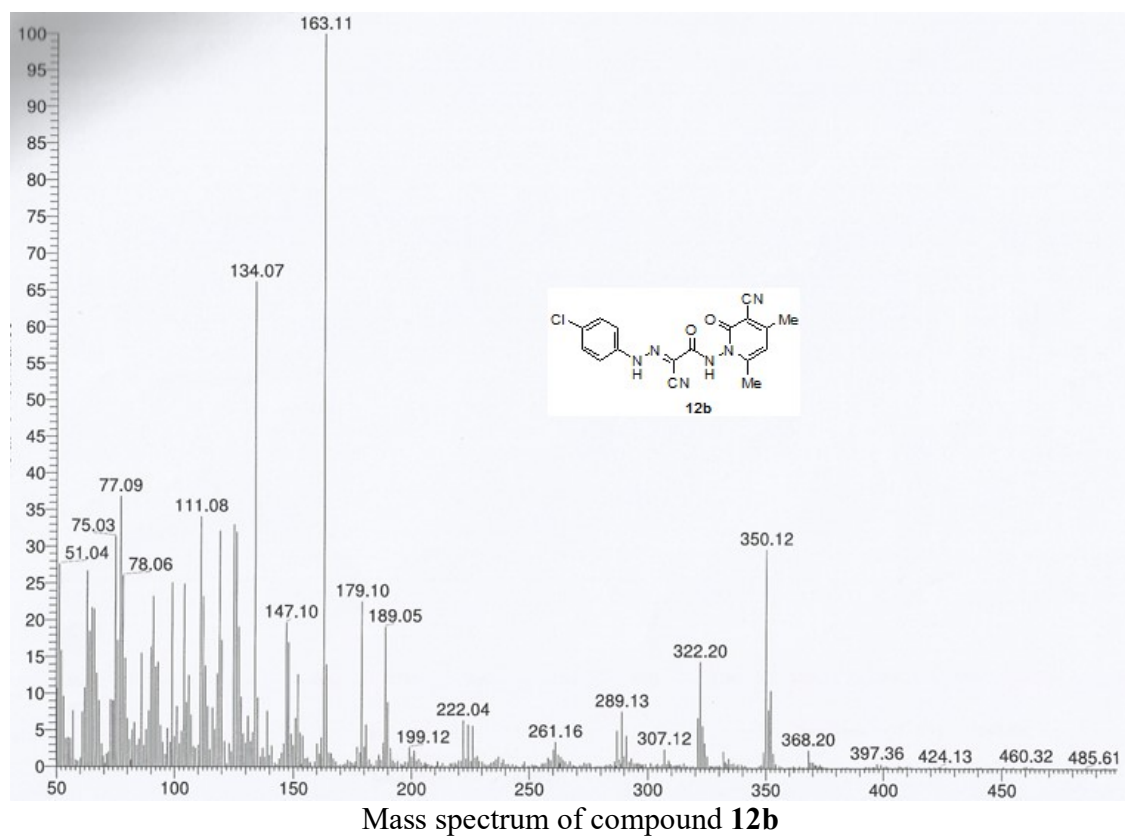
IR spectrum of compound **8** ^1H NMR spectrum of compound **8**

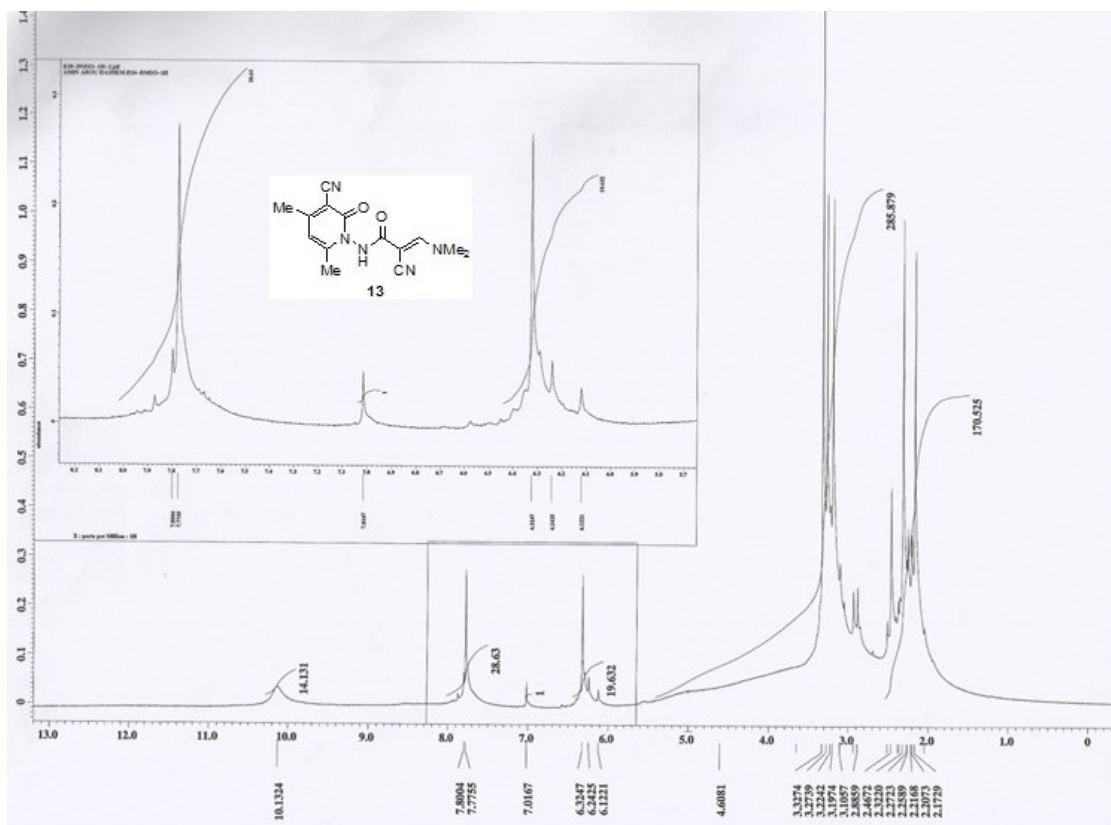




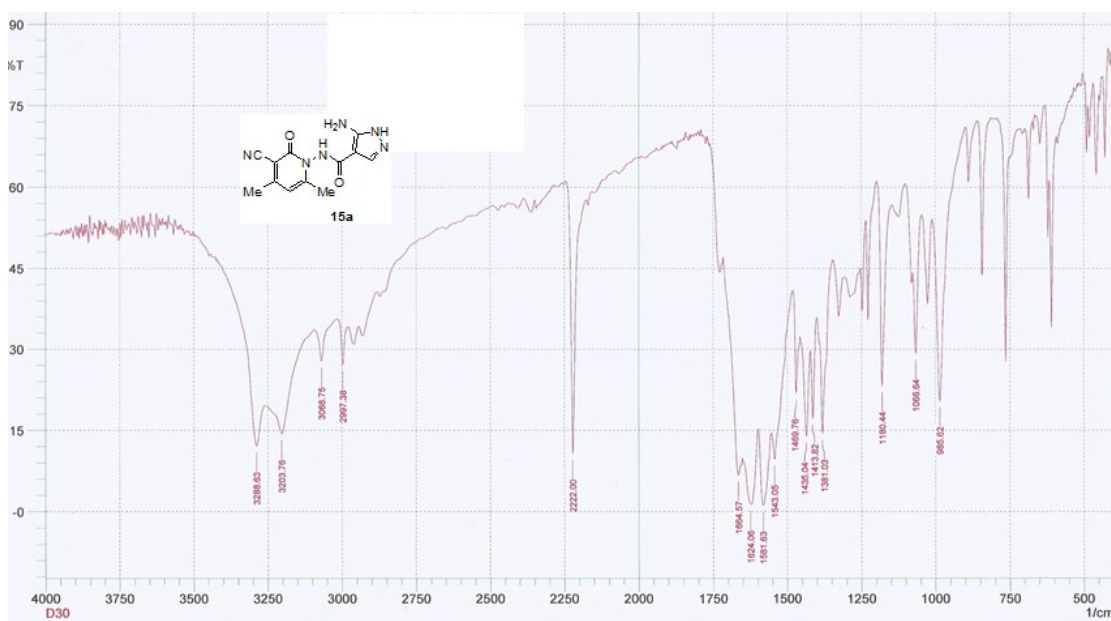
¹H NMR spectrum of compound **12a**

IR spectrum of compound **12b**¹H NMR spectrum of compound **12b**

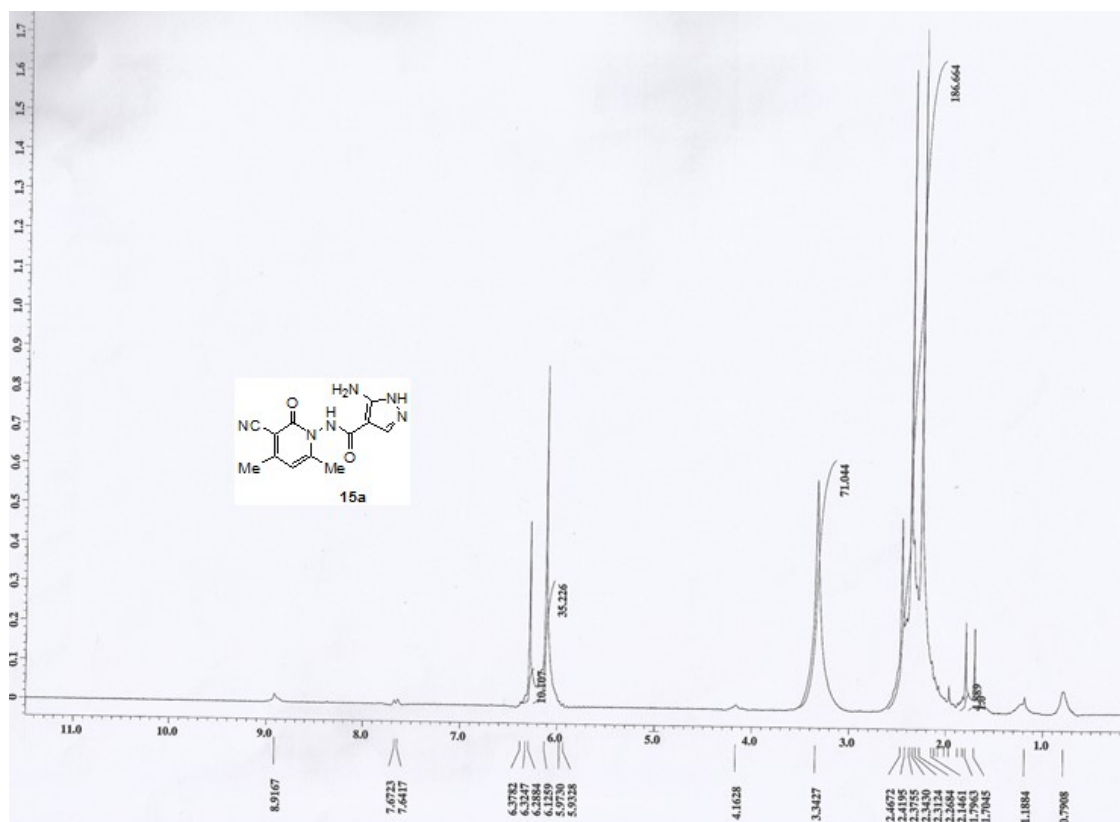




¹H NMR spectrum of compound **13**



IR spectrum of compound **15a**



^1H NMR spectrum of compound **15a**