

Supporting Information for:

Imidazole as organocatalyst for multicomponent reactions: Diversity oriented synthesis of functionalized hetero and carbocycles using in situ-generated benzylidenemalononitrile derivatives

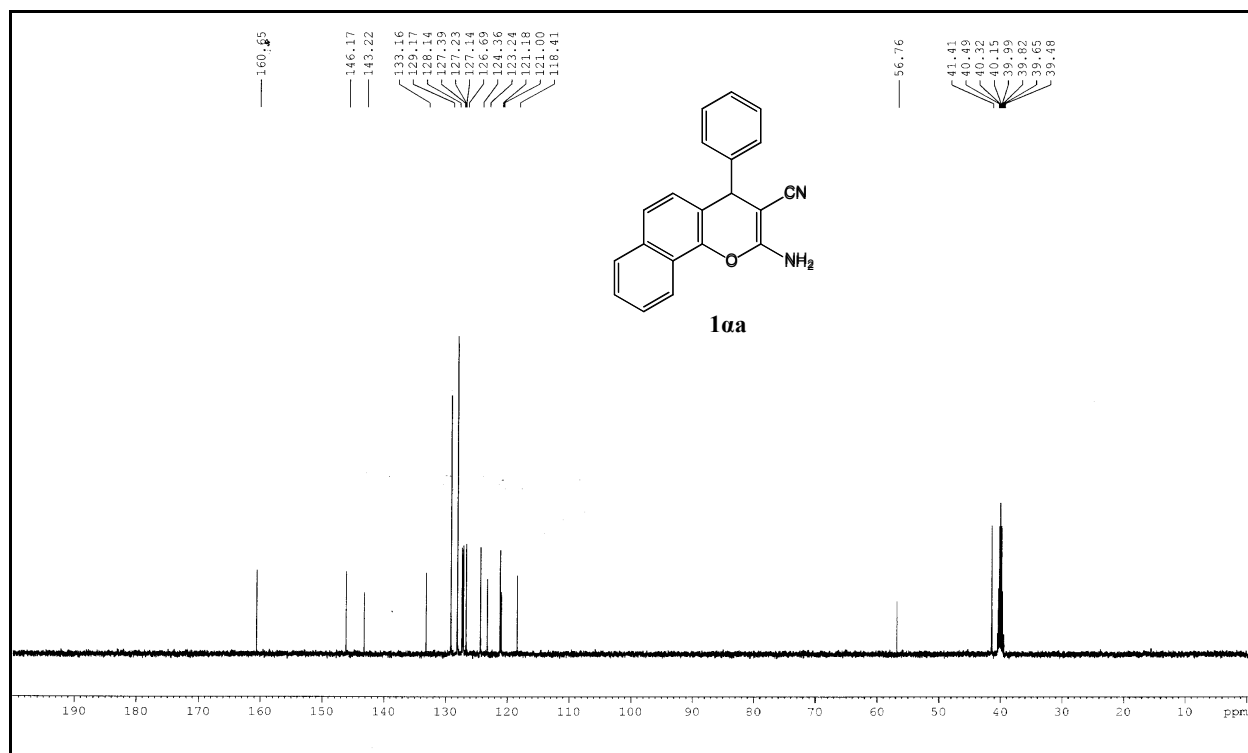
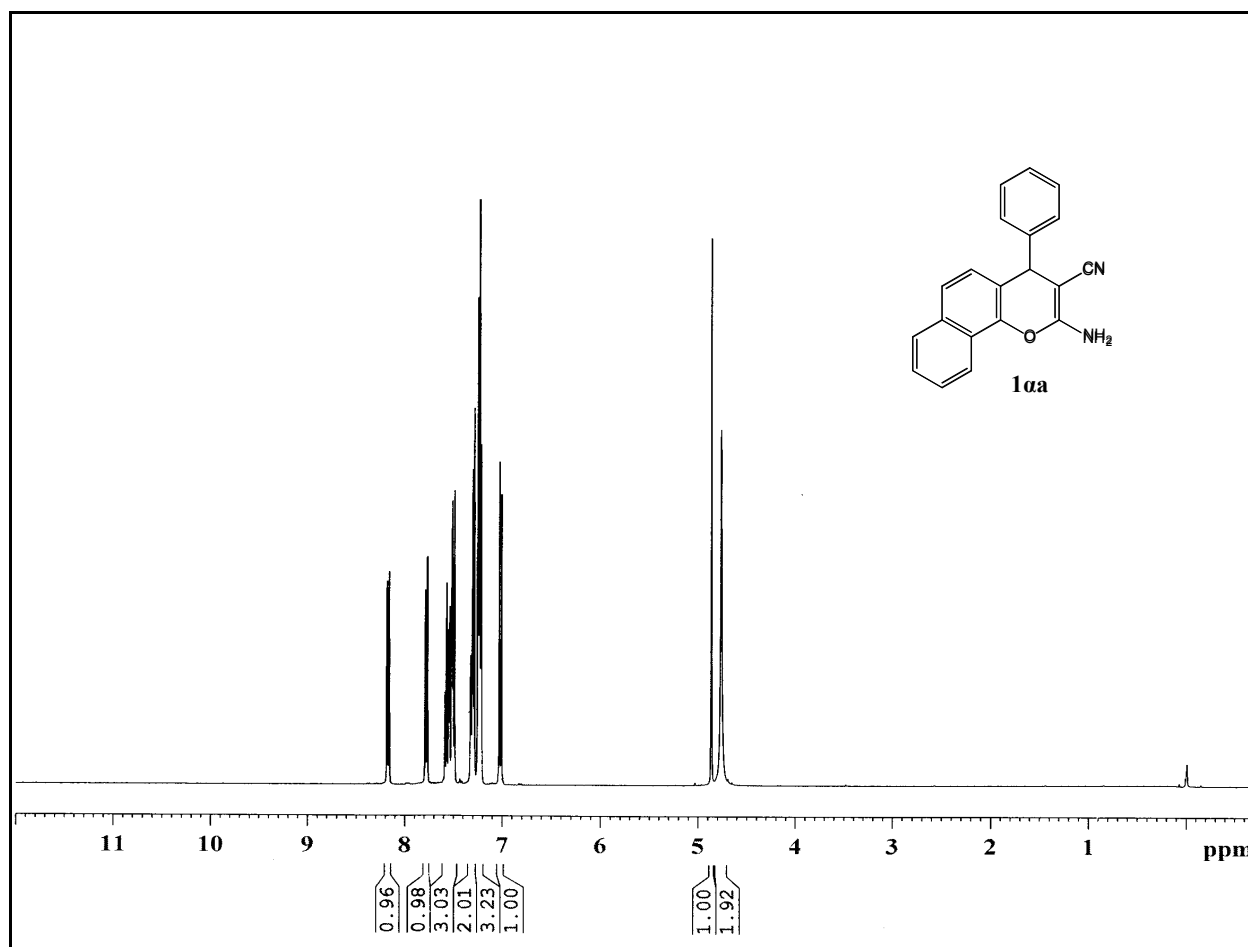
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Department of Chemistry, Indian Institute of Technology Patna, Bihar-800 013, India

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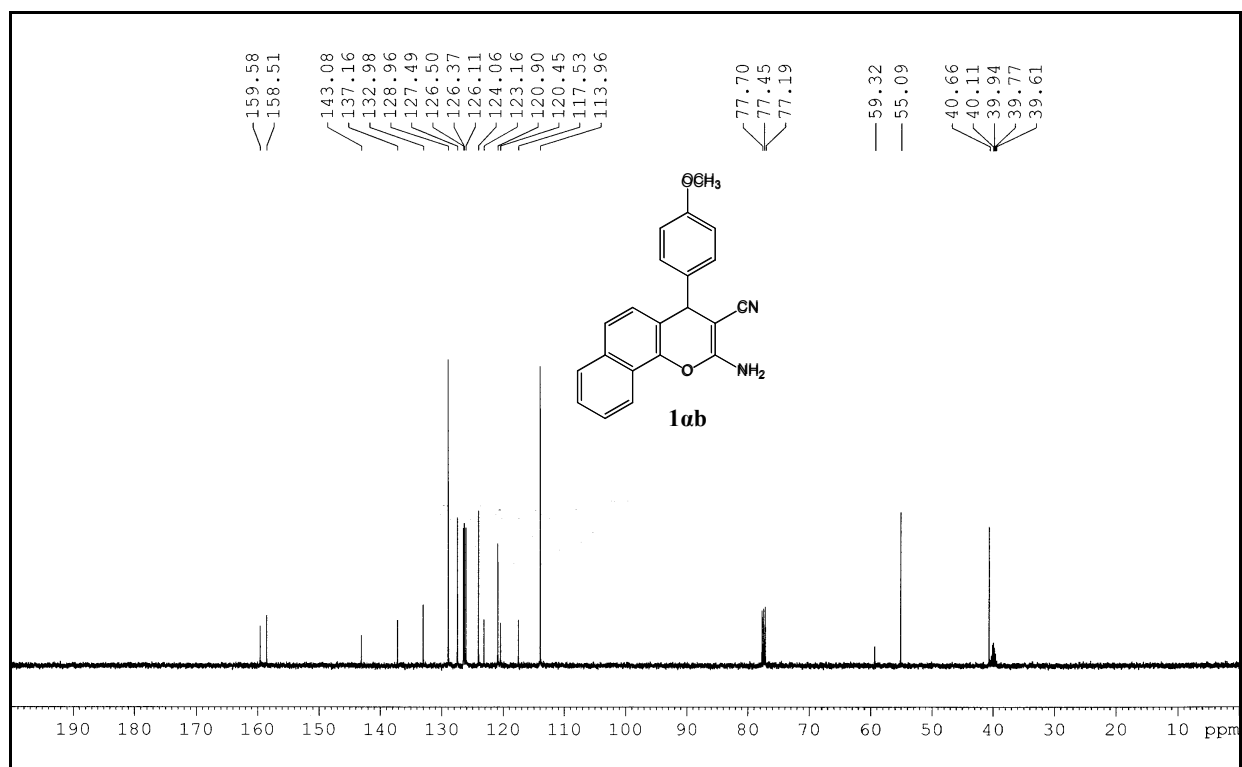
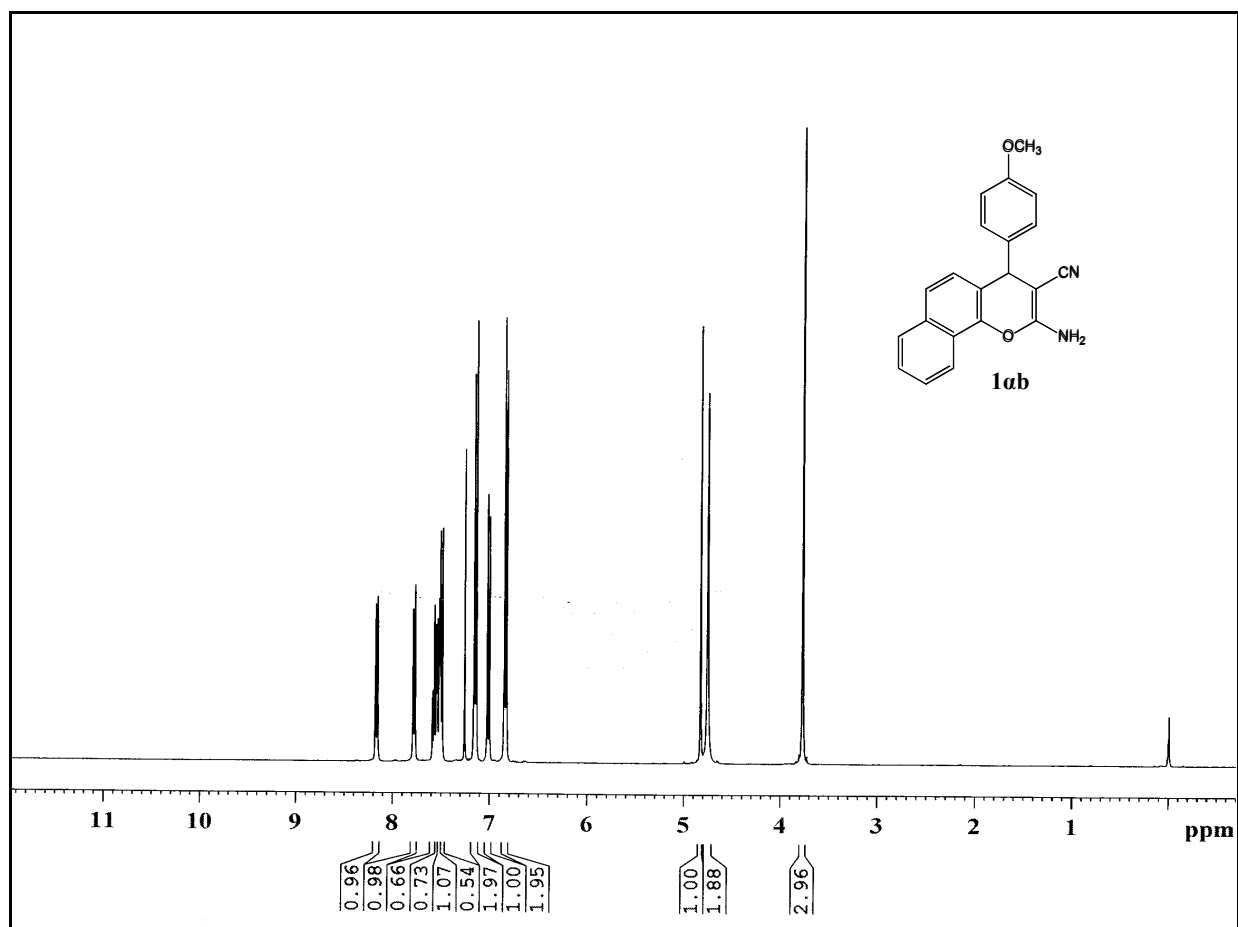
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Copies of ^1H and ^{13}C NMR spectra of all Compounds 2S-32S

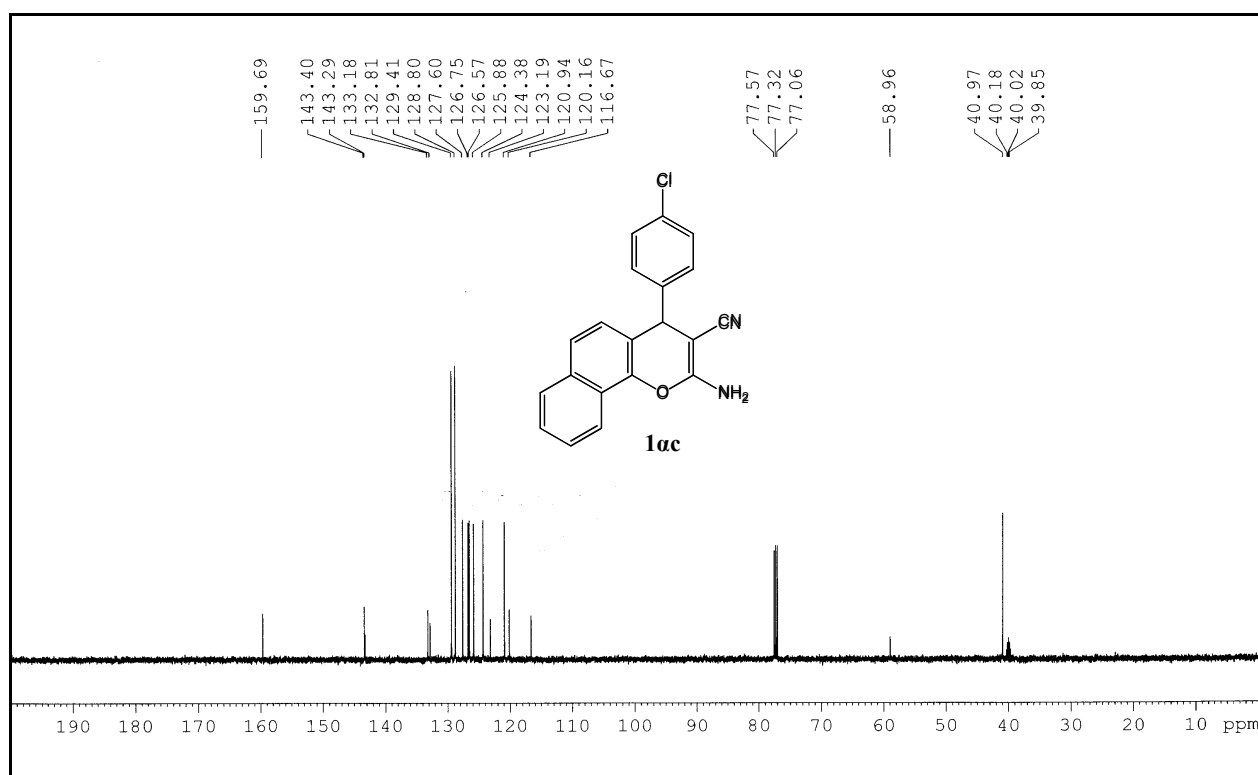
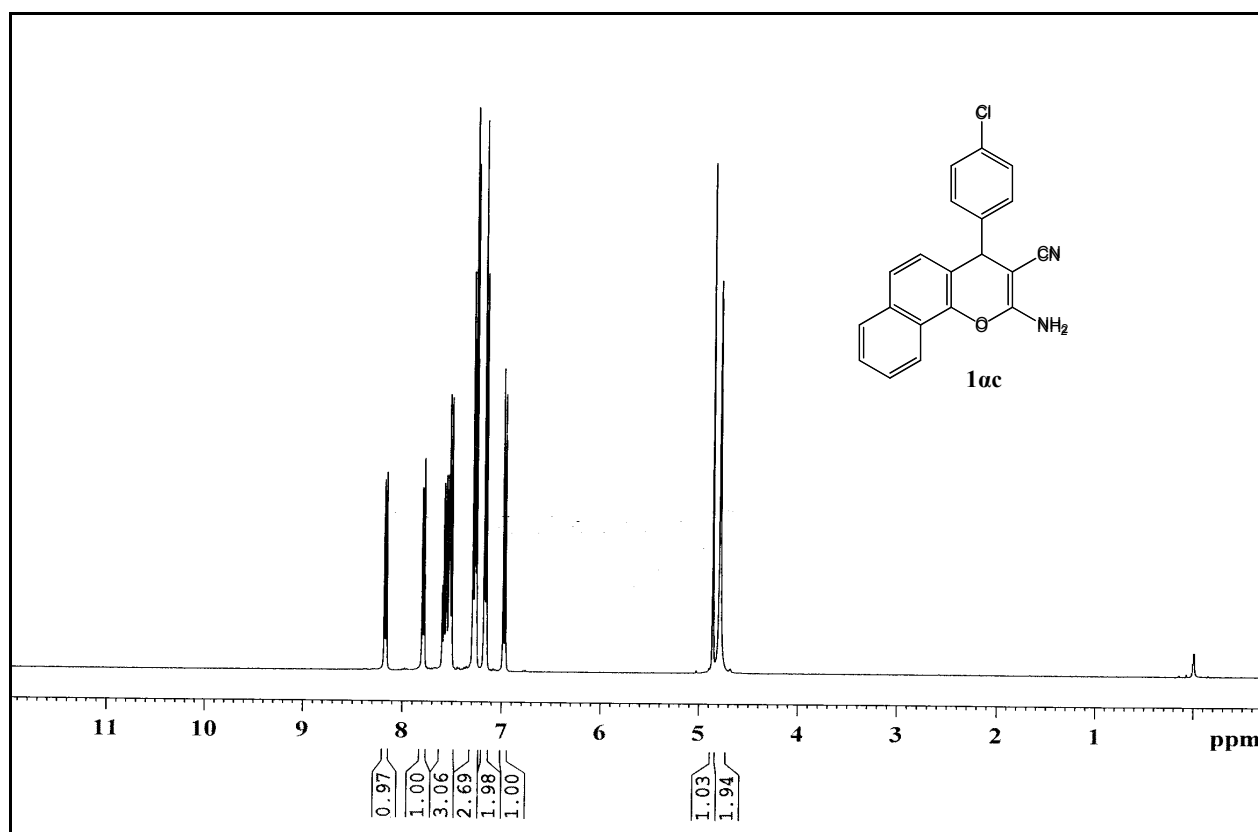
^1H and ^{13}C NMR spectra for **1aa**



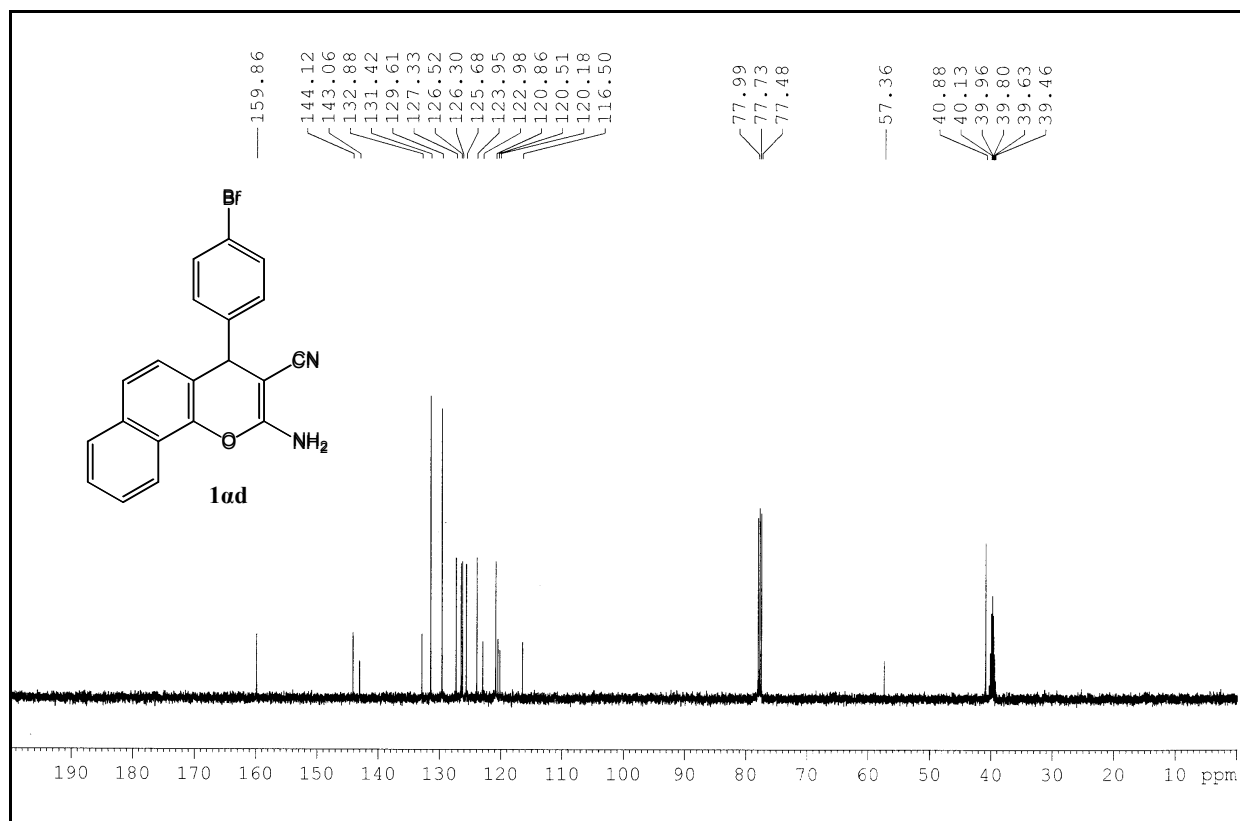
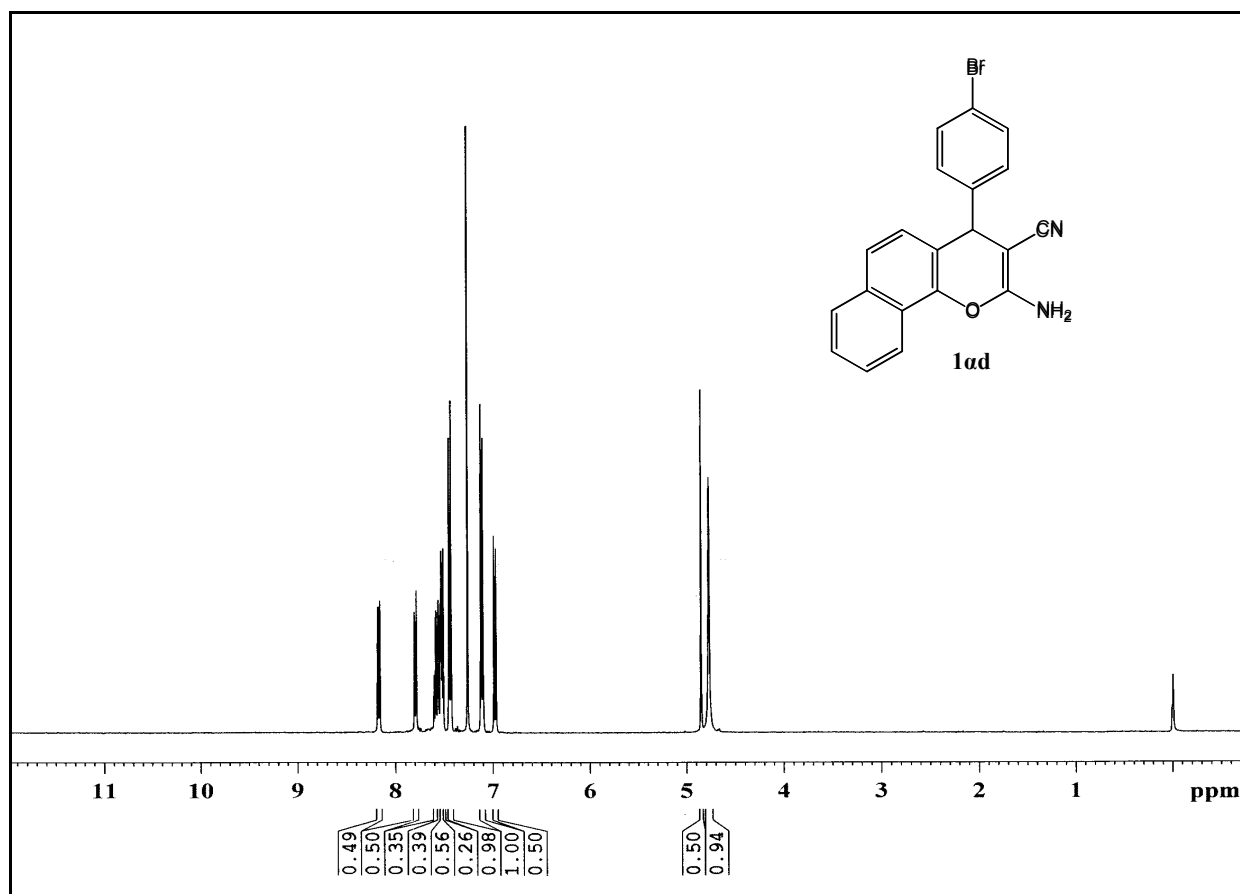
^1H and ^{13}C NMR spectra for **1ab**



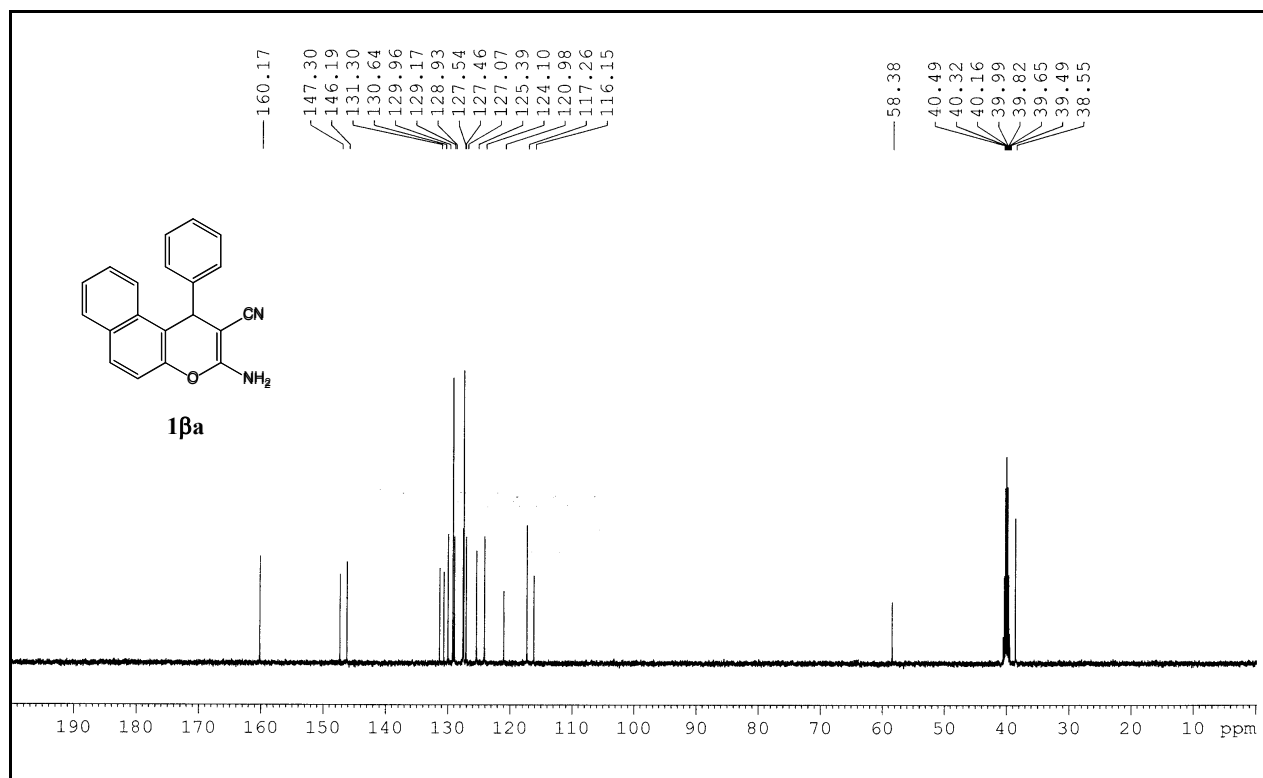
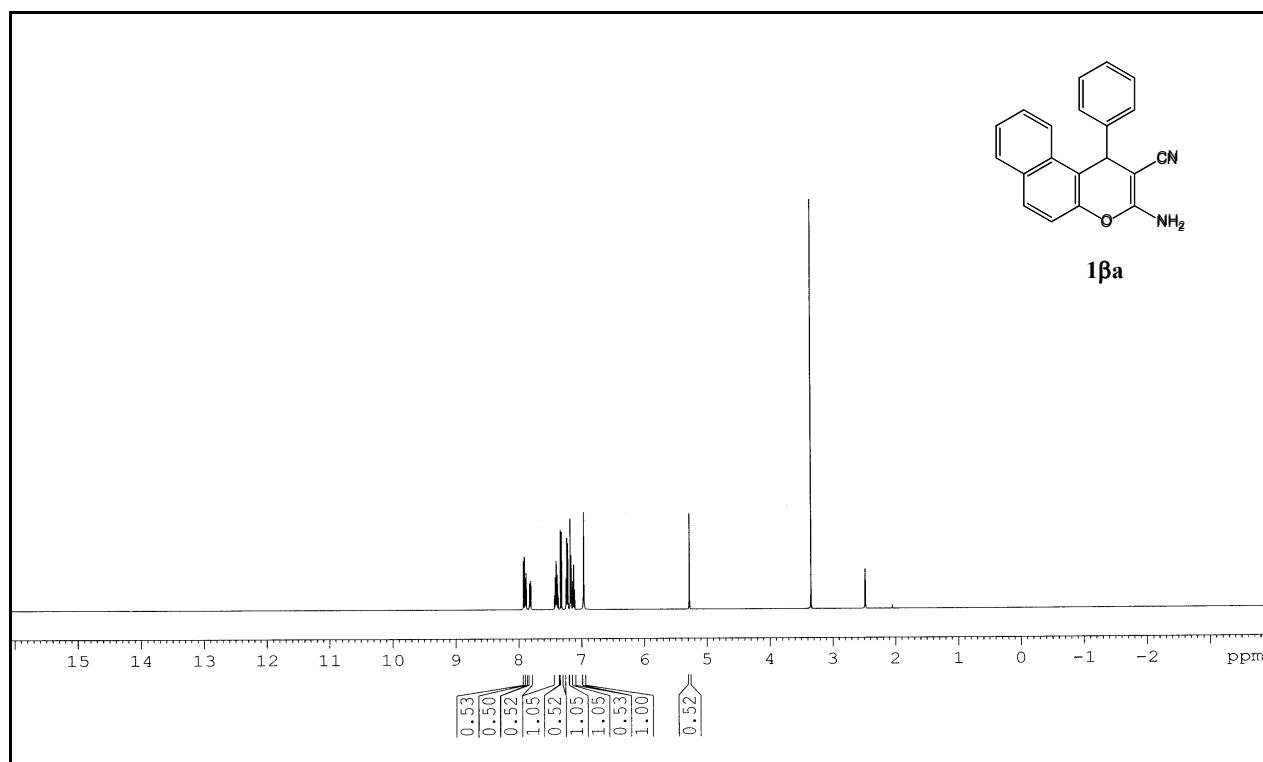
^1H and ^{13}C NMR spectra for **1ac**



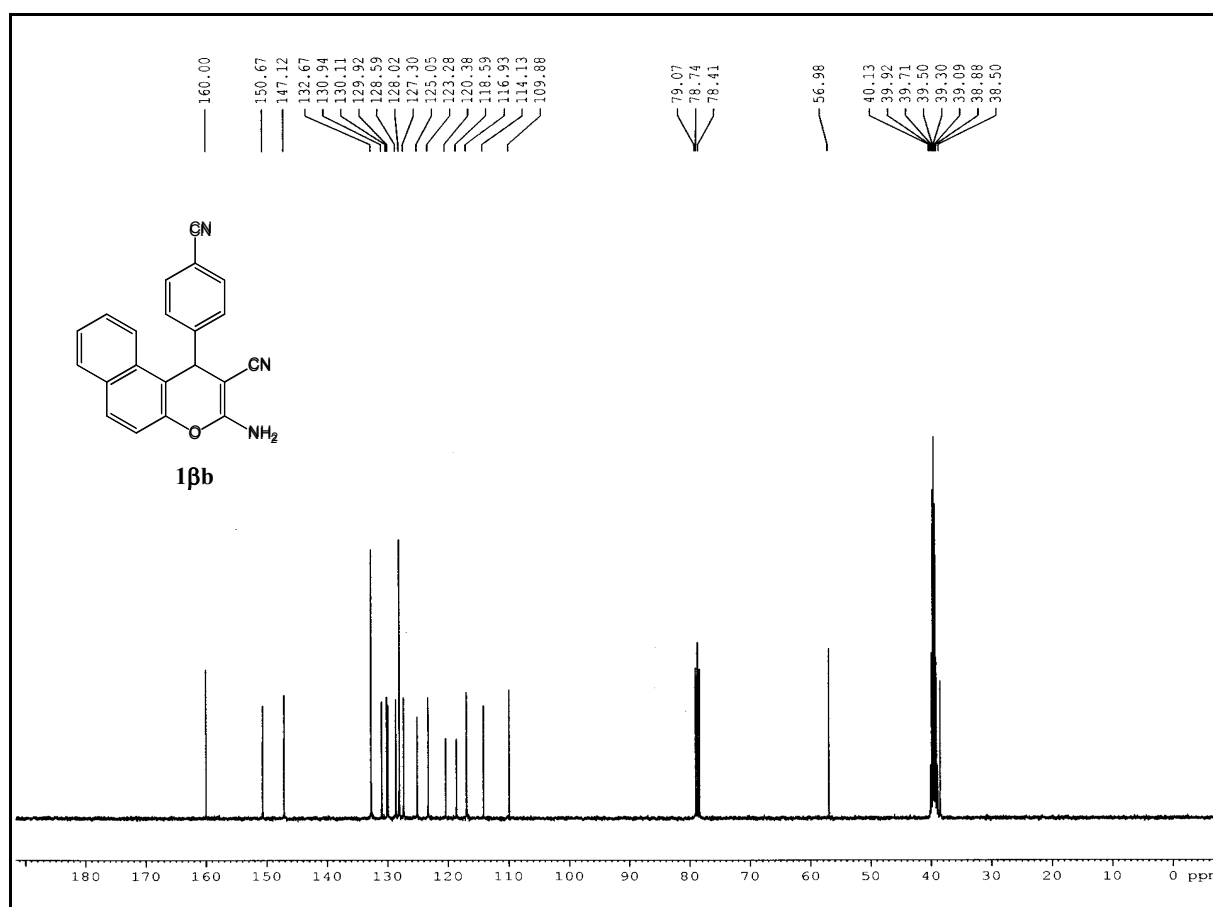
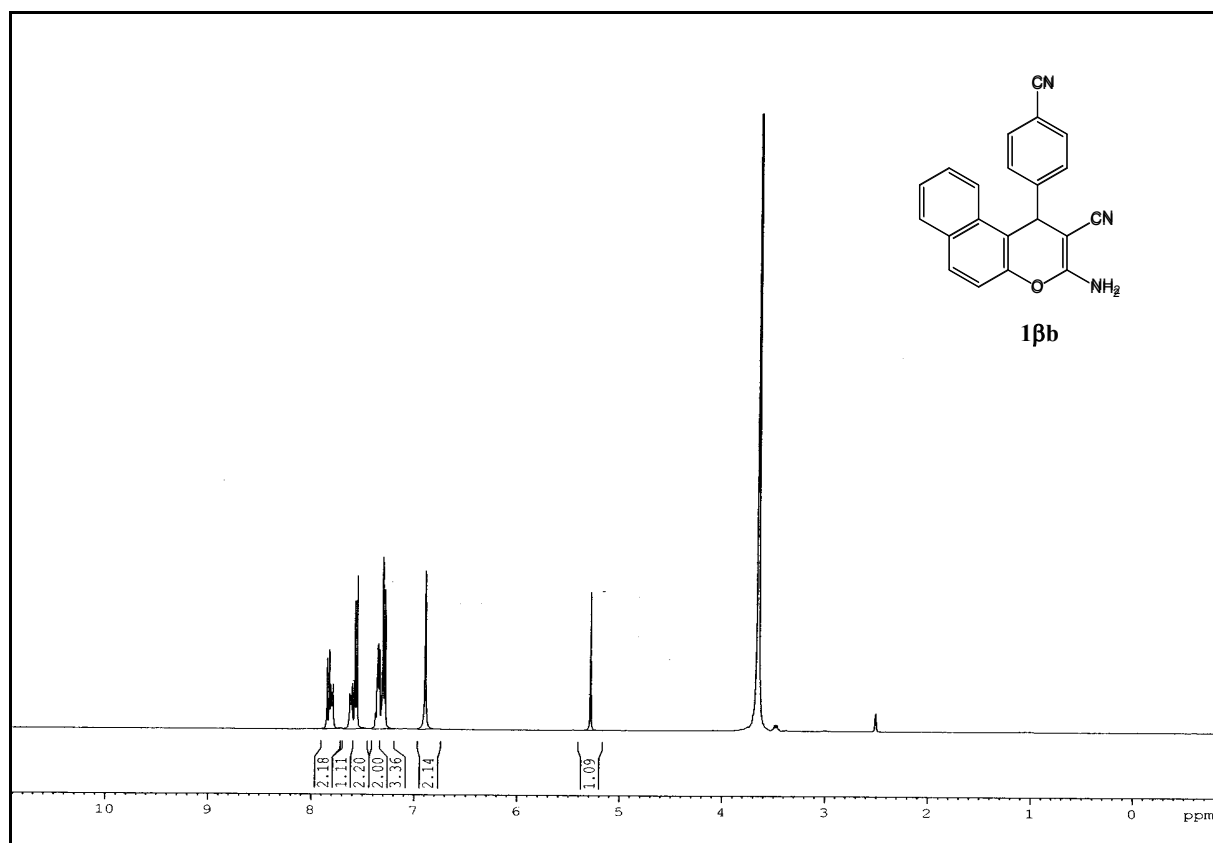
^1H and ^{13}C NMR spectra for **1ad**



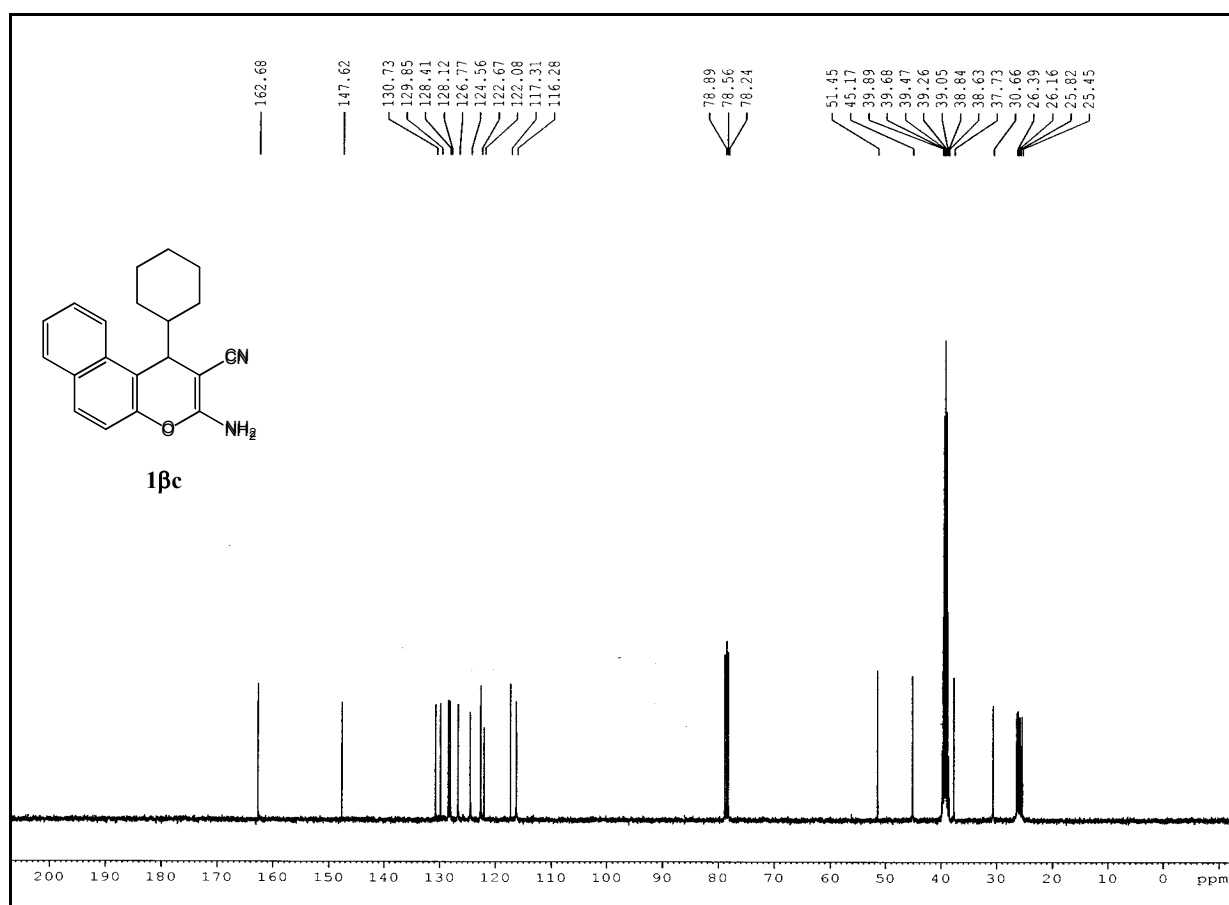
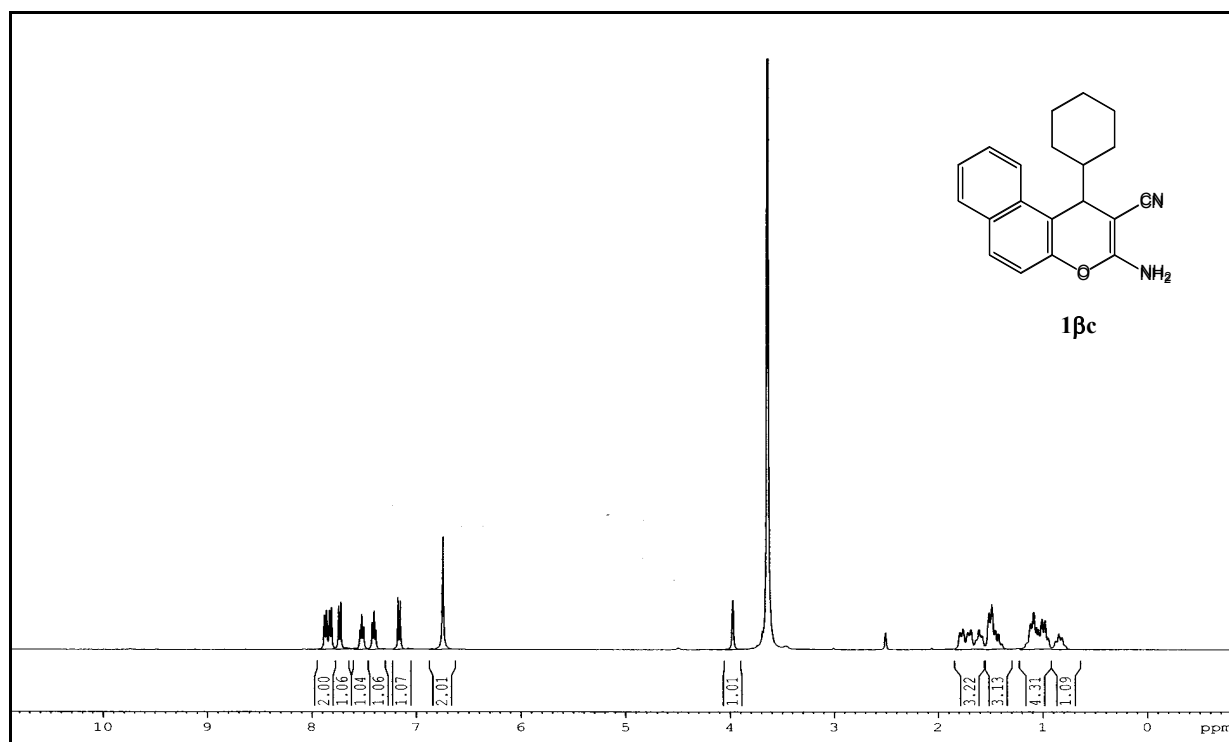
^1H and ^{13}C NMR spectra for **1 β a**



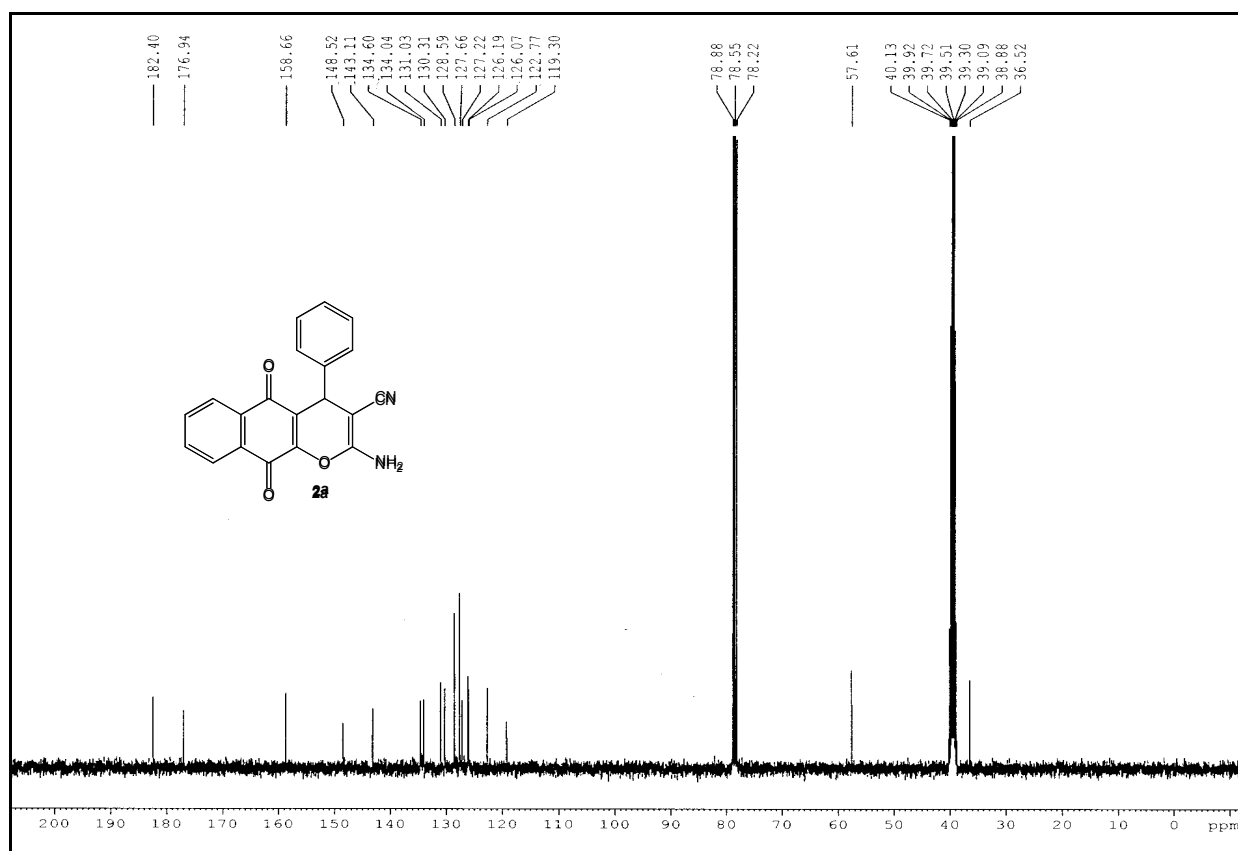
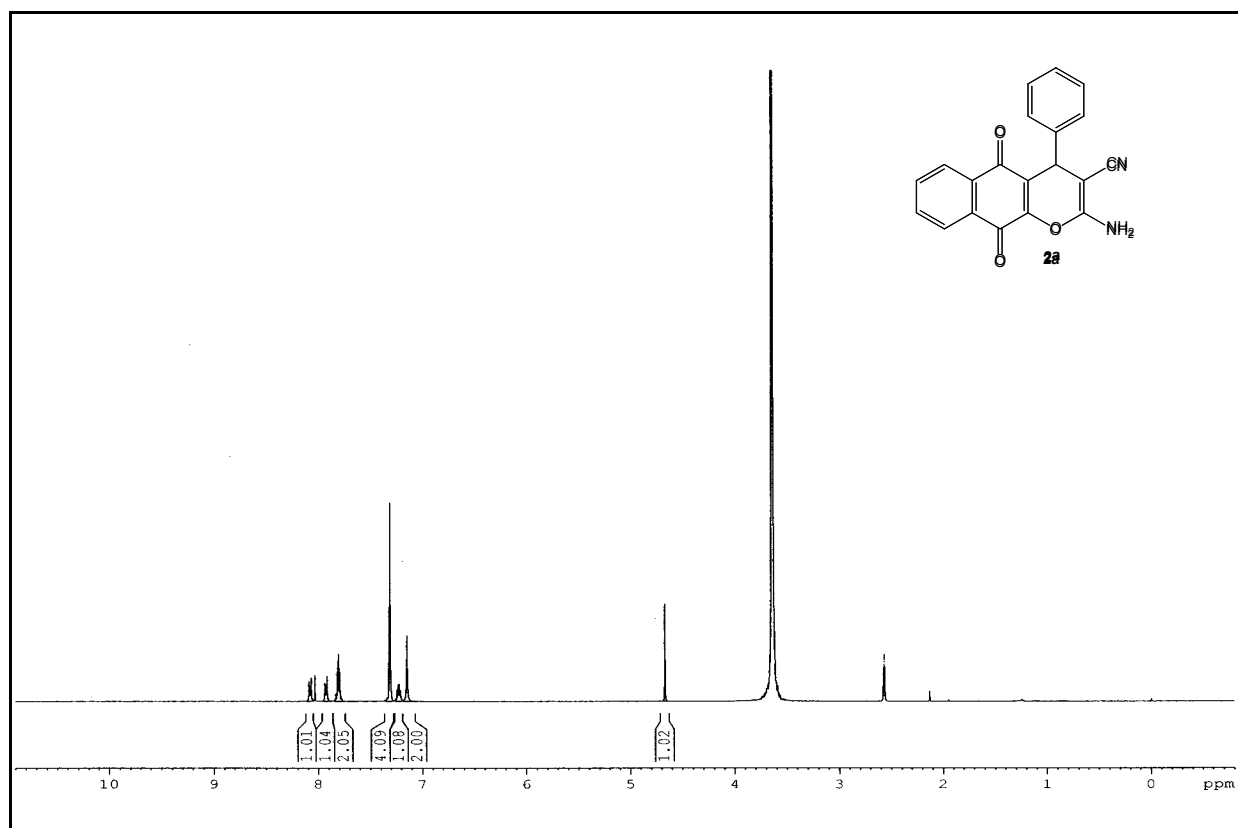
^1H and ^{13}C NMR spectra for **1 β b**



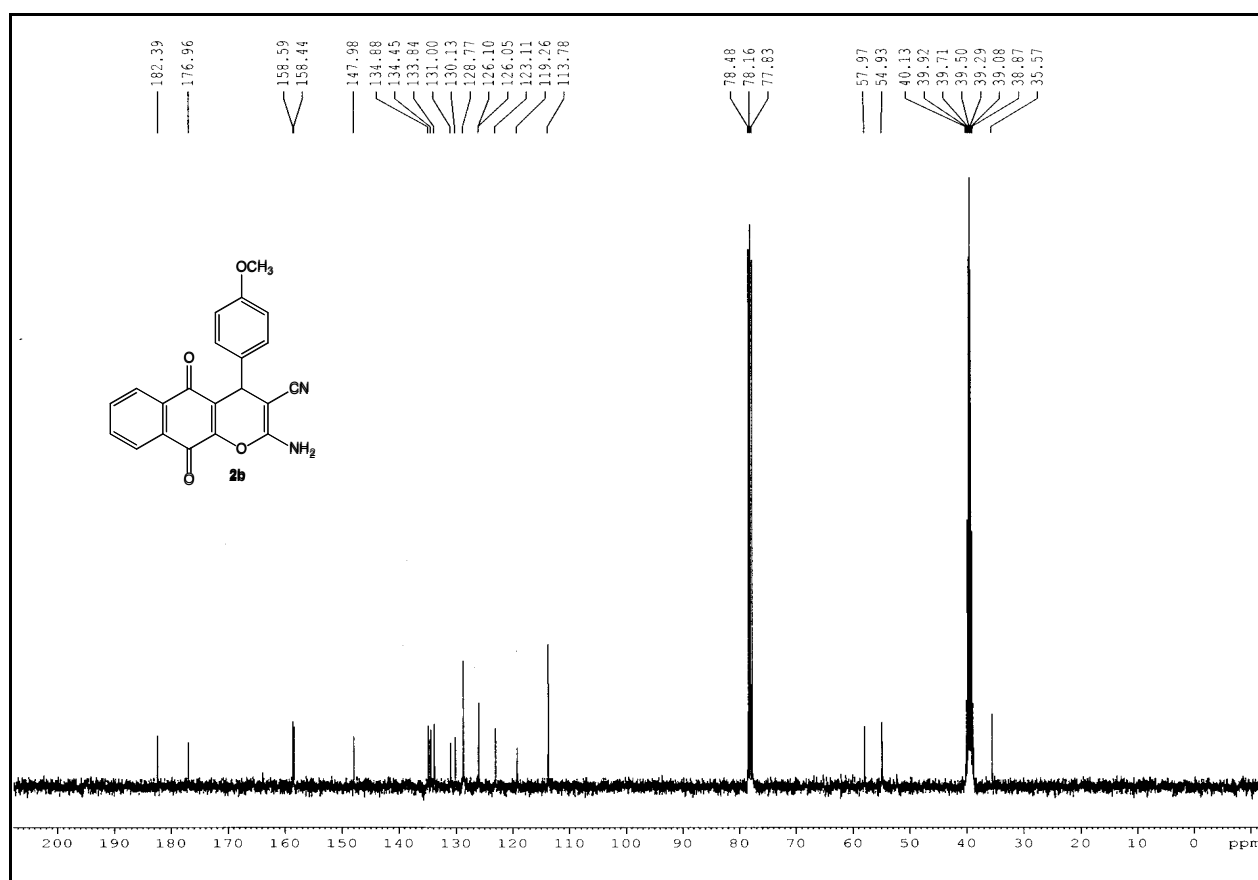
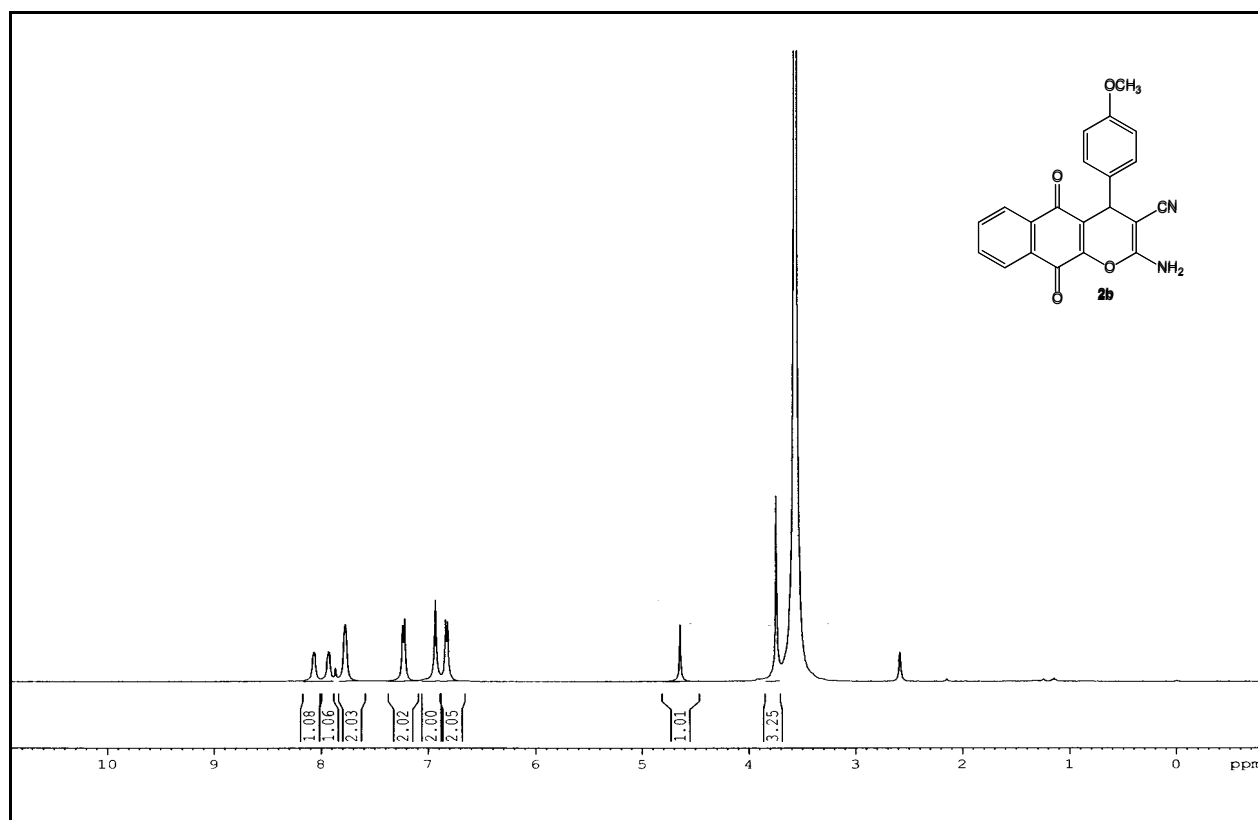
^1H and ^{13}C NMR spectra for **1βc**



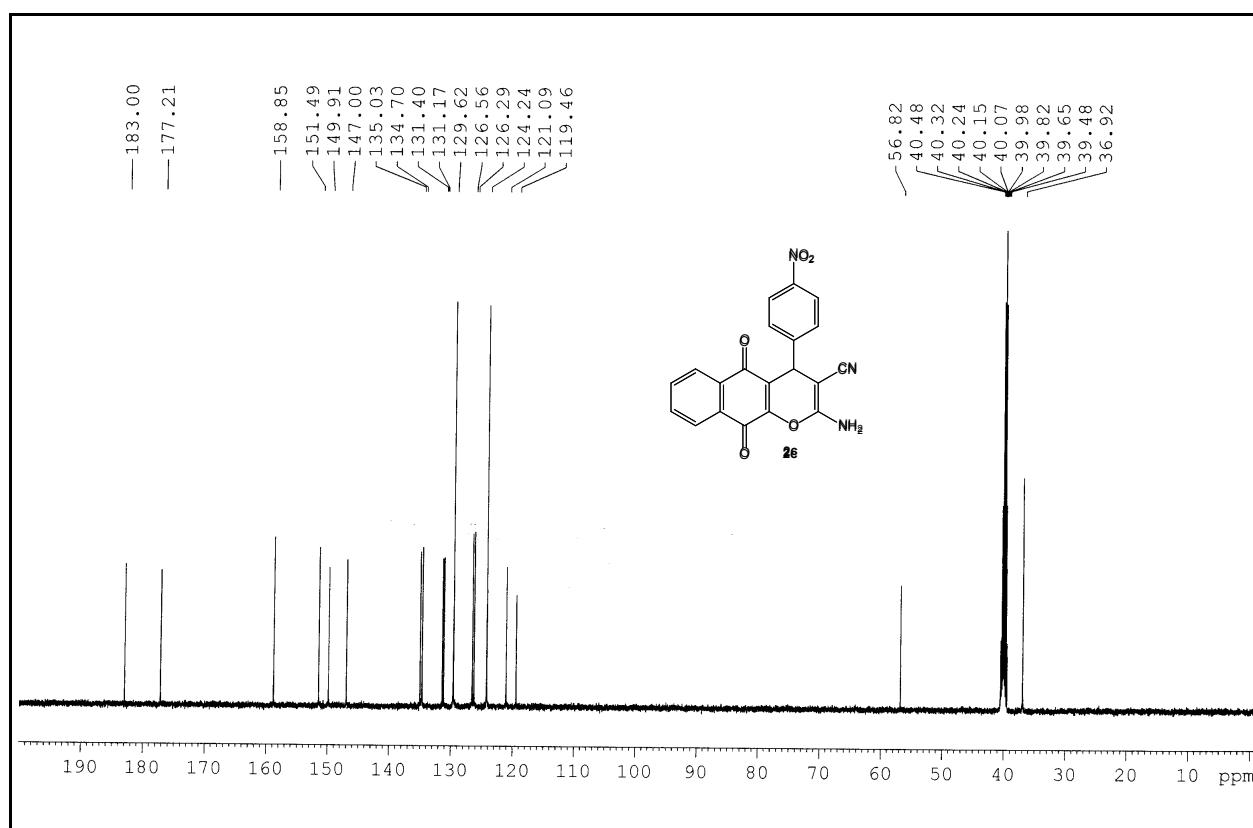
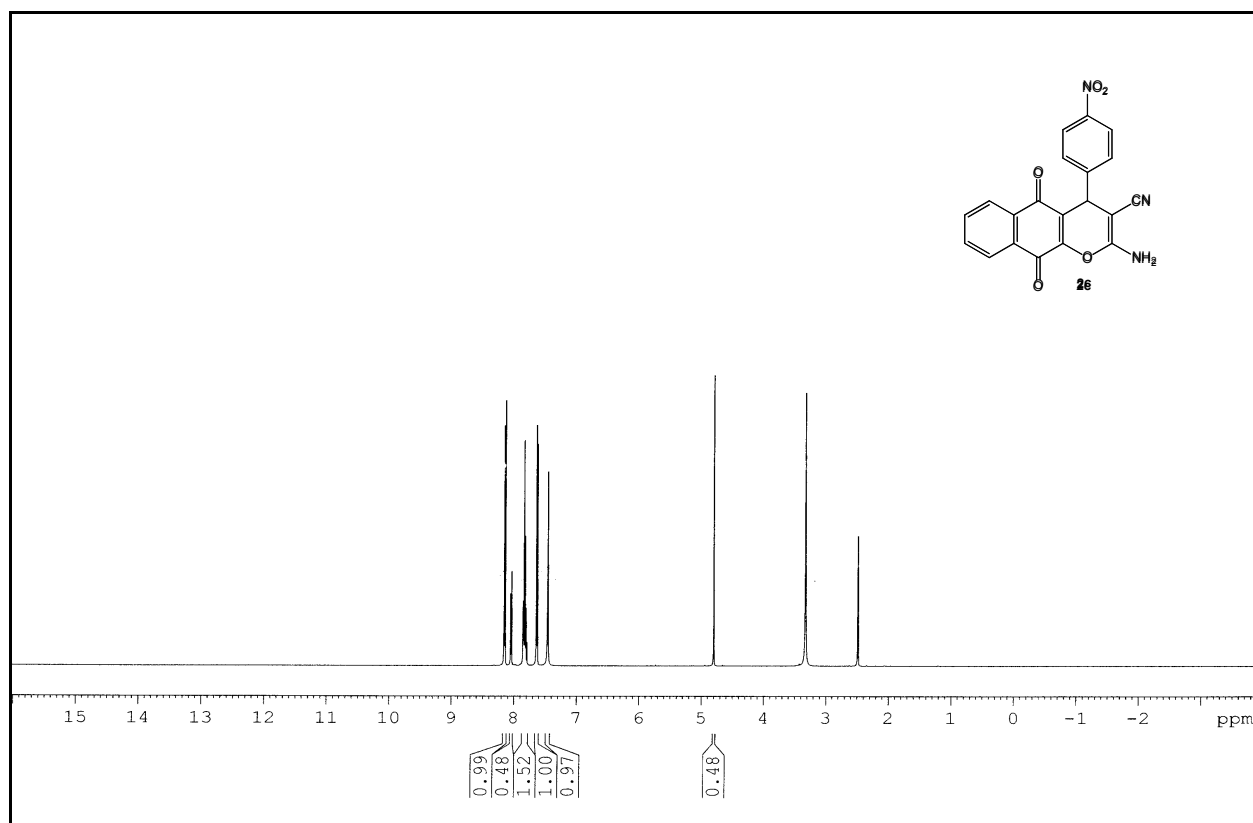
^1H and ^{13}C NMR spectra for **2a**



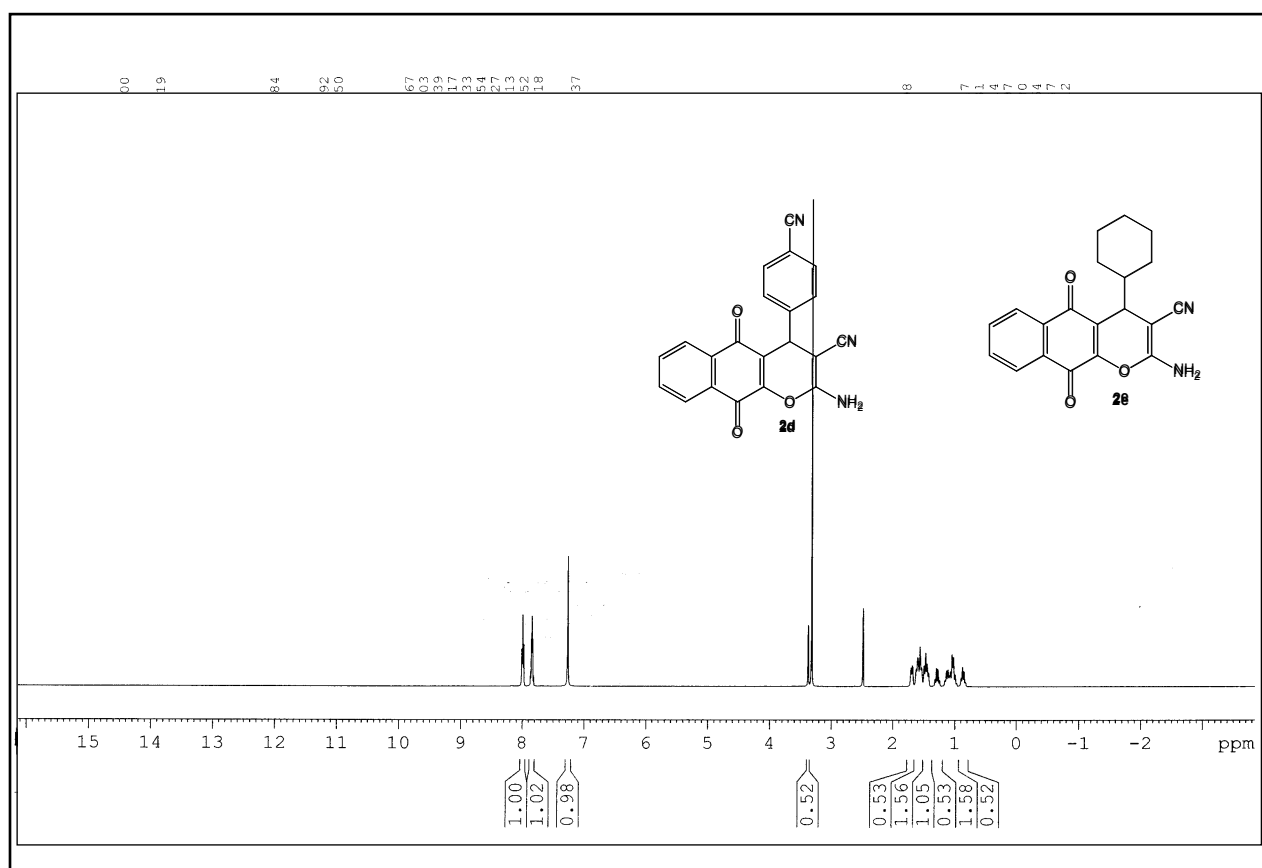
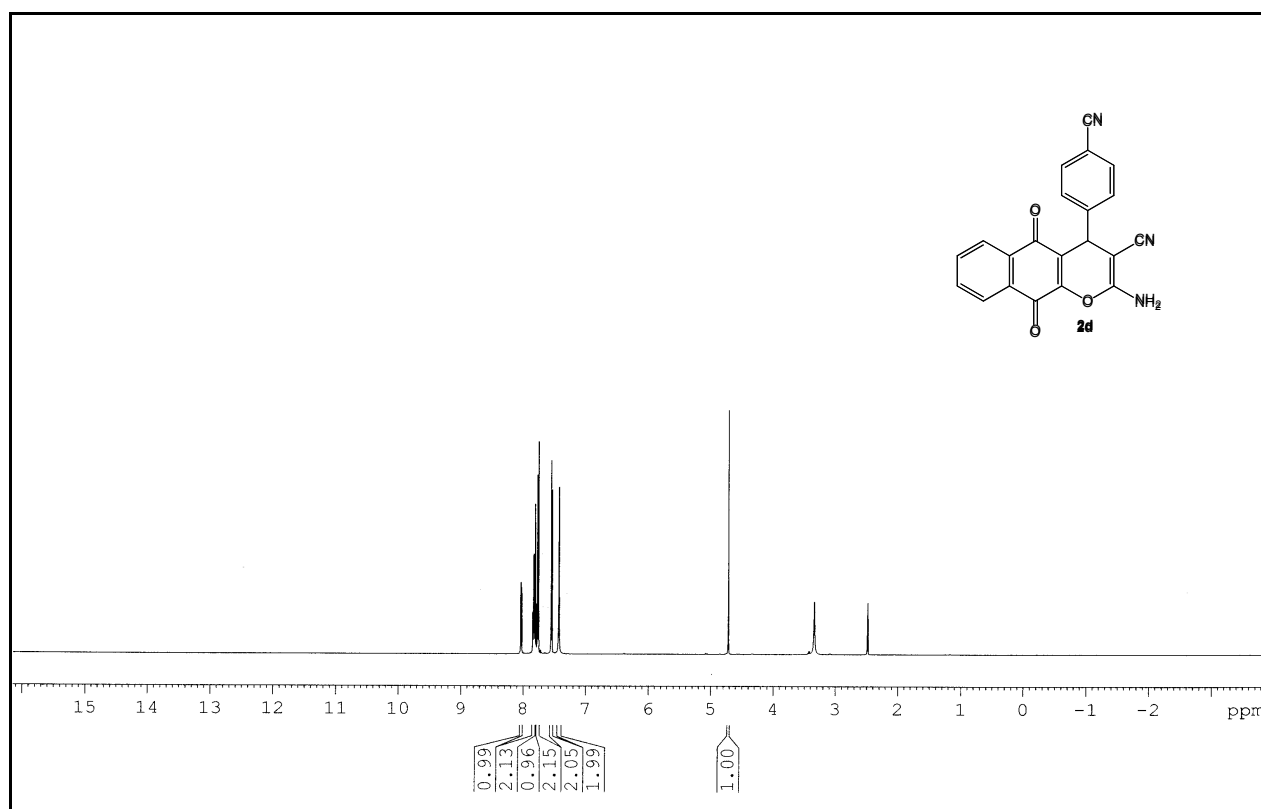
^1H and ^{13}C NMR spectra for **2b**



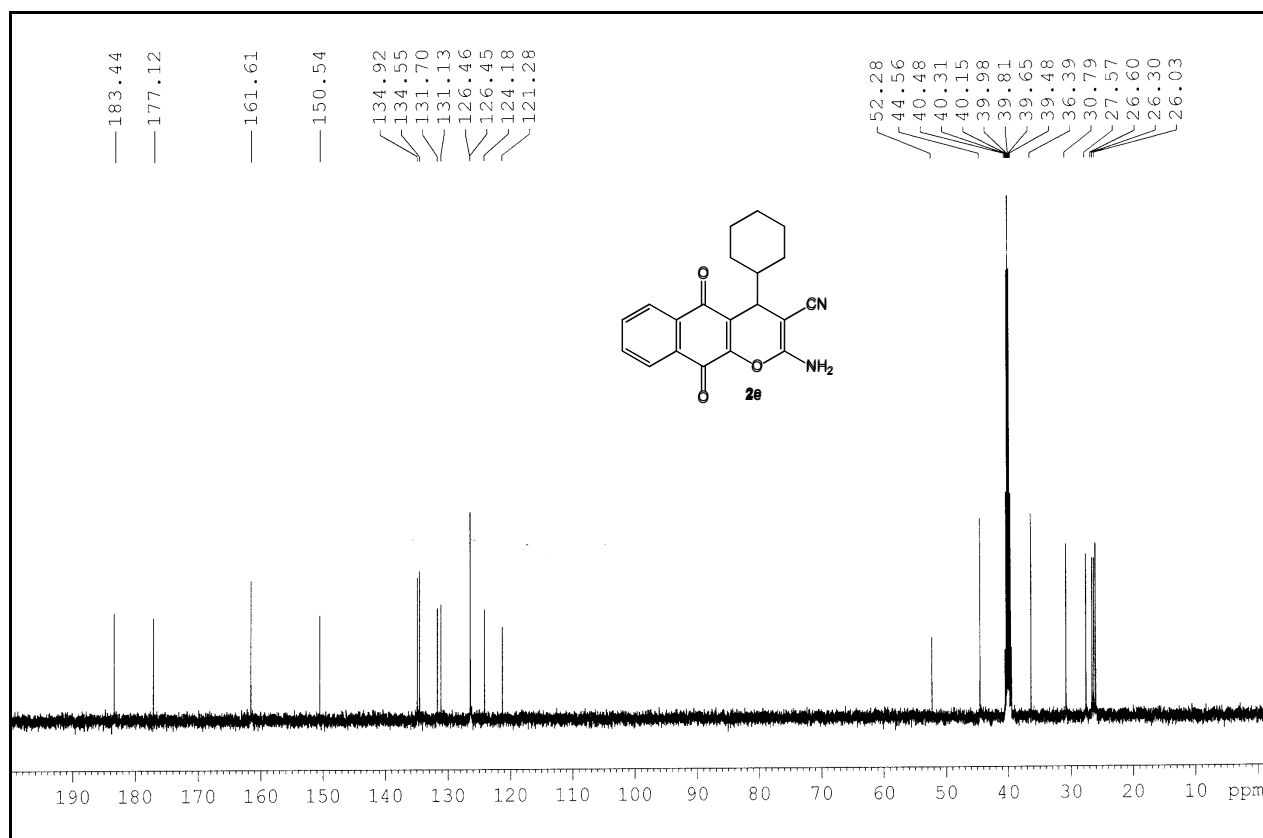
^1H and ^{13}C NMR spectra for **2c**



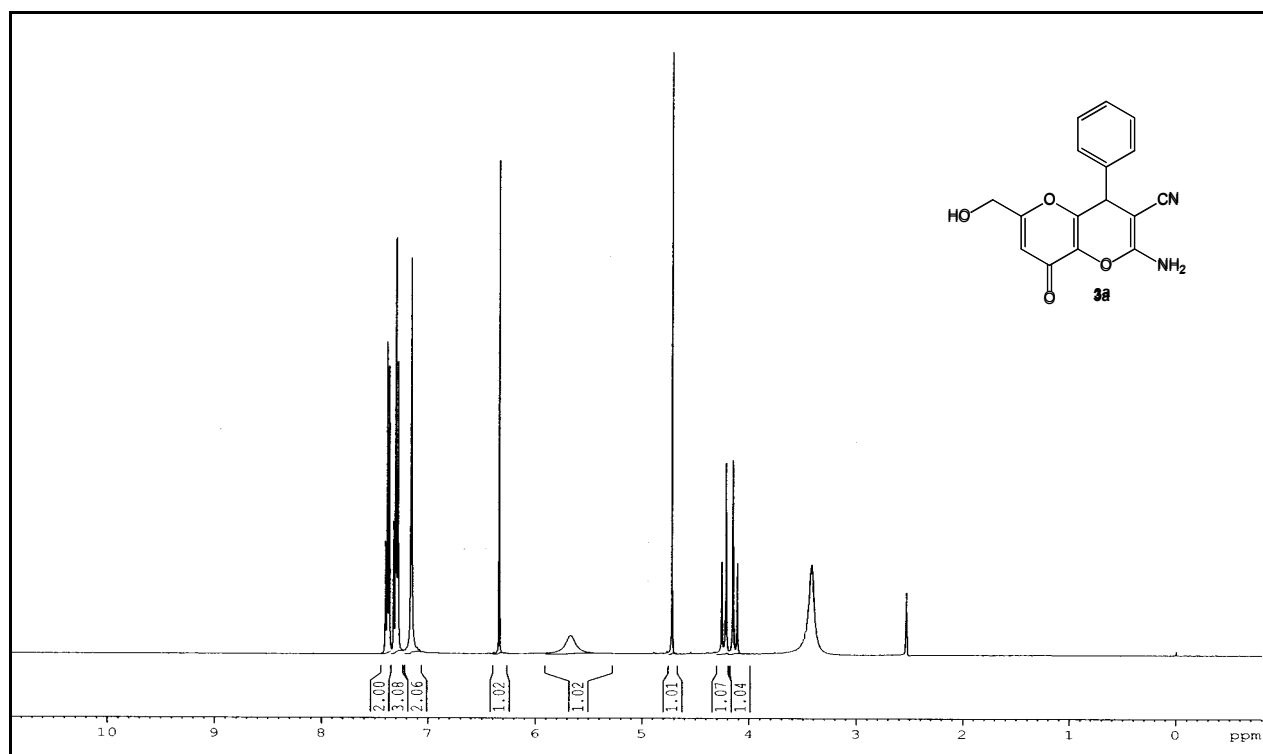
^1H and ^{13}C NMR spectra for **2d**

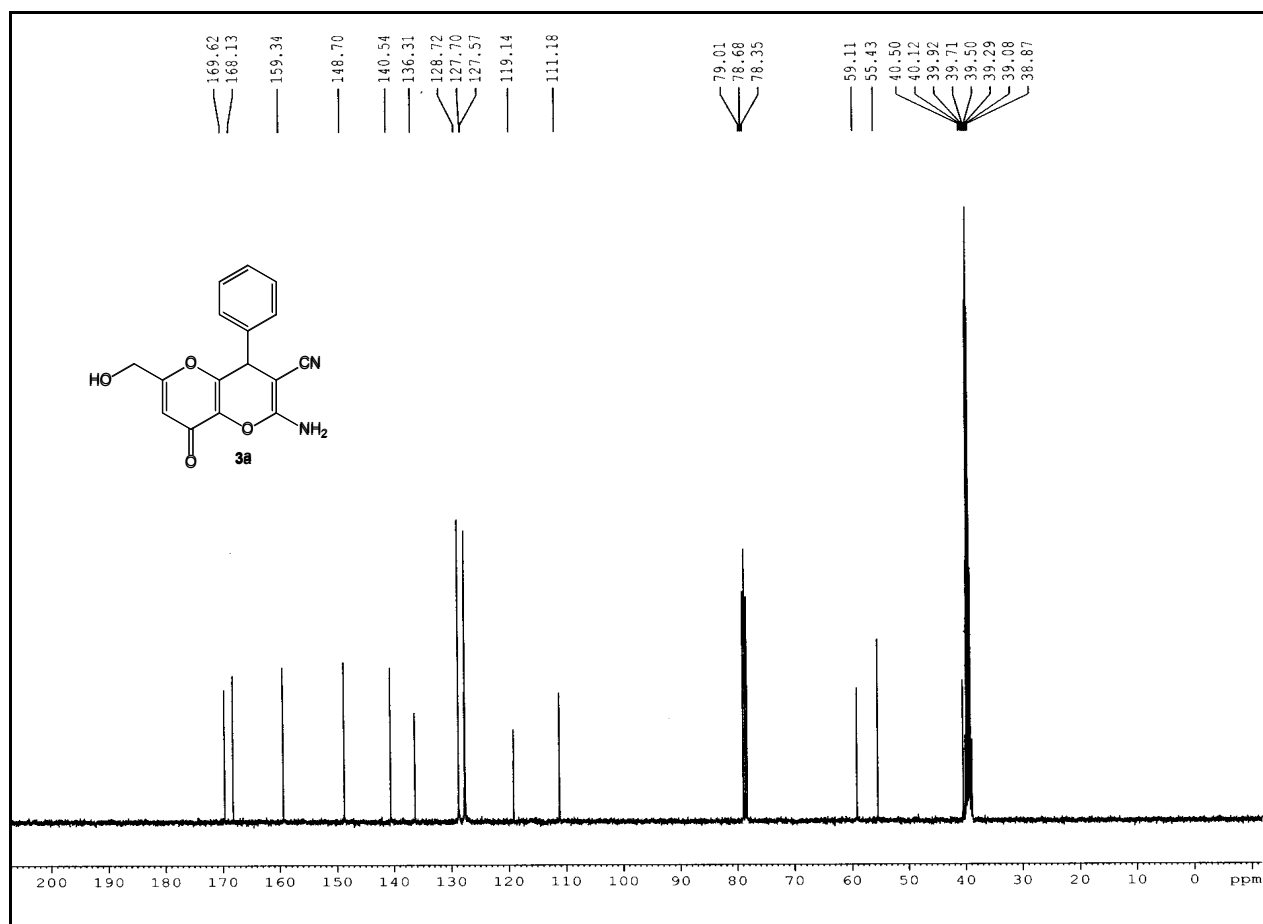


^1H and ^{13}C NMR spectra for **2e**

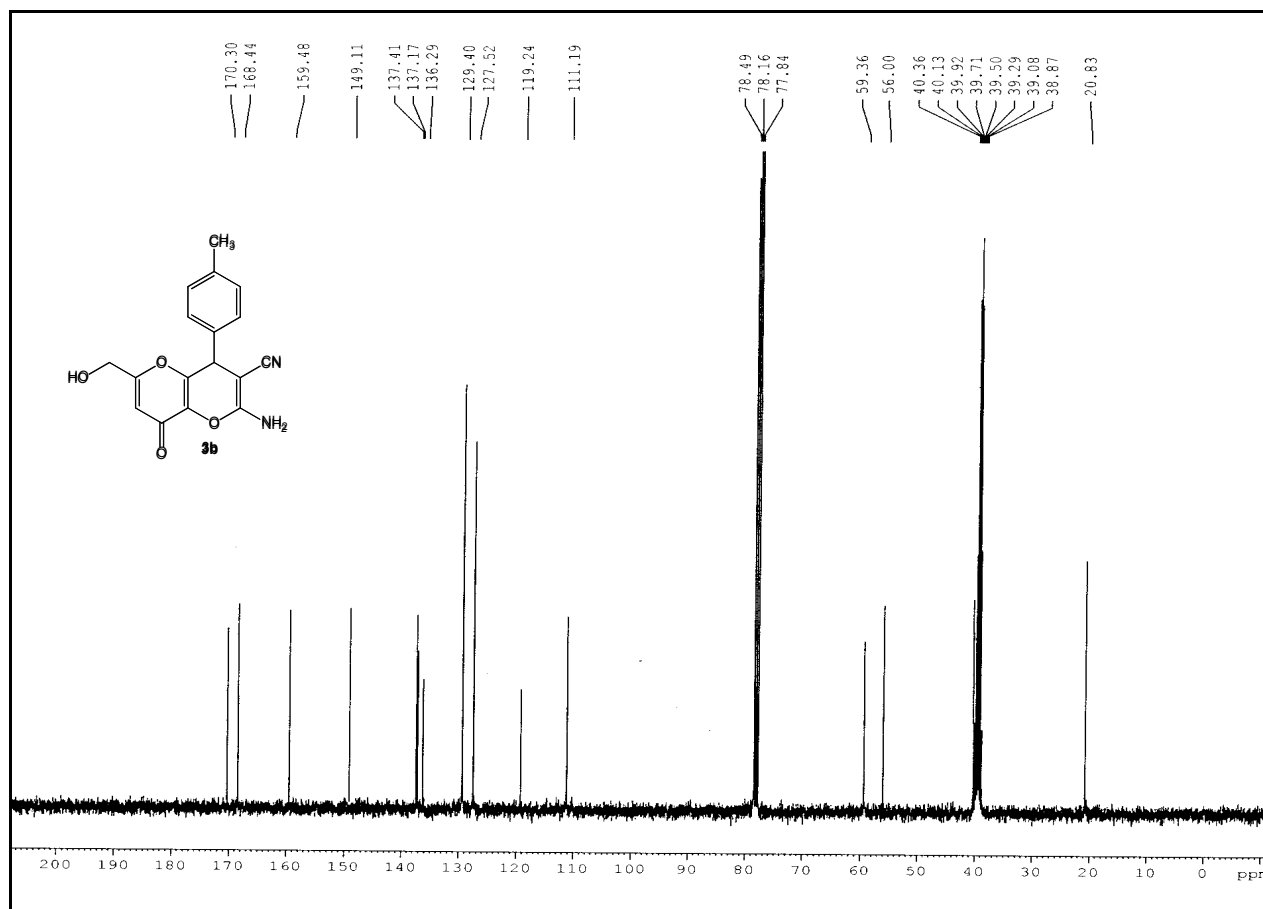
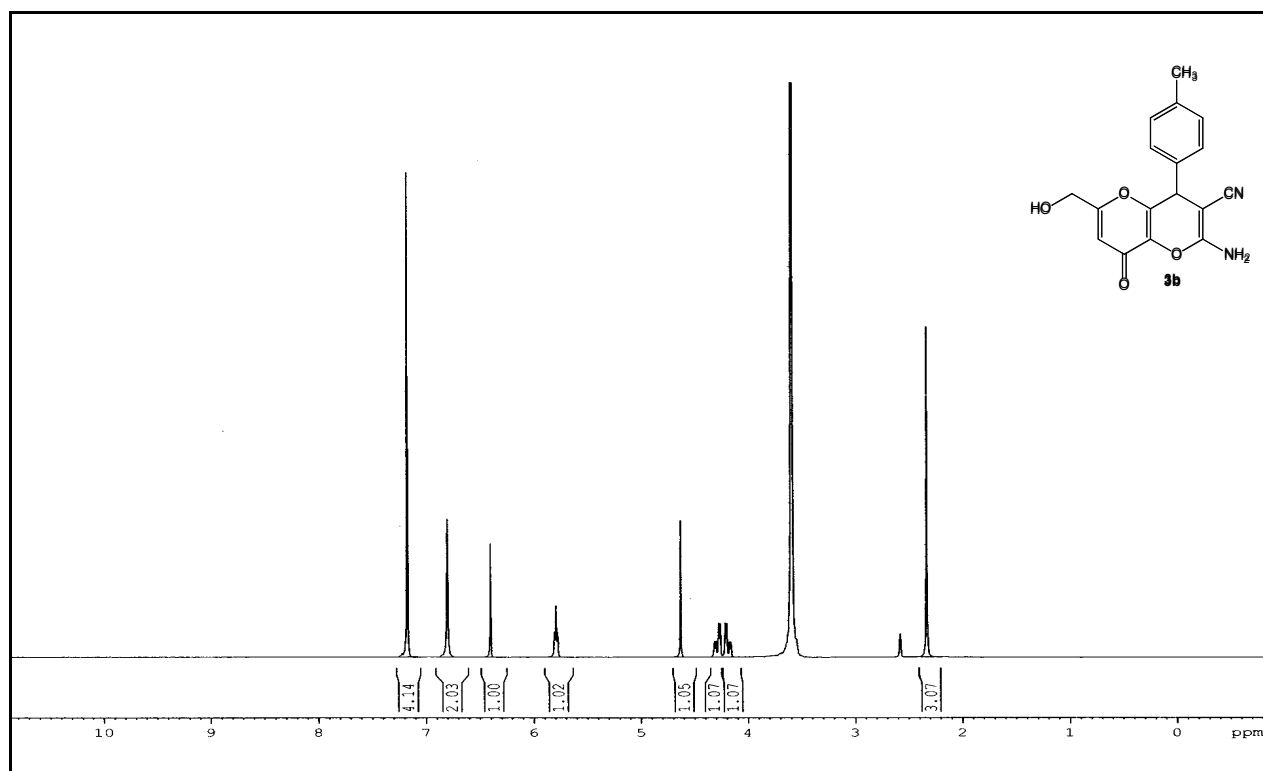


¹H and ¹³C NMR spectra for **3a**

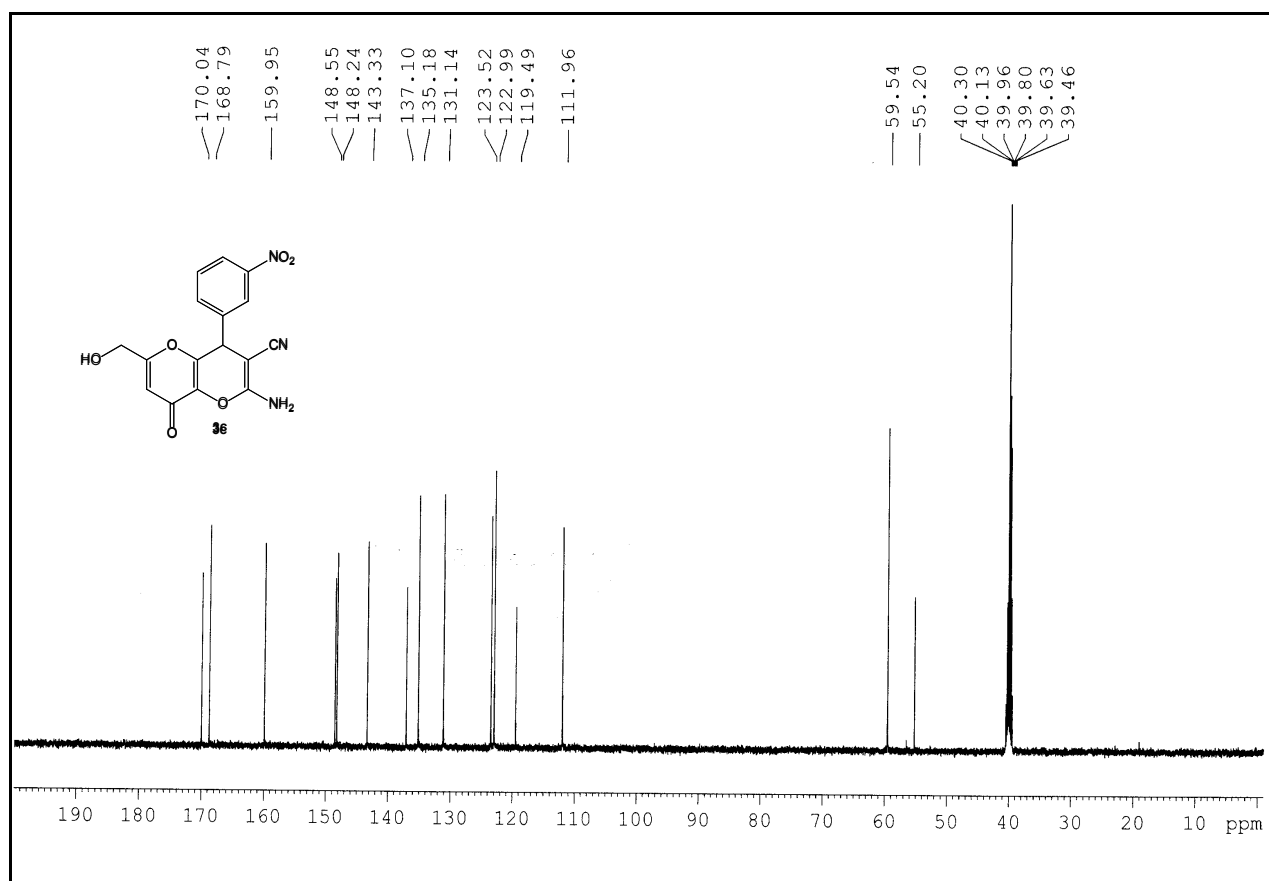
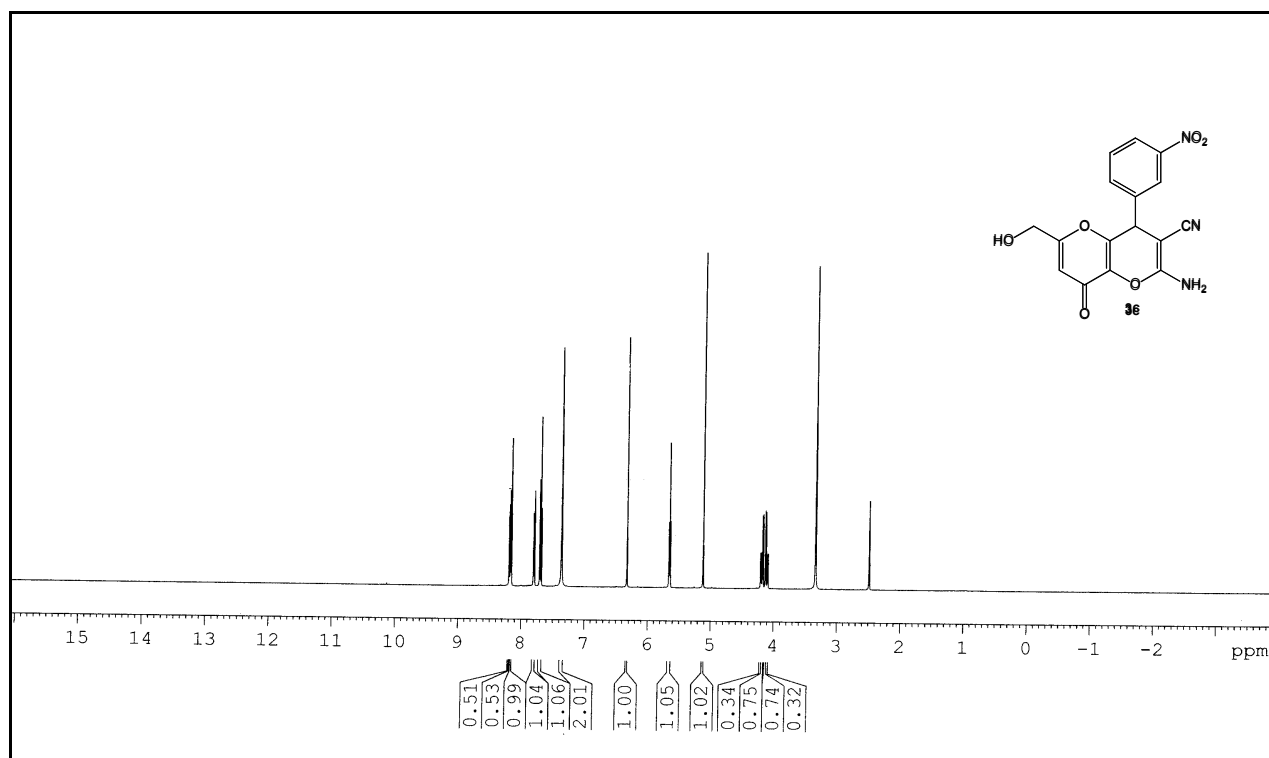




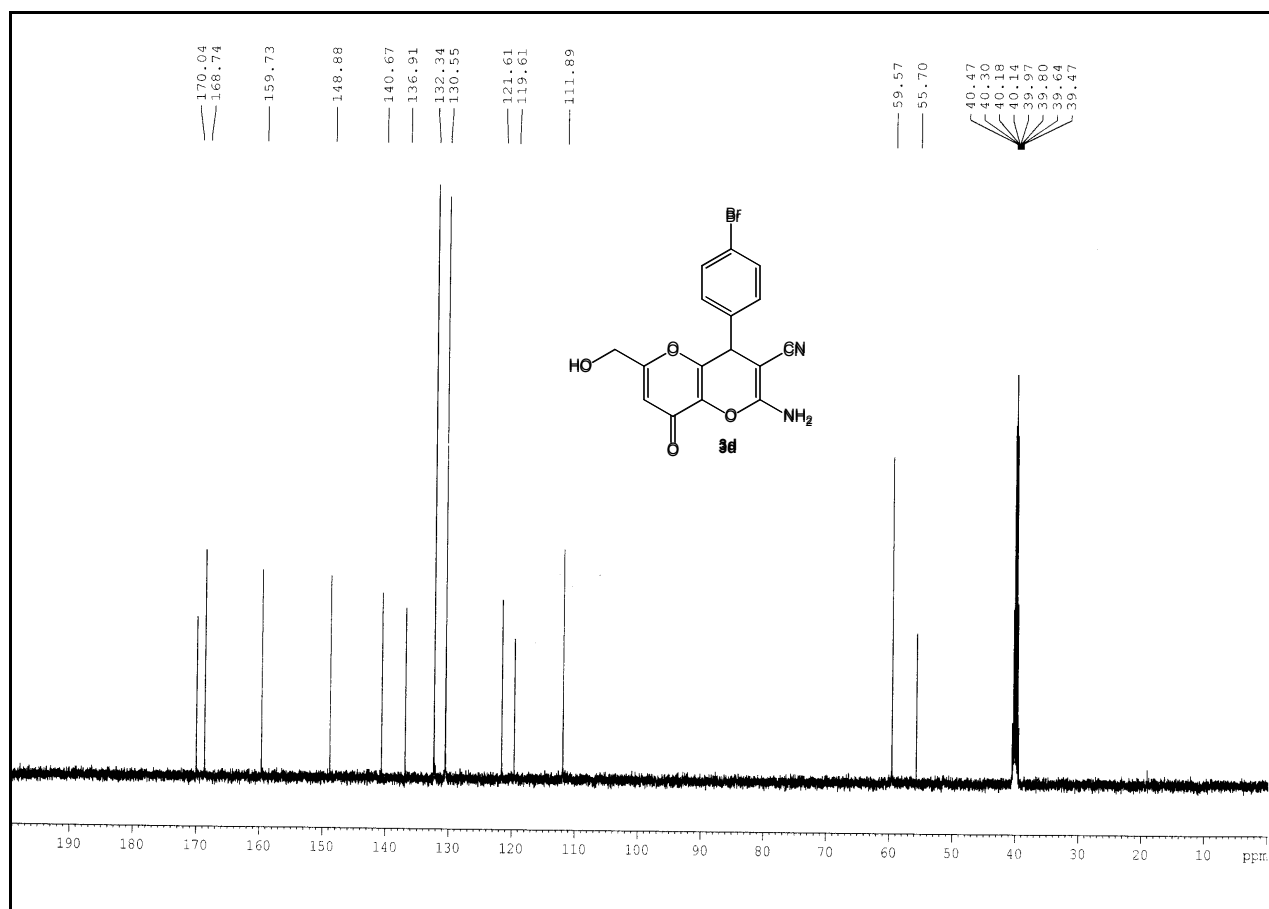
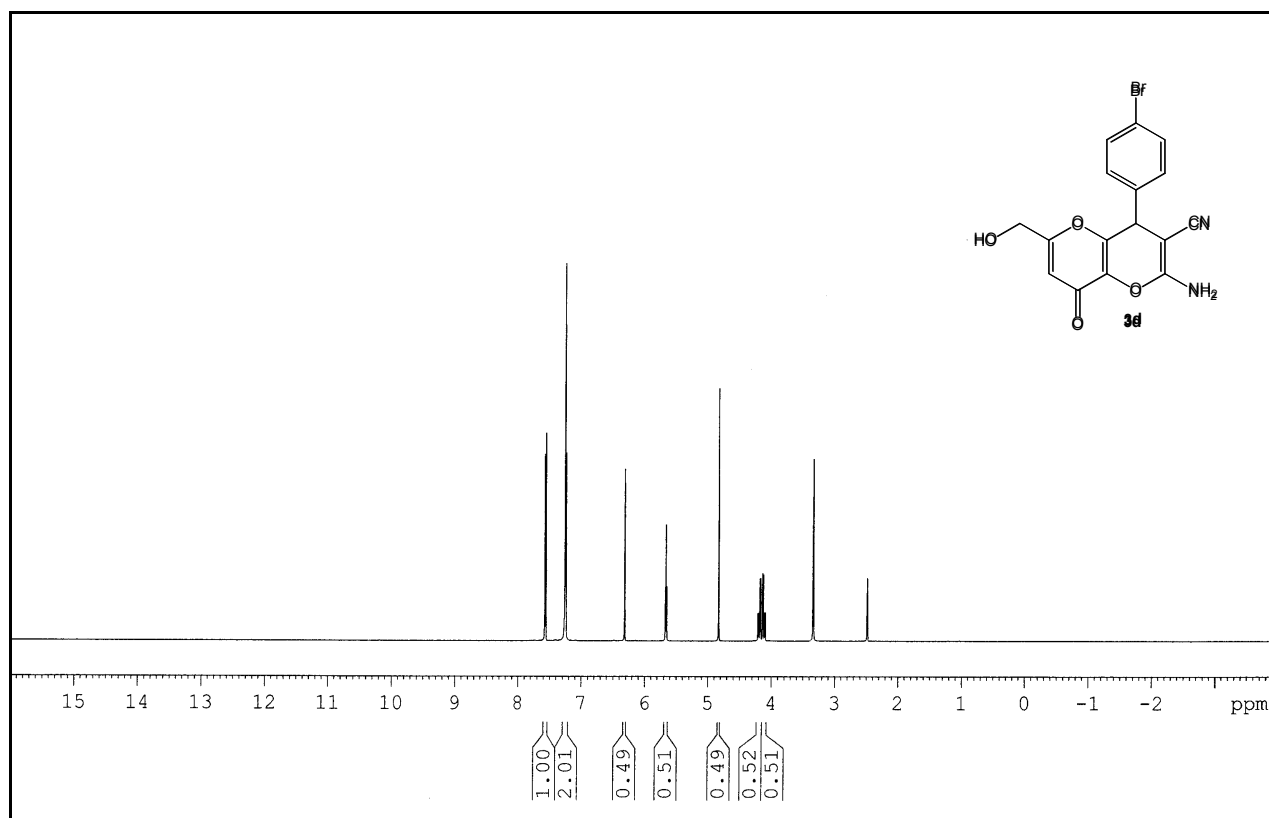
^1H and ^{13}C NMR spectra for **3b**



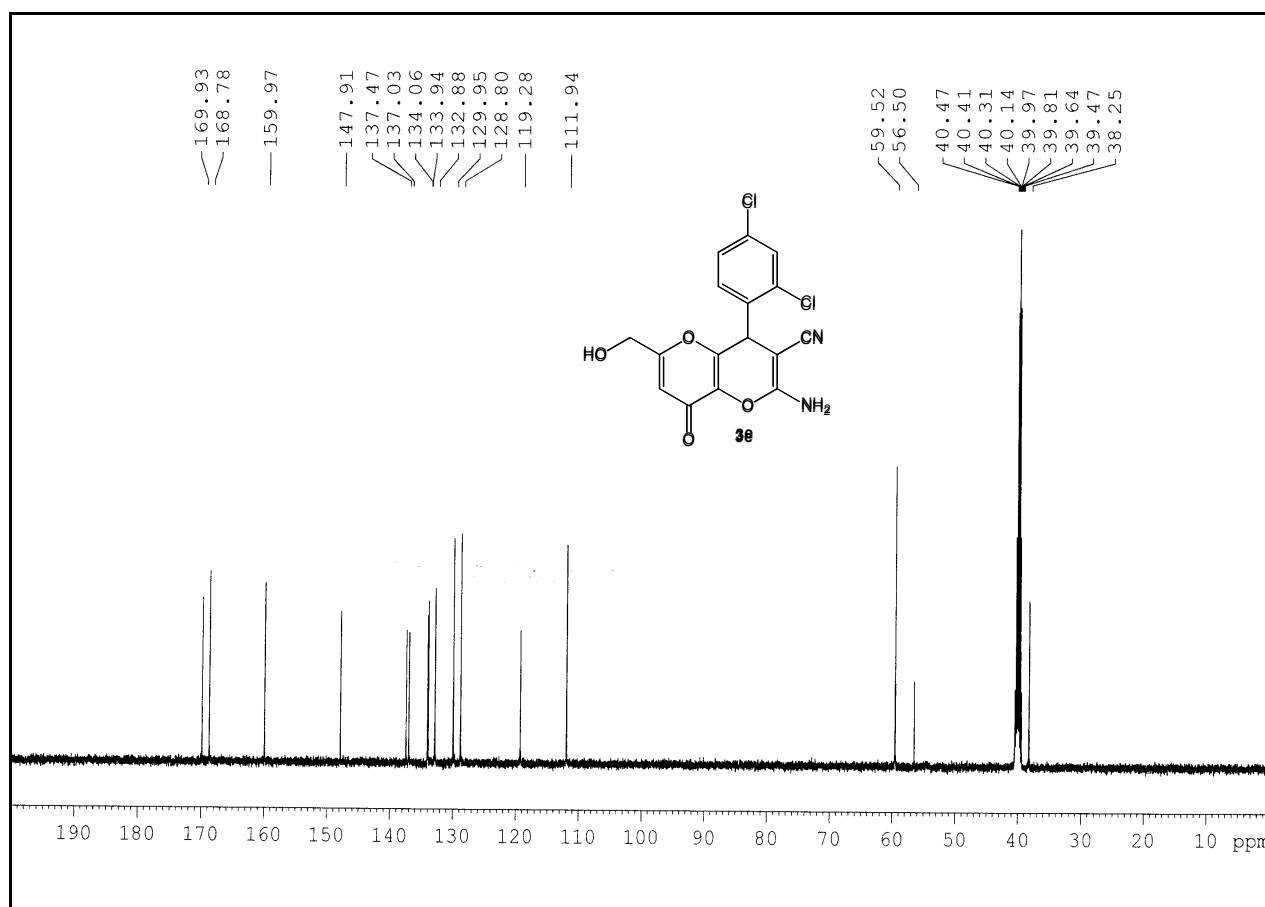
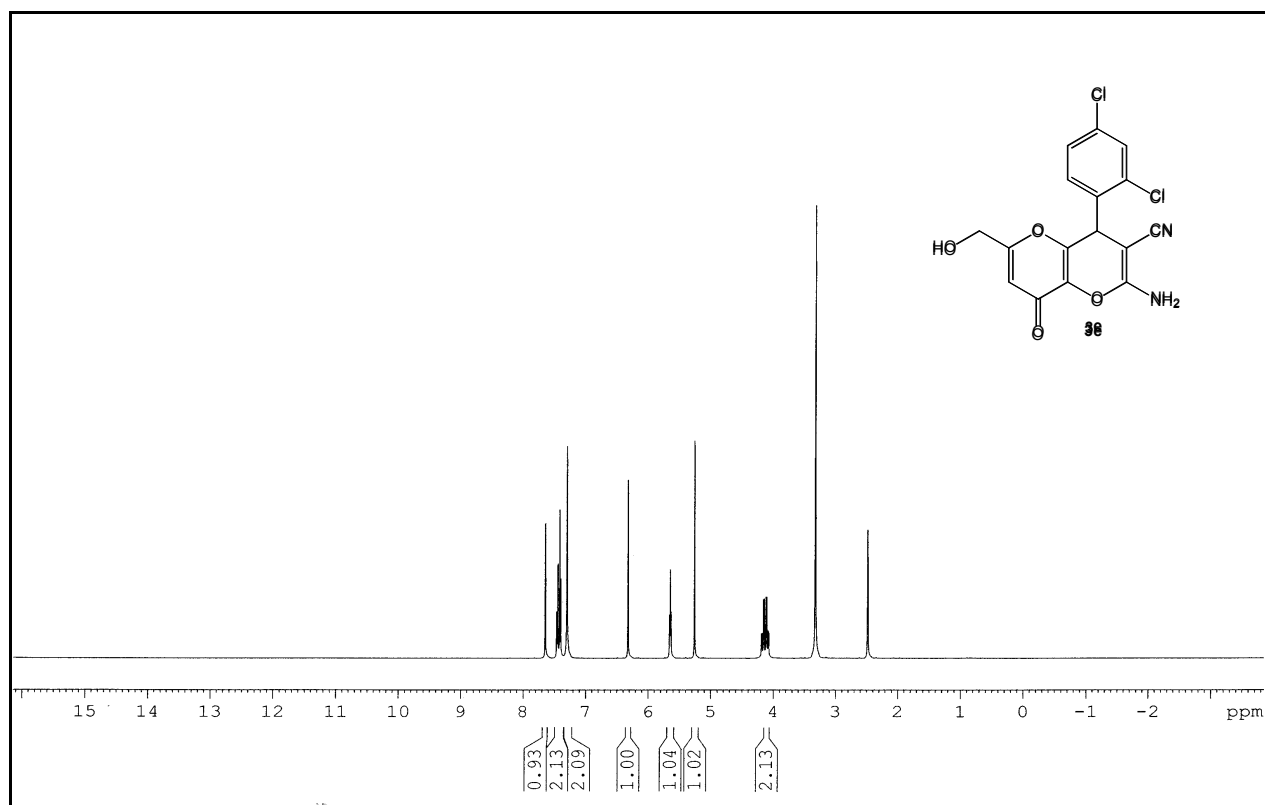
¹H and ¹³C NMR spectra for 3c



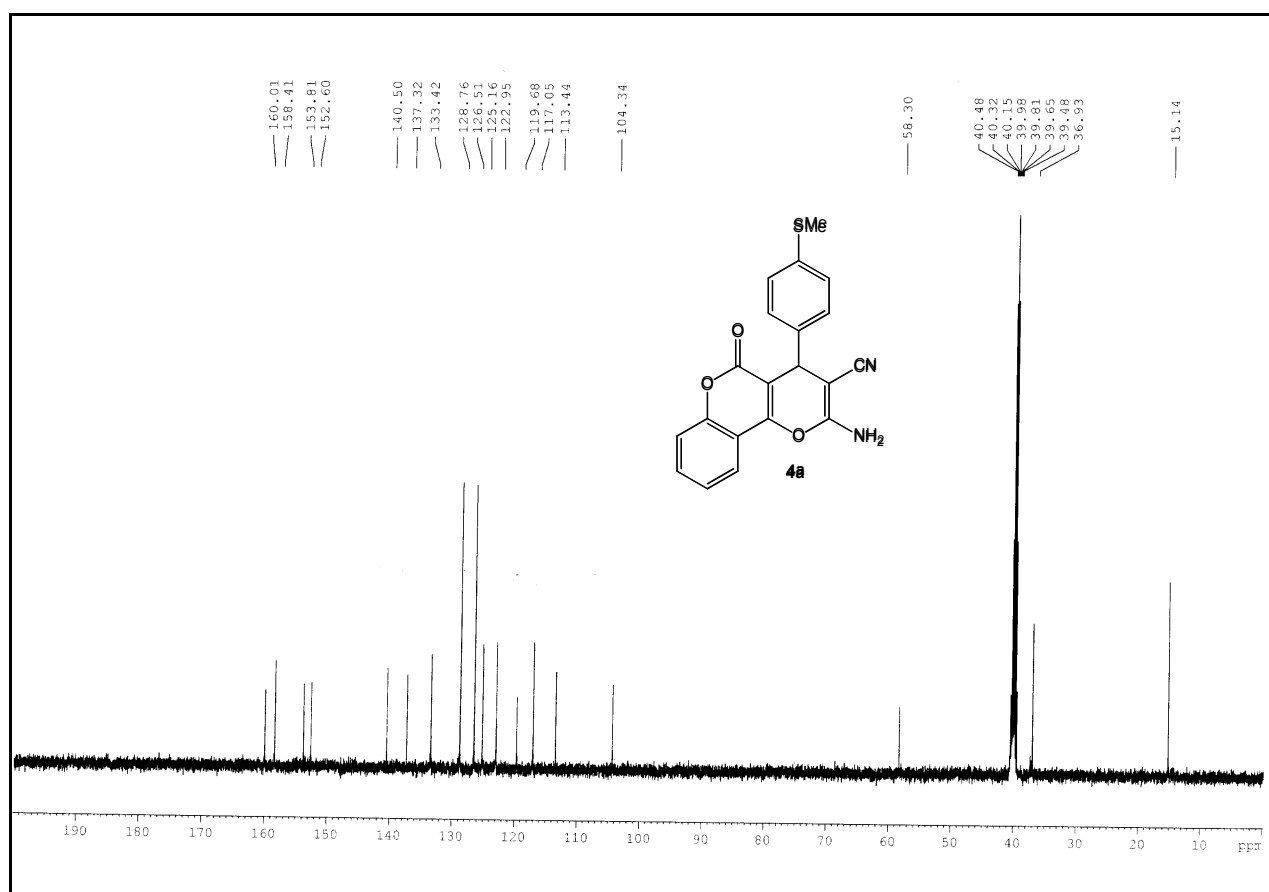
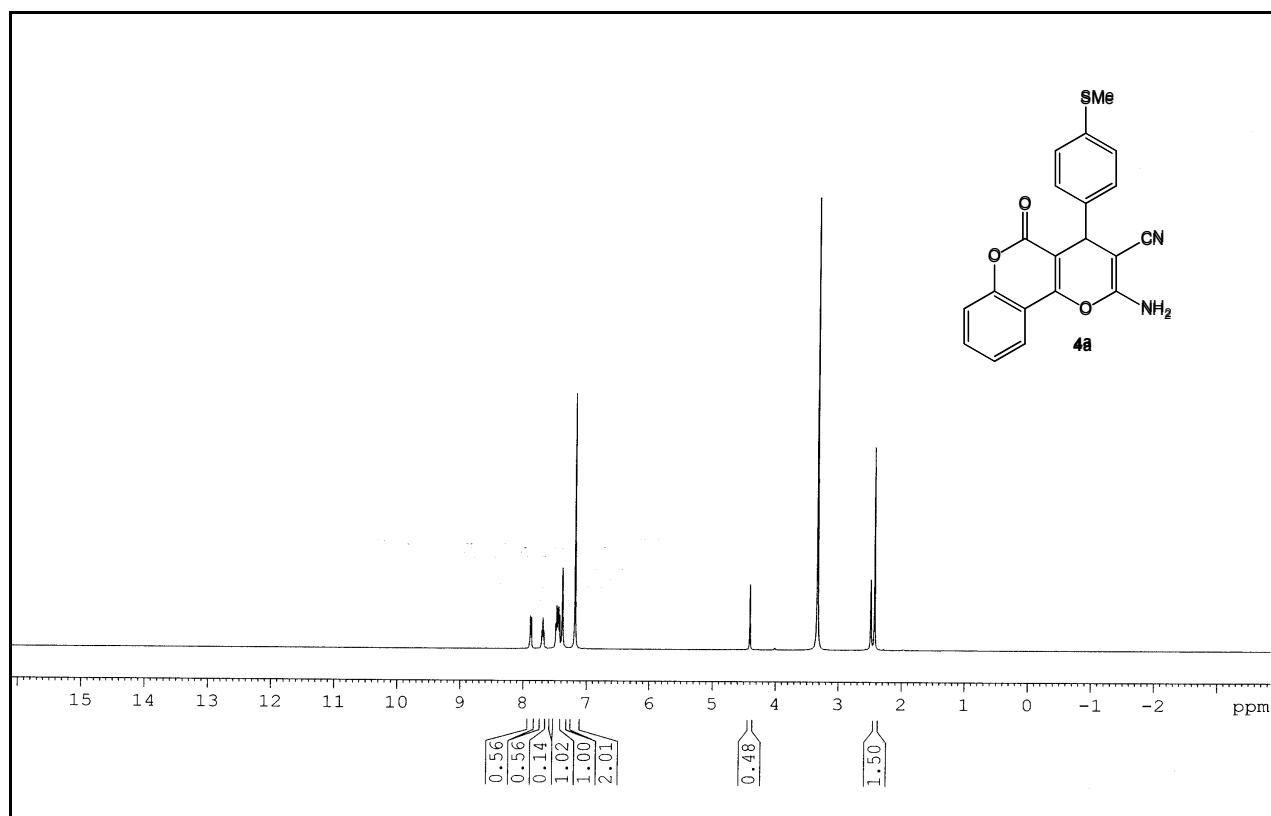
¹H and ¹³C NMR spectra for **3d**



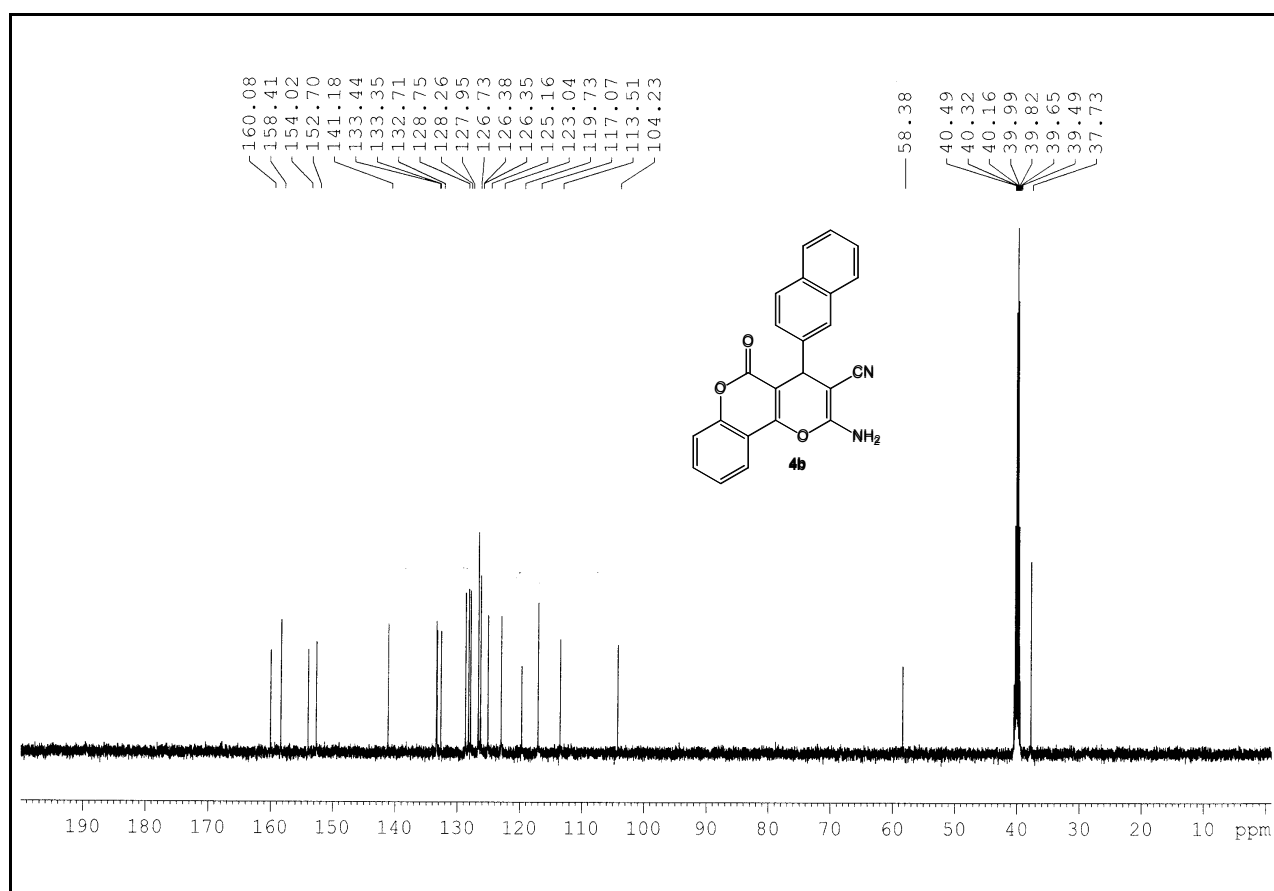
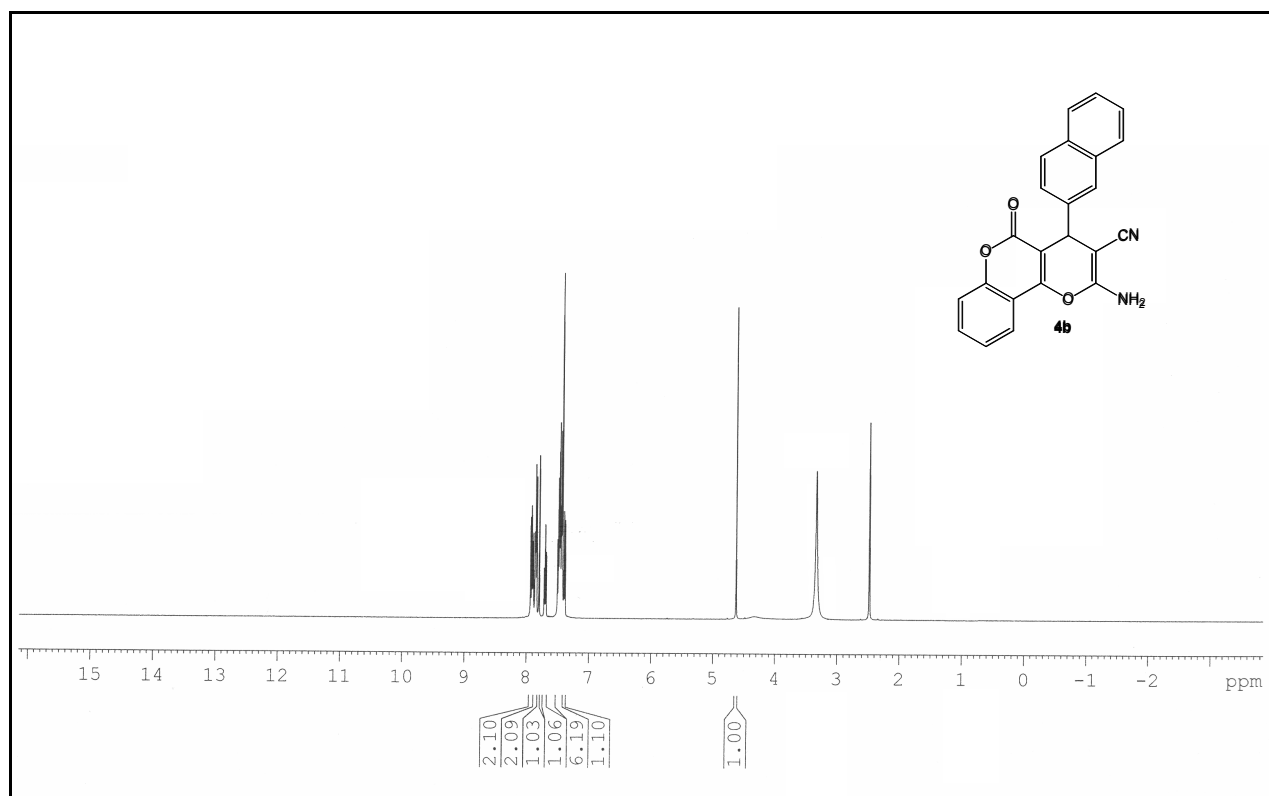
¹H and ¹³C NMR spectra for 3e



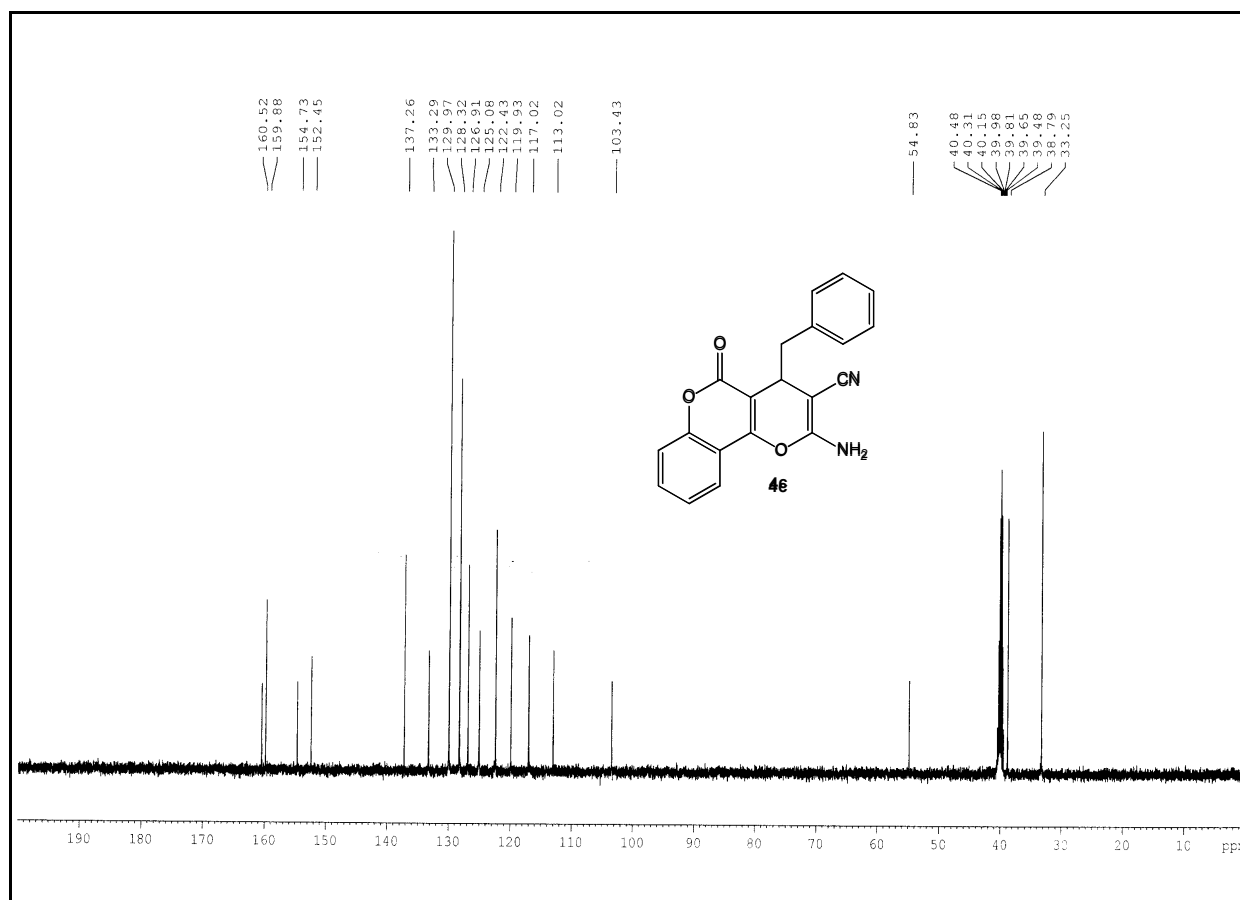
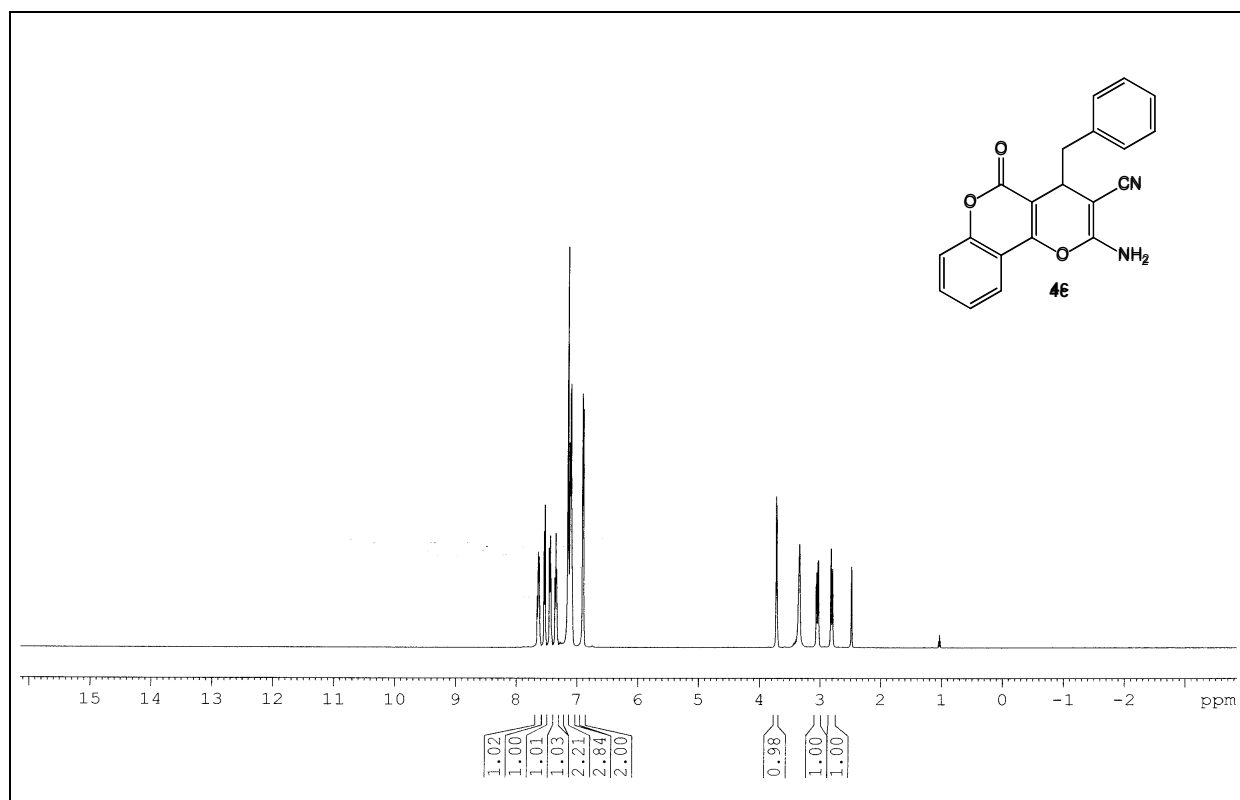
¹H and ¹³C NMR spectra for **4a**



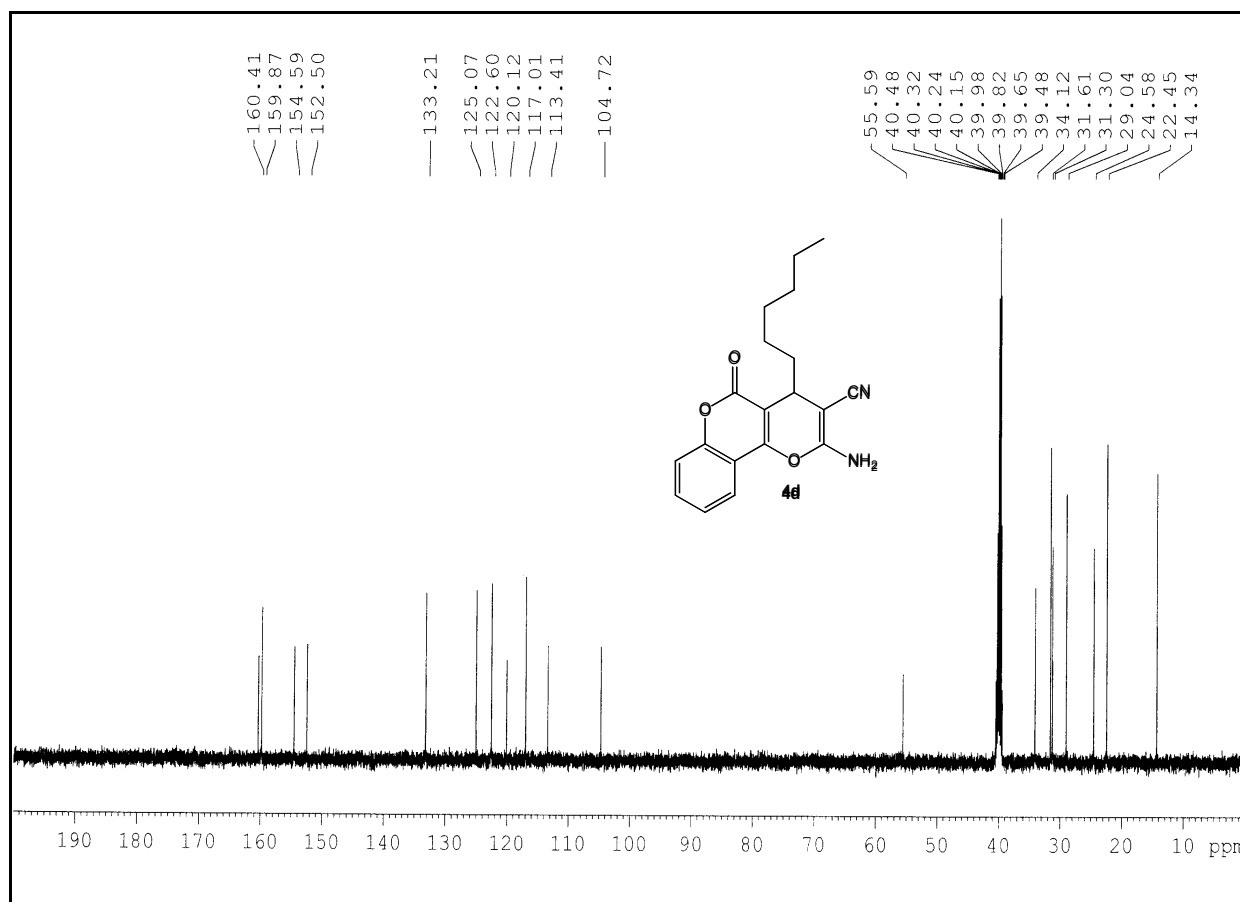
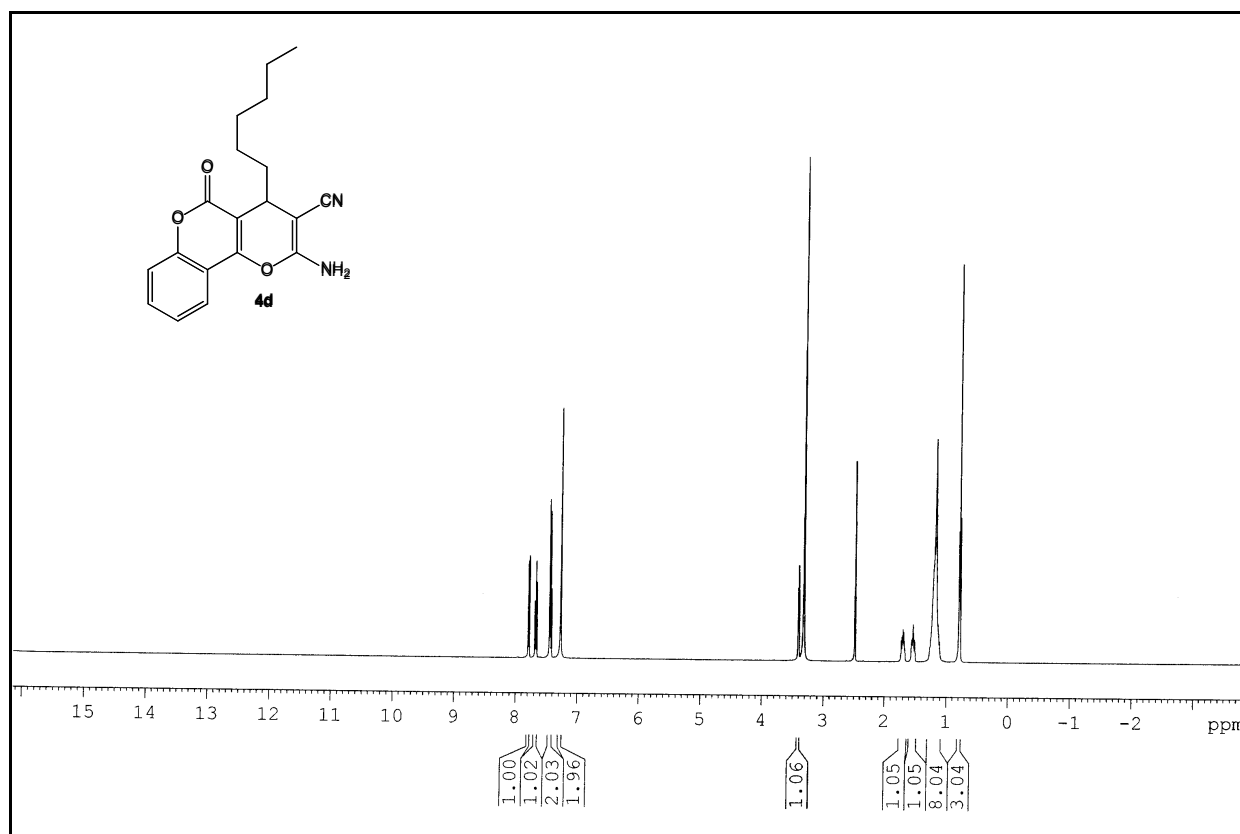
¹H and ¹³C NMR spectra for **4b**



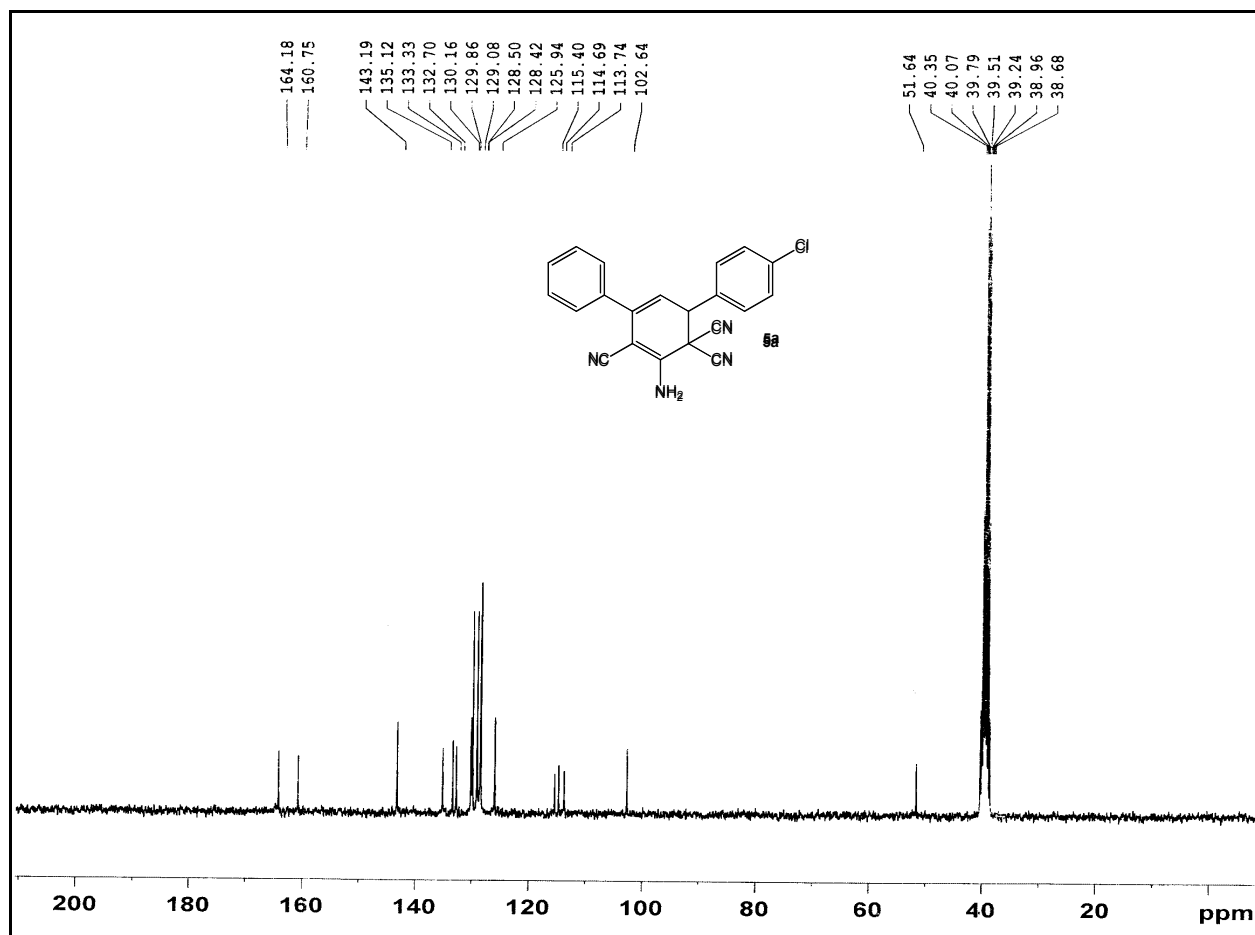
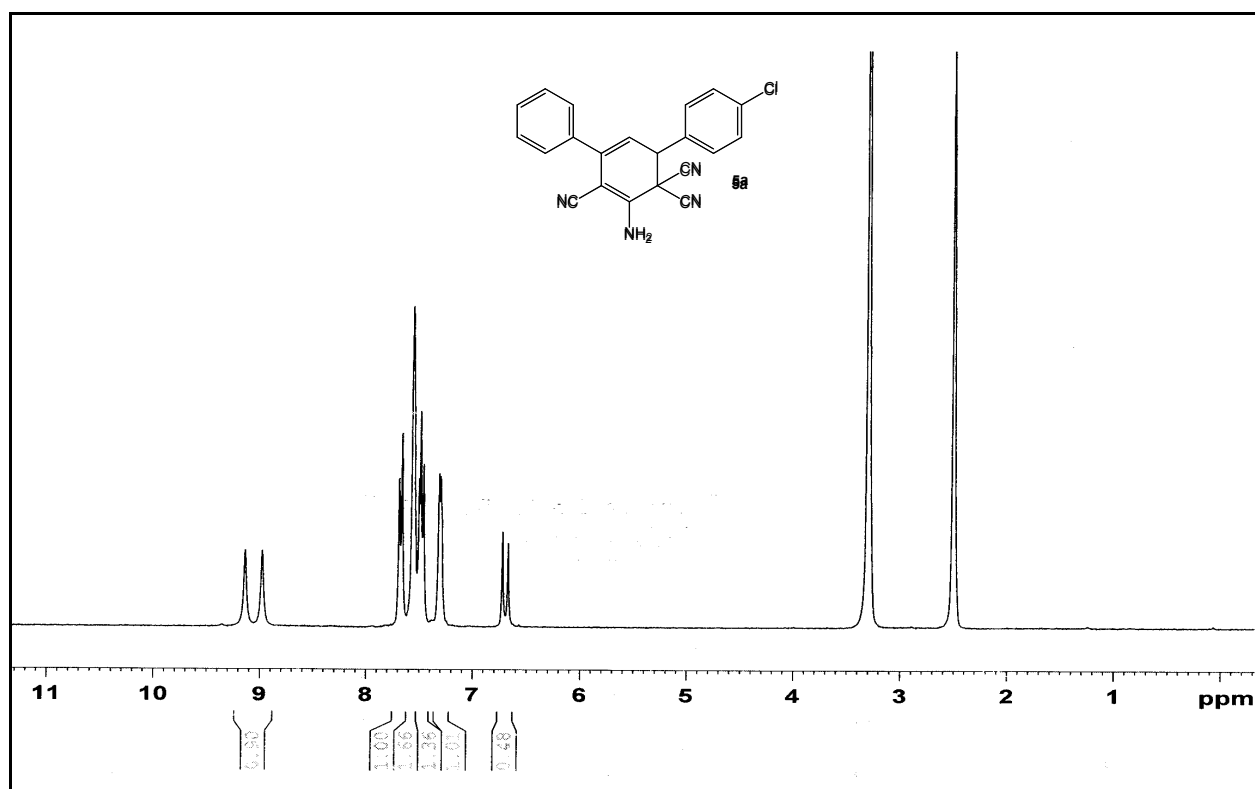
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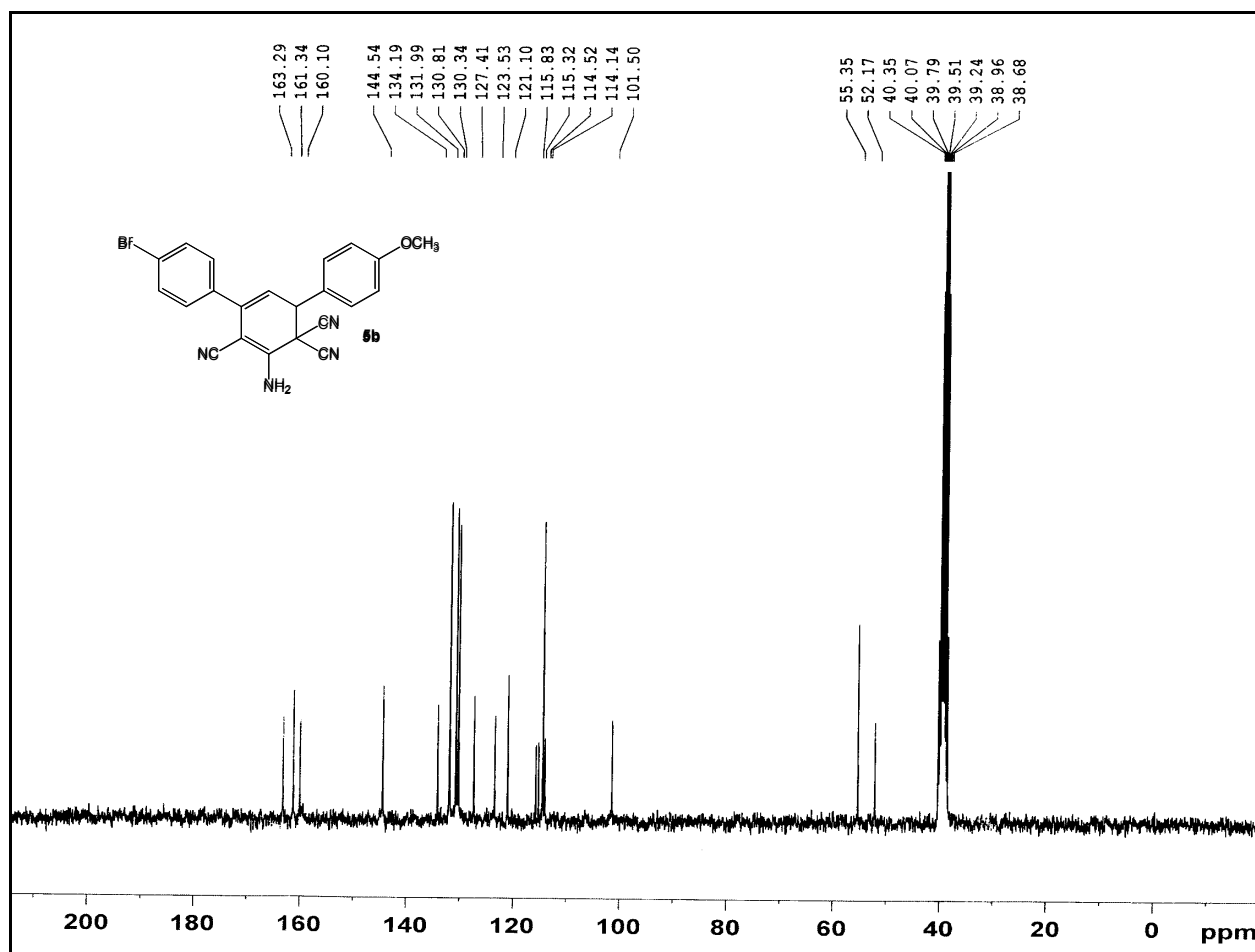
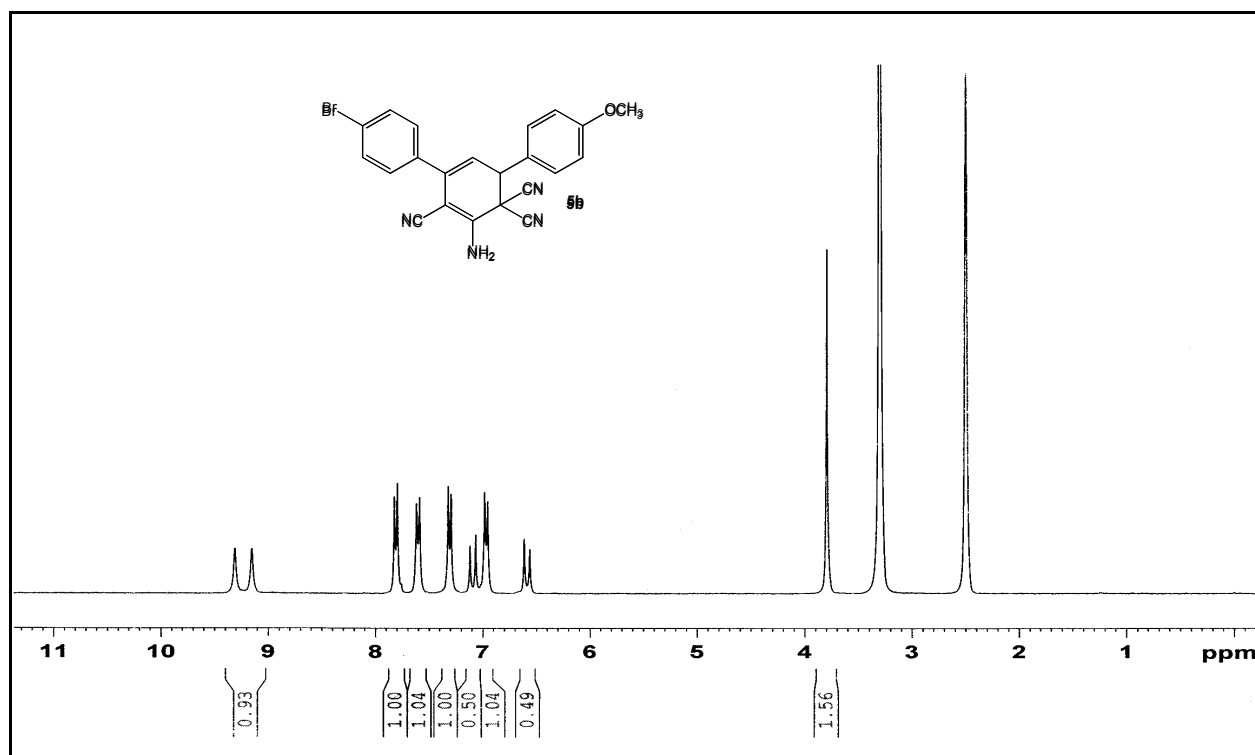
¹H and ¹³C NMR spectra for **4d**



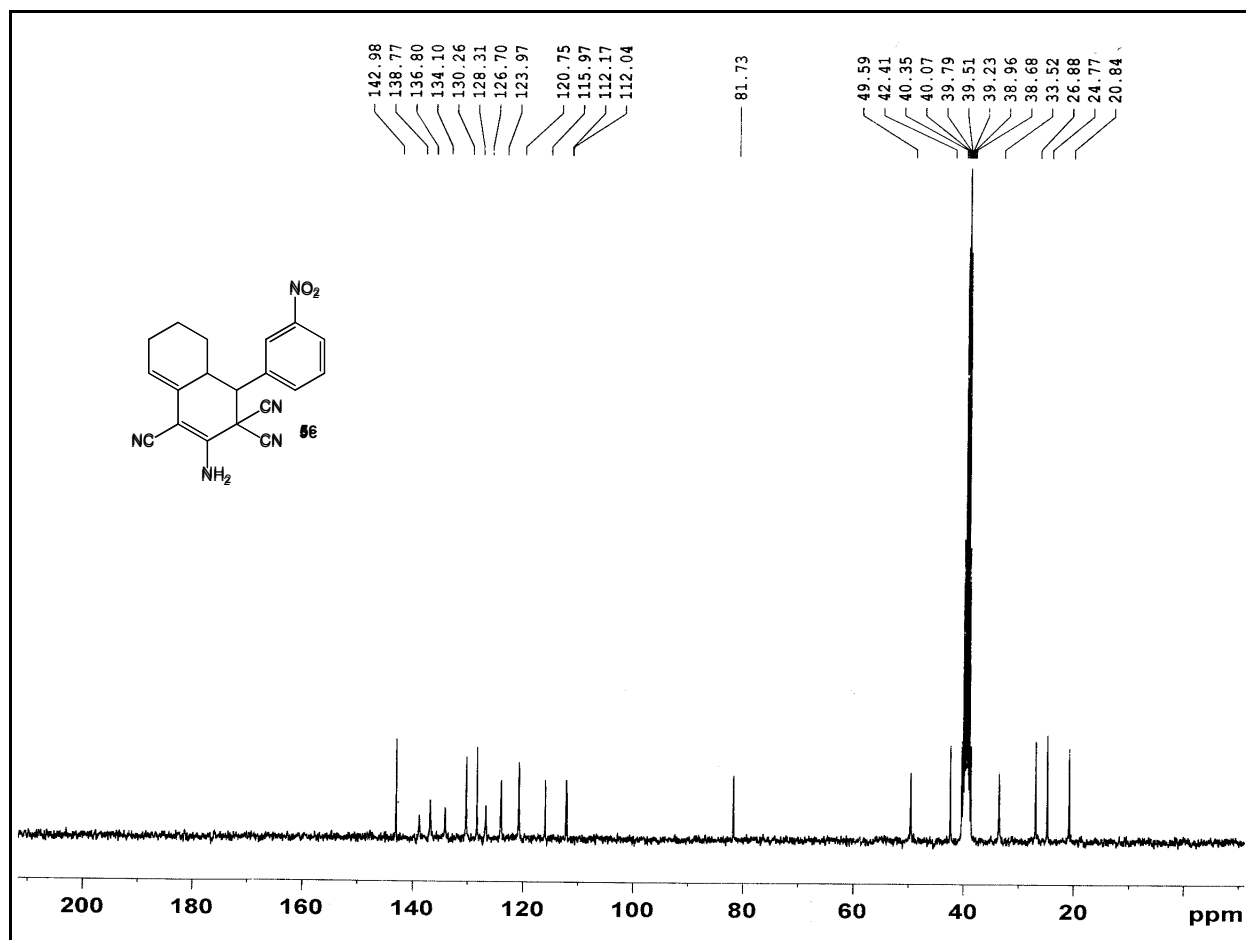
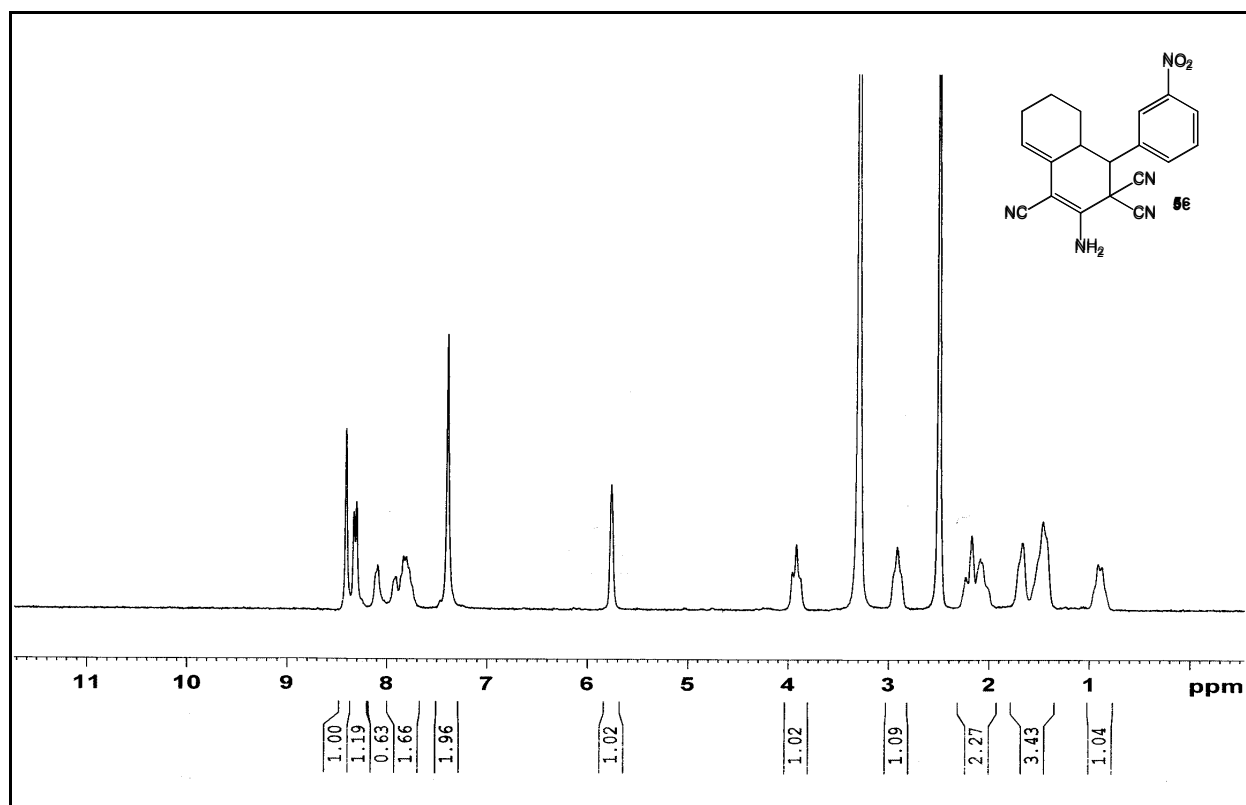
^1H and ^{13}C NMR spectra for **5a**



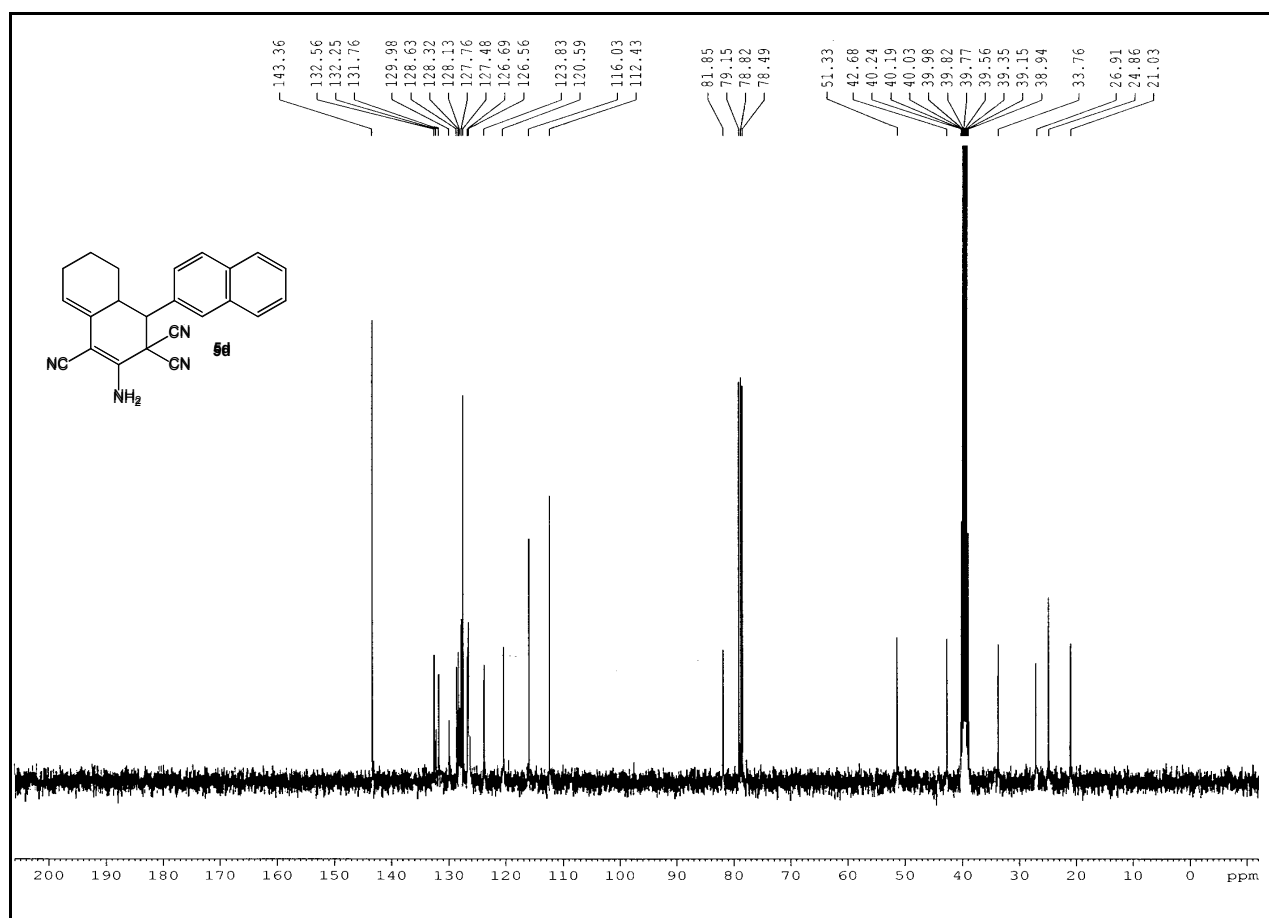
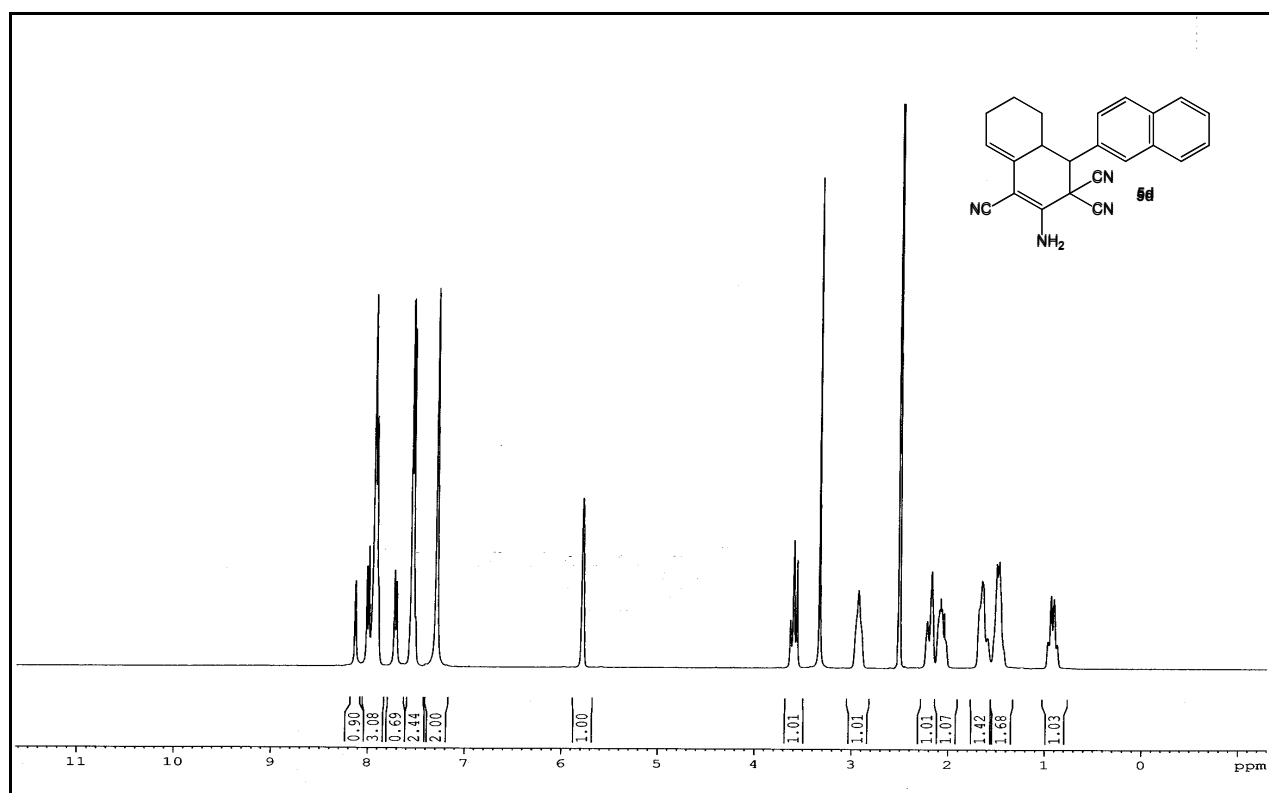
^1H and ^{13}C NMR spectra for **5b**



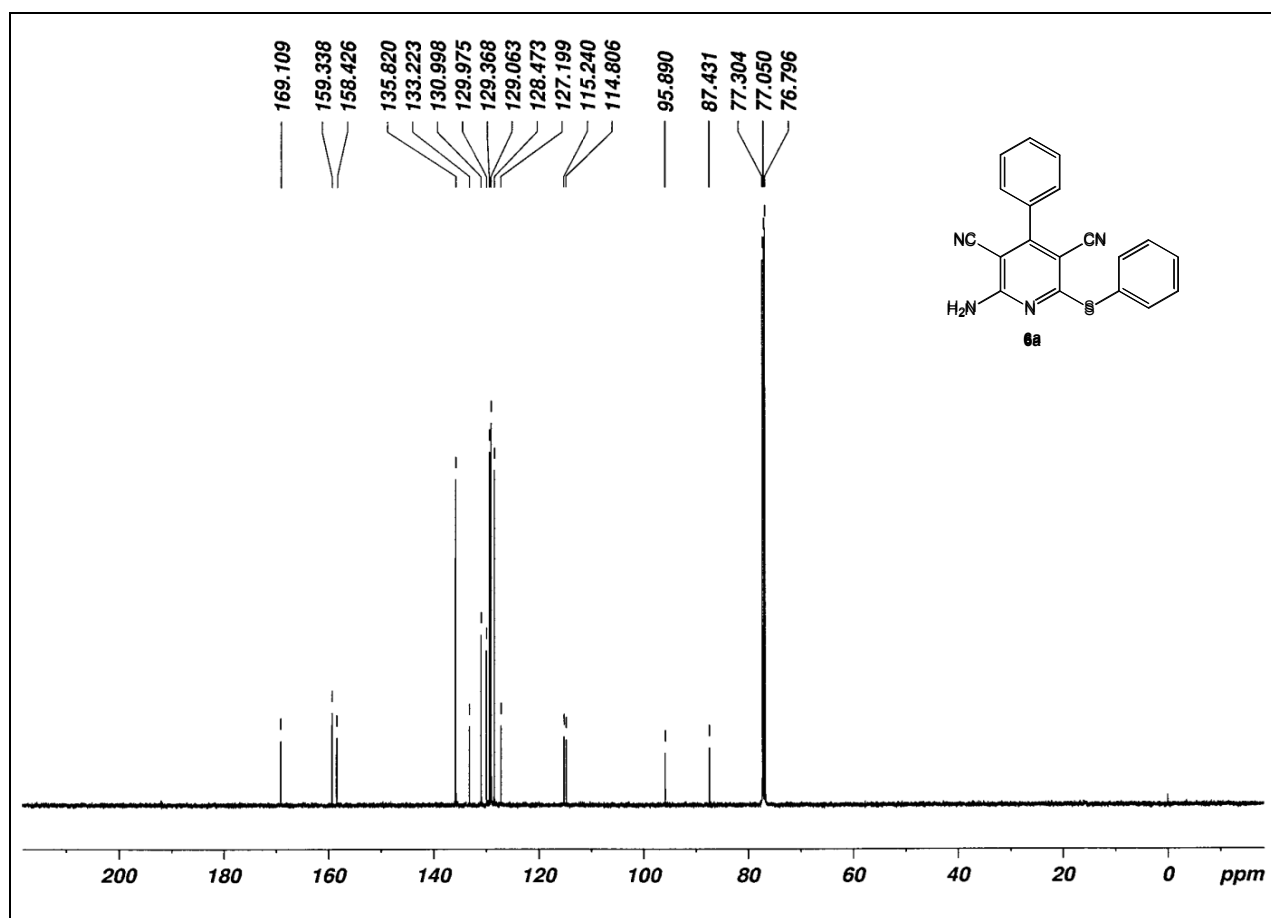
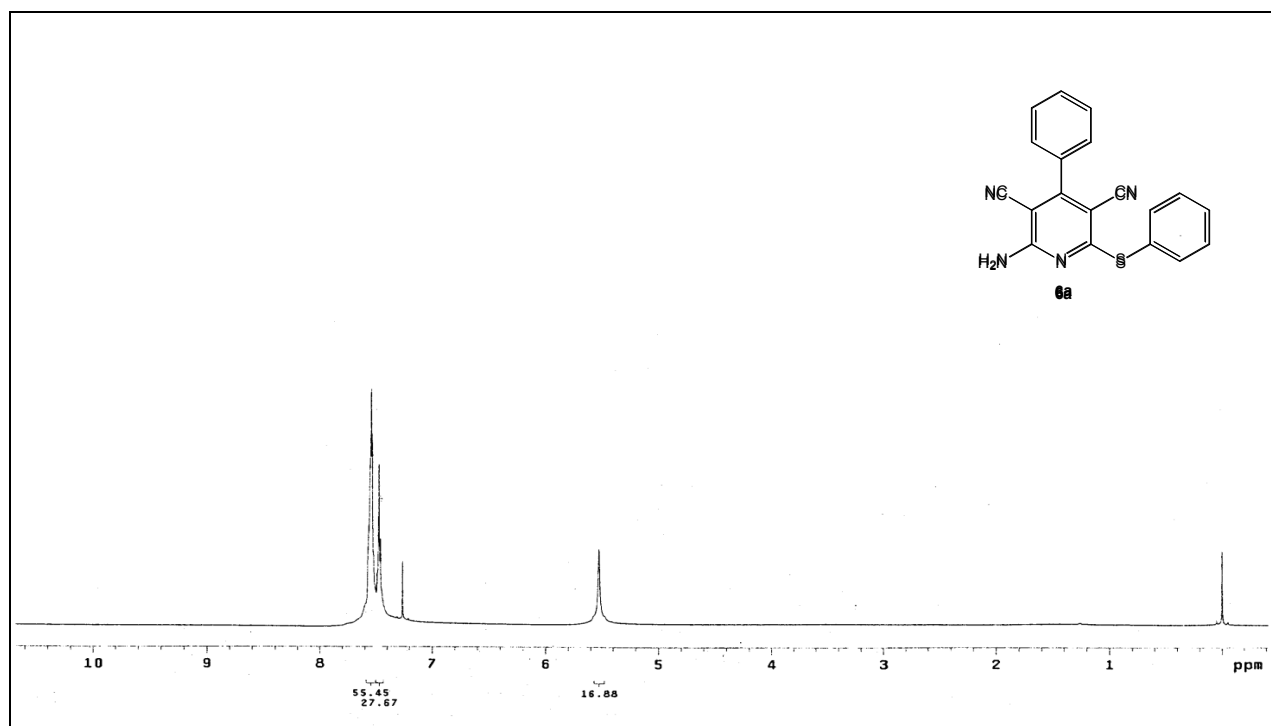
^1H and ^{13}C NMR spectra for **5c**



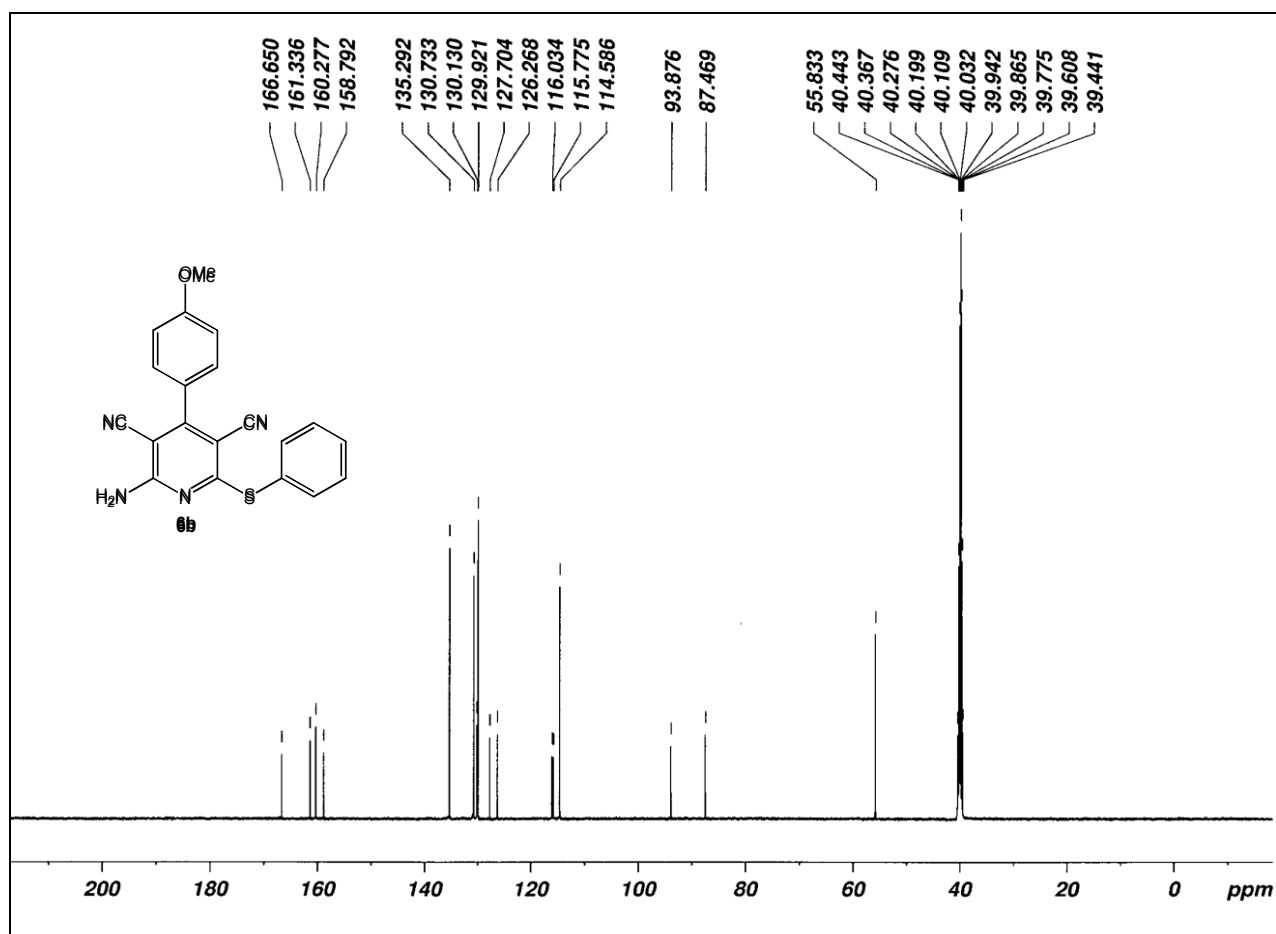
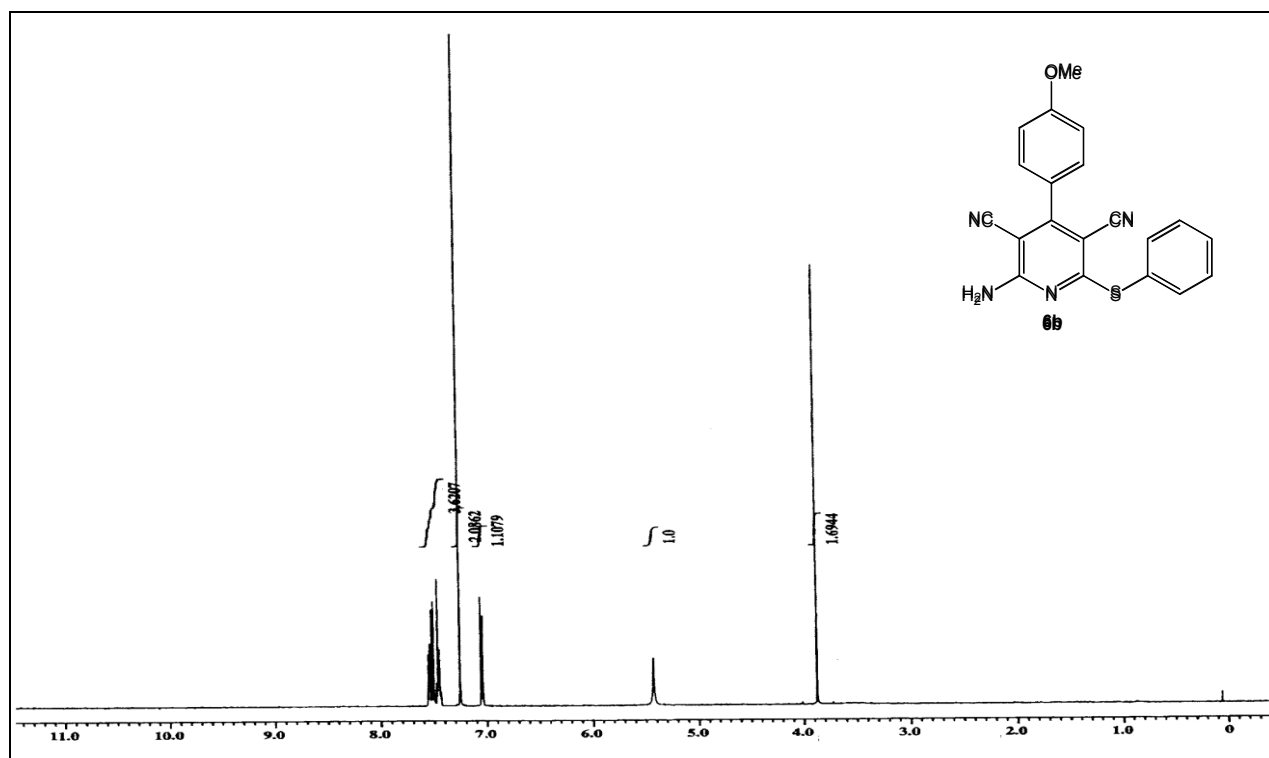
^1H and ^{13}C NMR spectra for **5d**



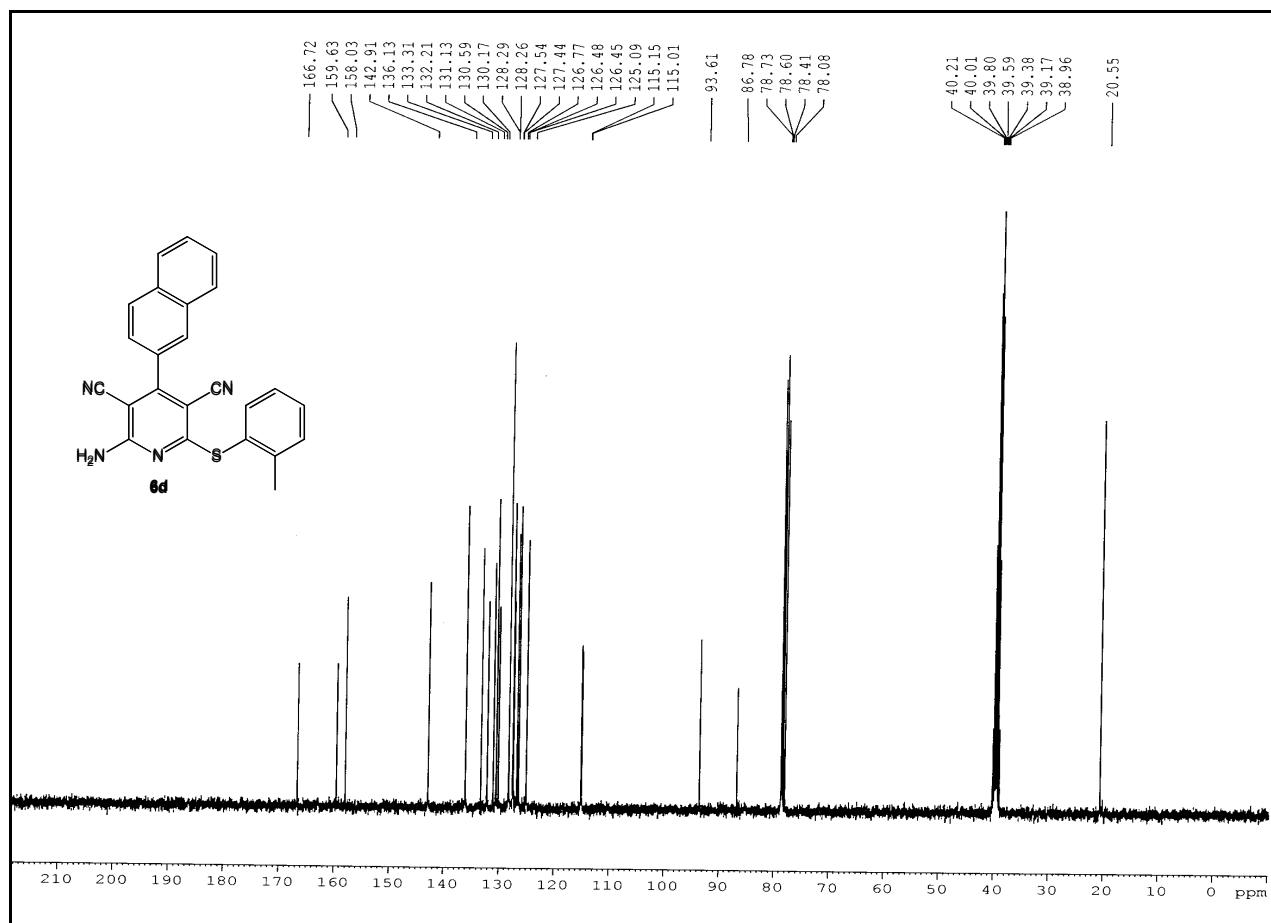
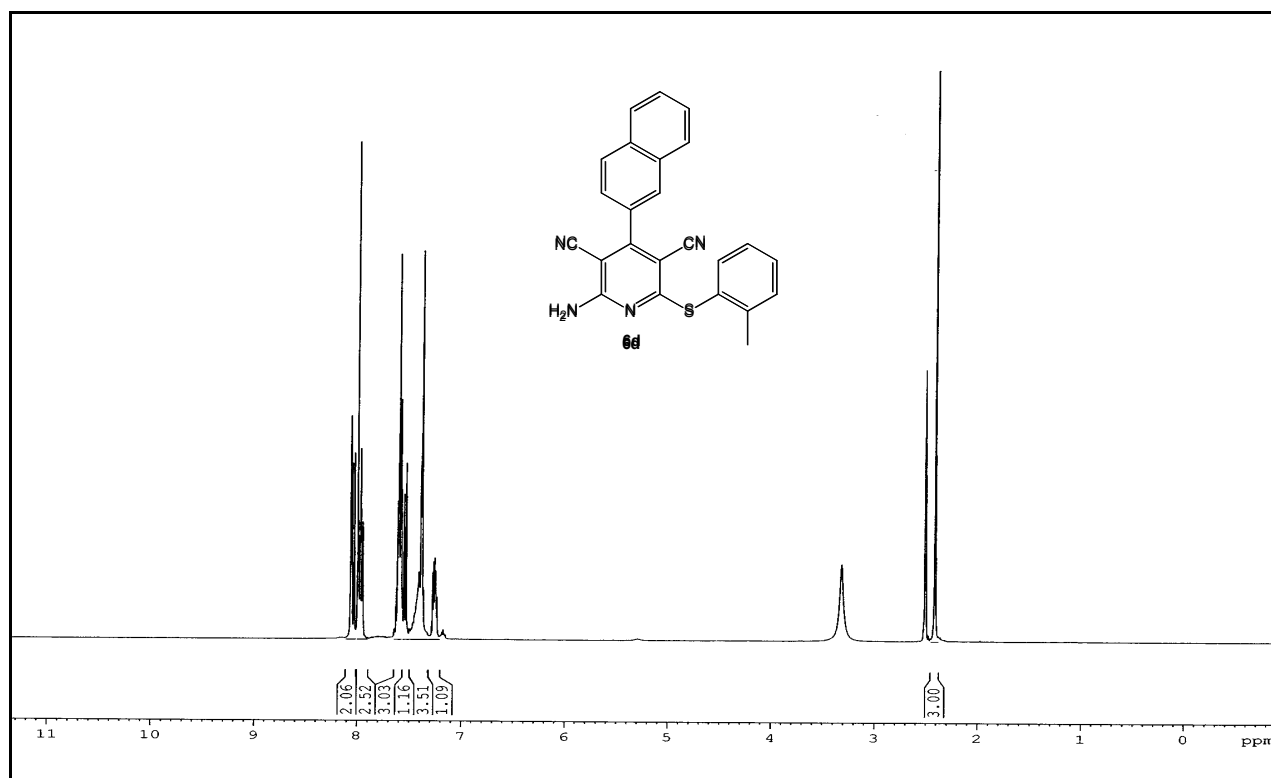
^1H and ^{13}C NMR spectra for **6a**



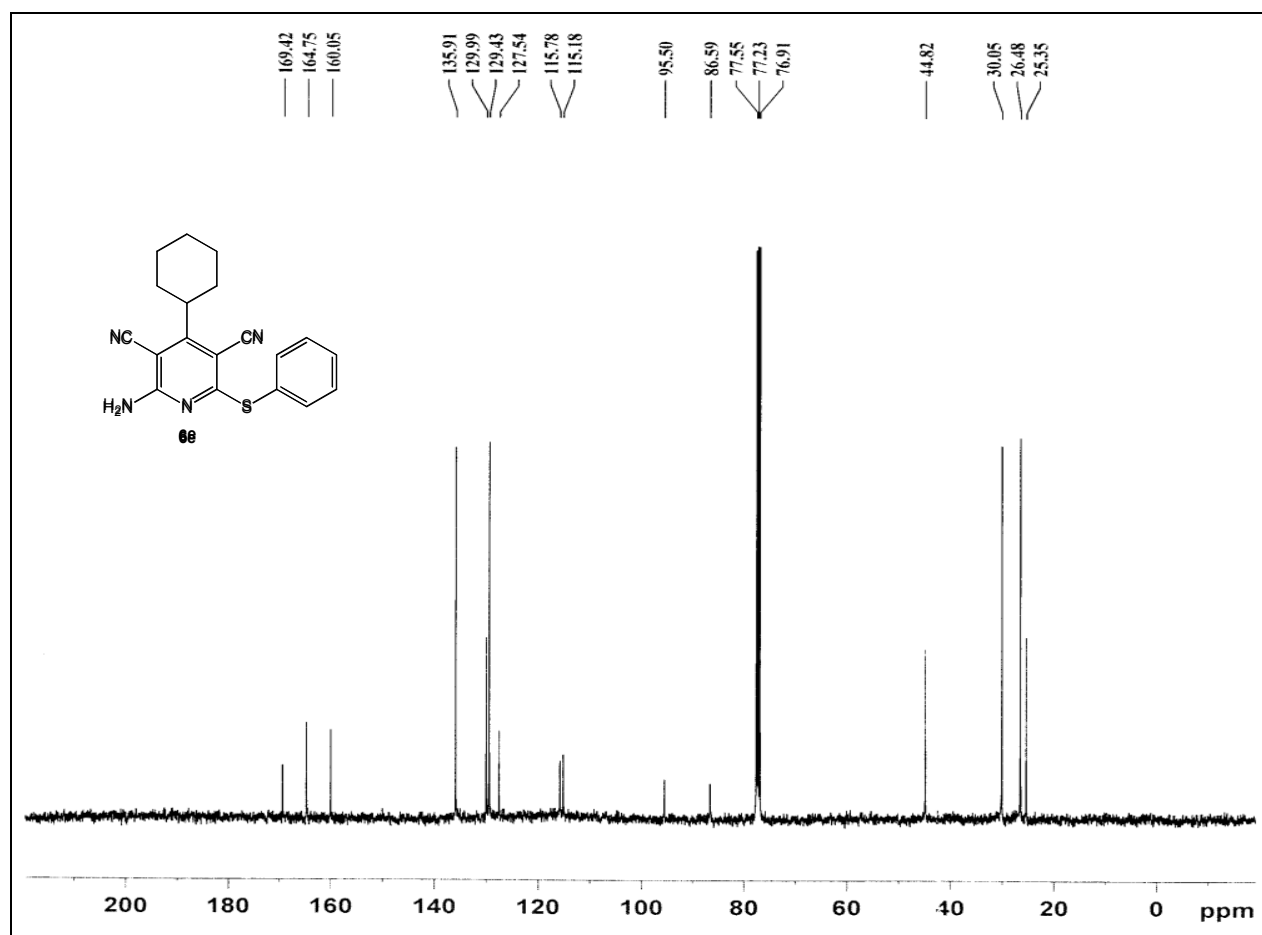
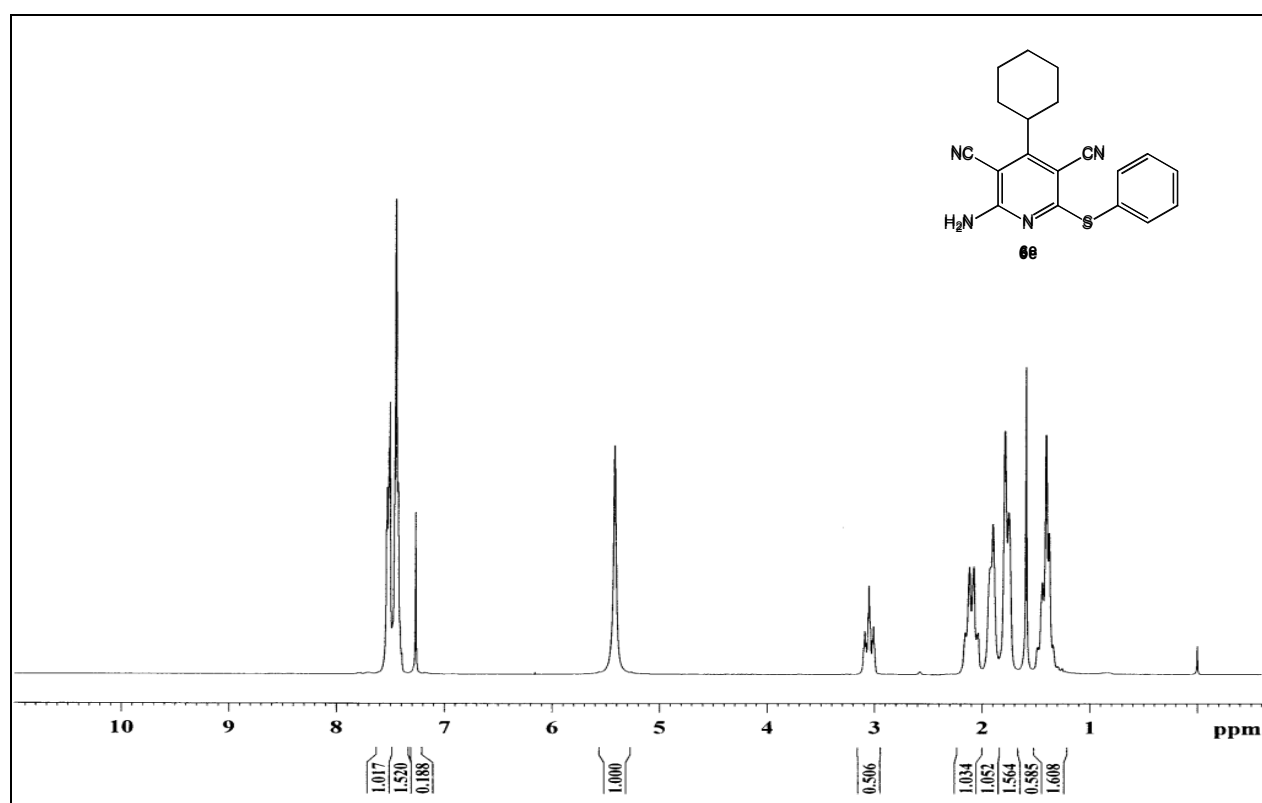
^1H and ^{13}C NMR spectra for **6b**



^1H and ^{13}C NMR spectra for **6d**



^1H and ^{13}C NMR spectra for **6e**



^1H and ^{13}C NMR spectra for **6f**

