

Supplementary Material

A simple one-pot synthesis of new 9-aryl-3,4,6,7,9,10-hexahydro-1,8(2H,5H)-acridinediones

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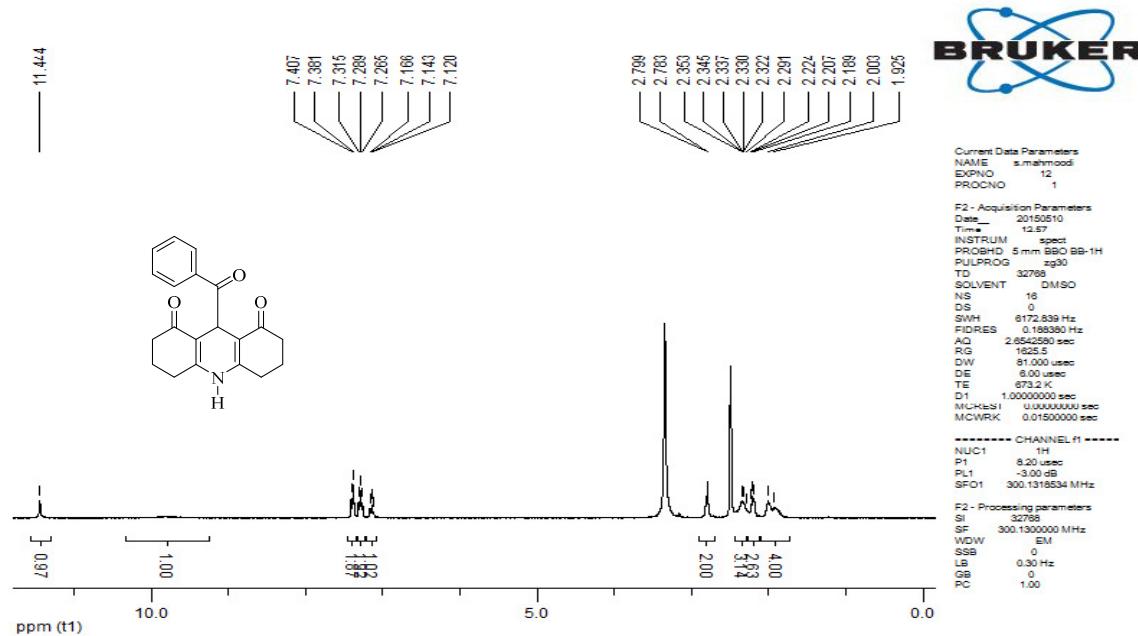
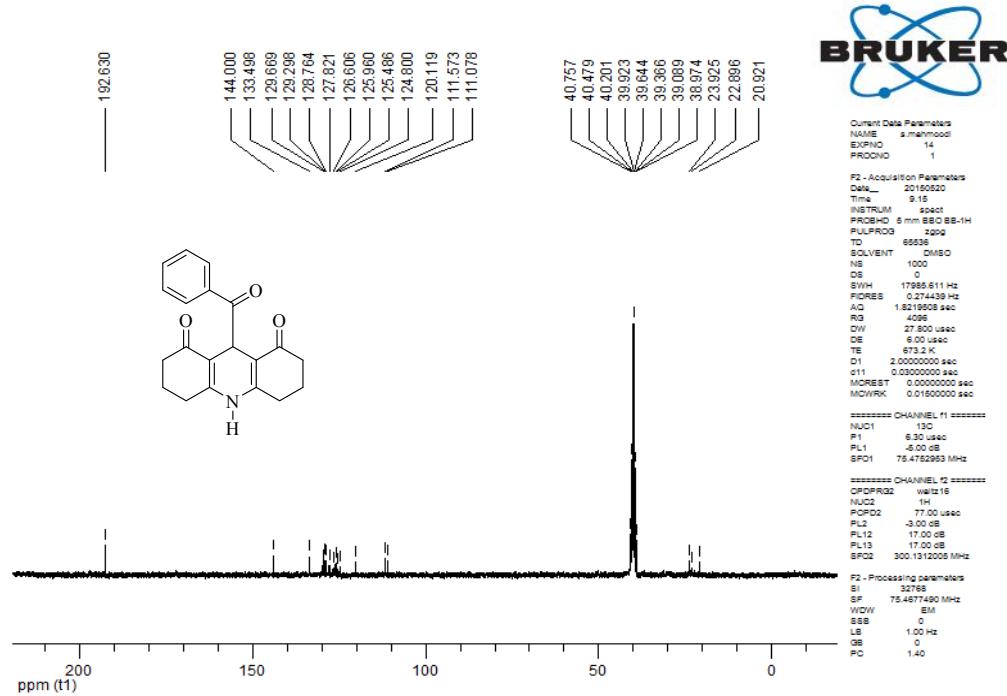
Figure S1. ^1H NMR spectrum (300 MHz, DMSO- d_6) of compound **4a**.**Figure S2.** ^{13}C NMR spectrum (75.5 MHz, DMSO- d_6) of compound **4a**.

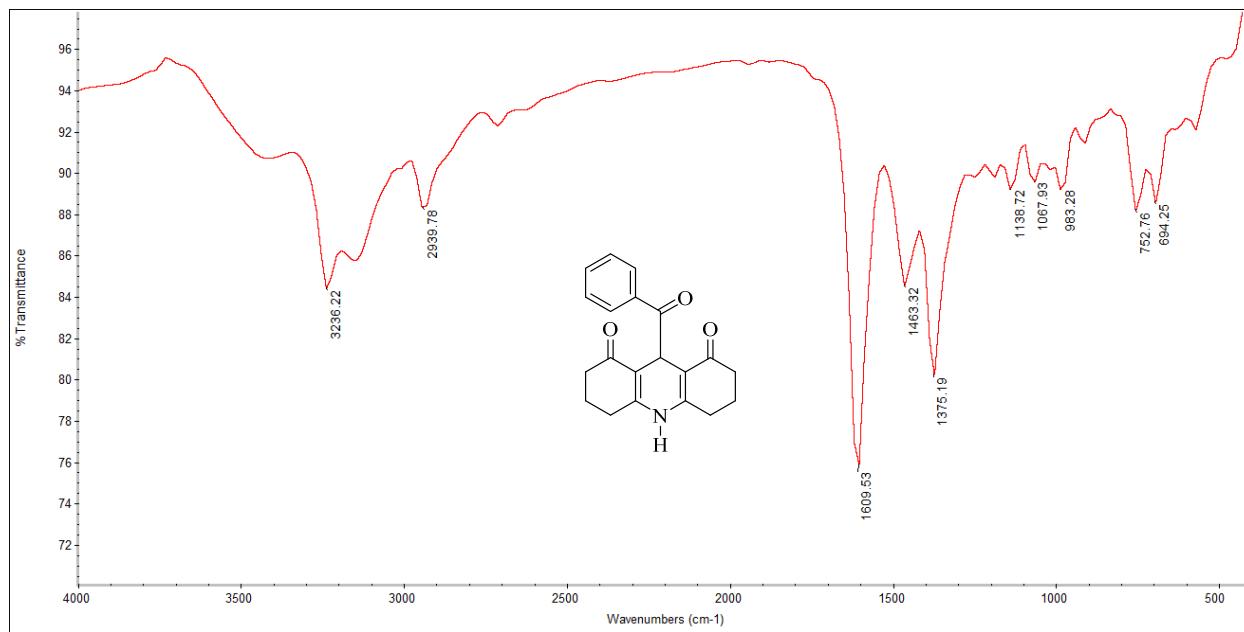
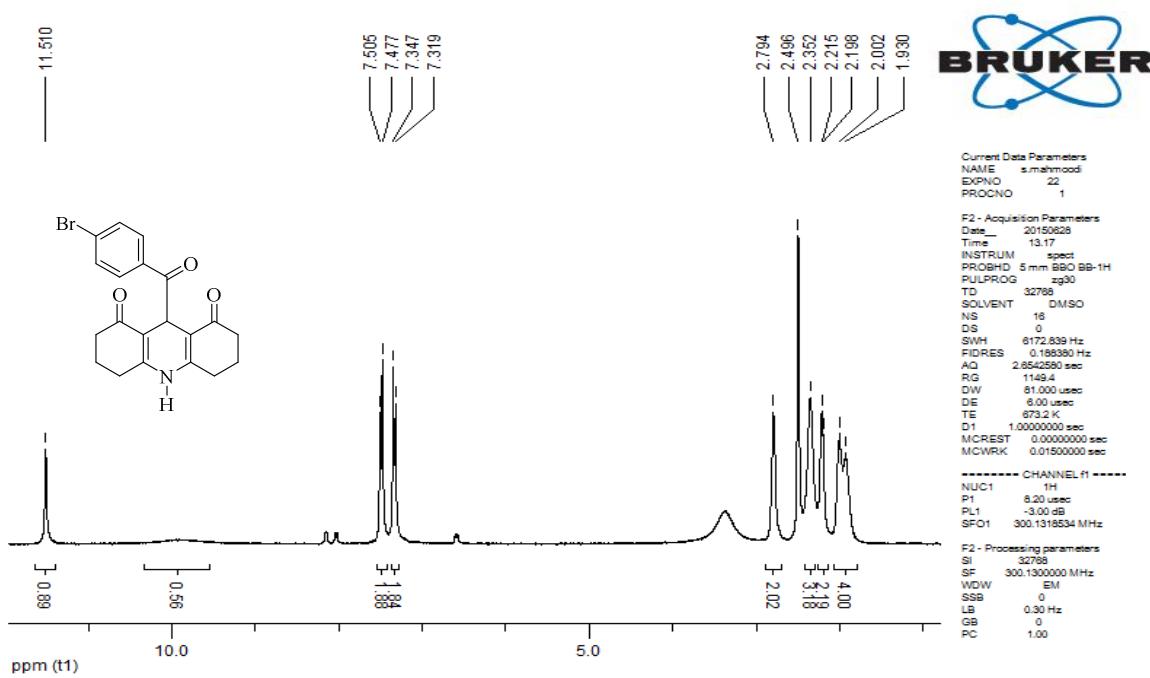
Figure S3. IR spectrum (KBr) of compound **4a**.**Figure S4.** ¹H NMR spectrum (300 MHz, DMSO-*d*₆) of compound **4b**.

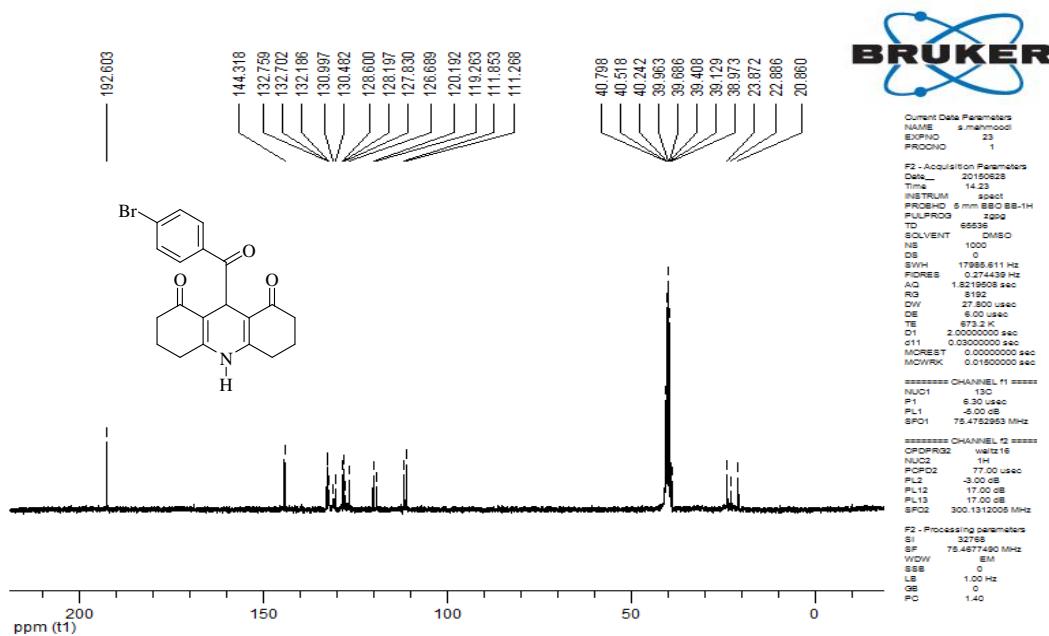
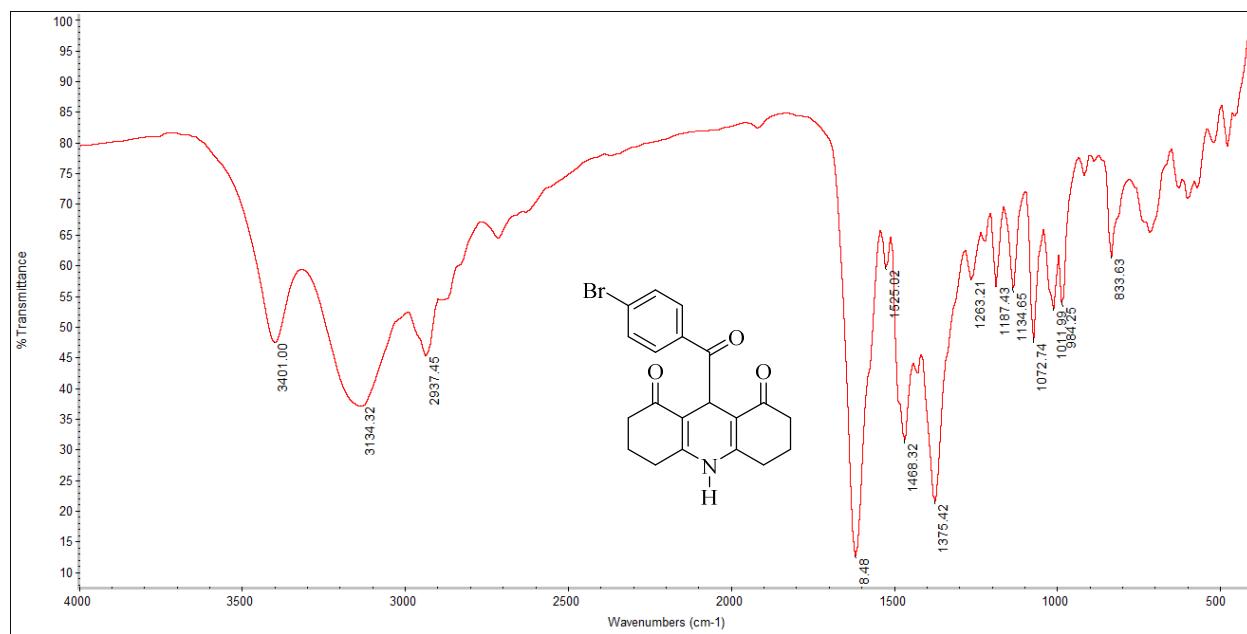
Figure S5. ^{13}C NMR spectrum (75.5 MHz, $\text{DMSO}-d_6$) of compound **4b**.**Figure S6.** IR spectrum (KBr) of compound **4b**.

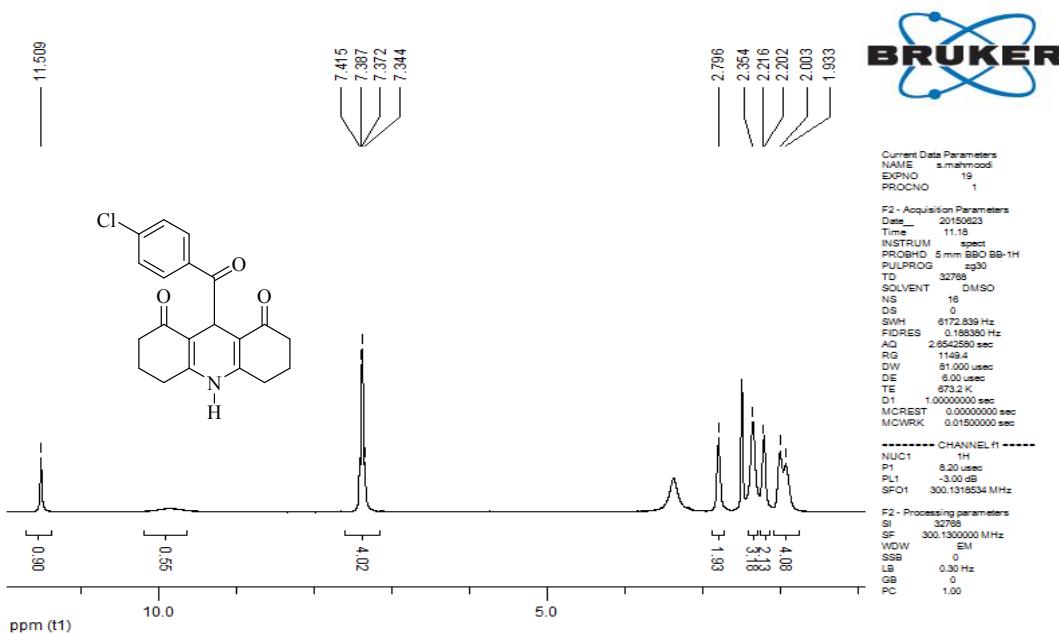
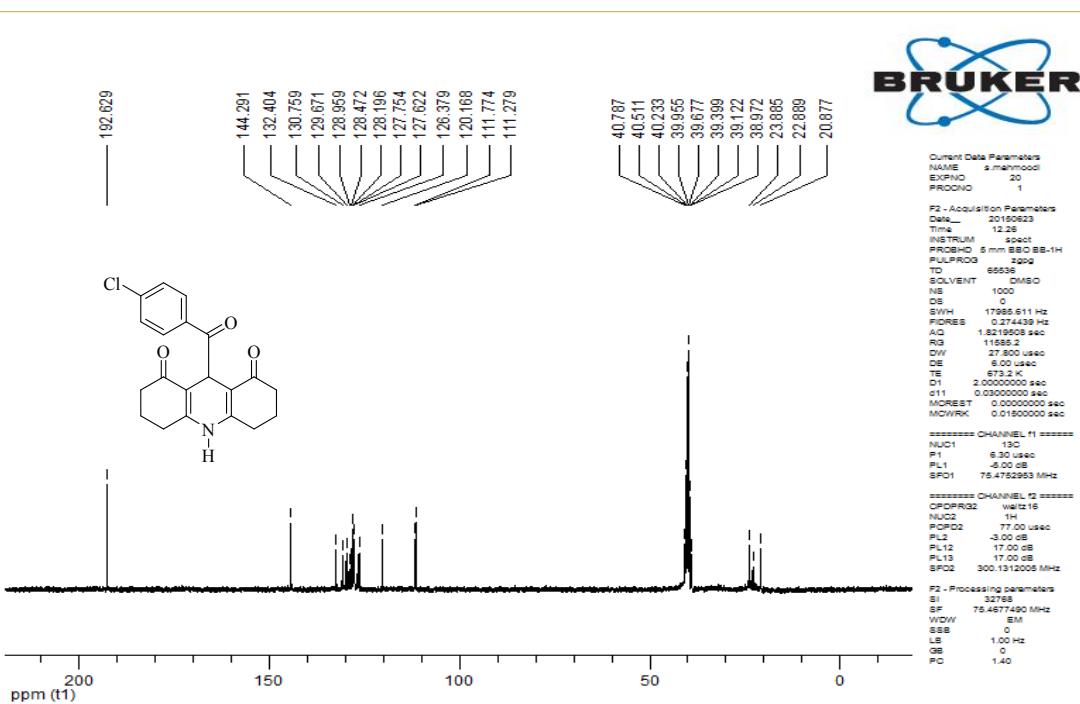
Figure S7. ^1H NMR spectrum (300 MHz, DMSO- d_6) of compound **4c**.**Figure S8.** ^{13}C NMR spectrum (75.5 MHz, DMSO- d_6) of compound **4c**.

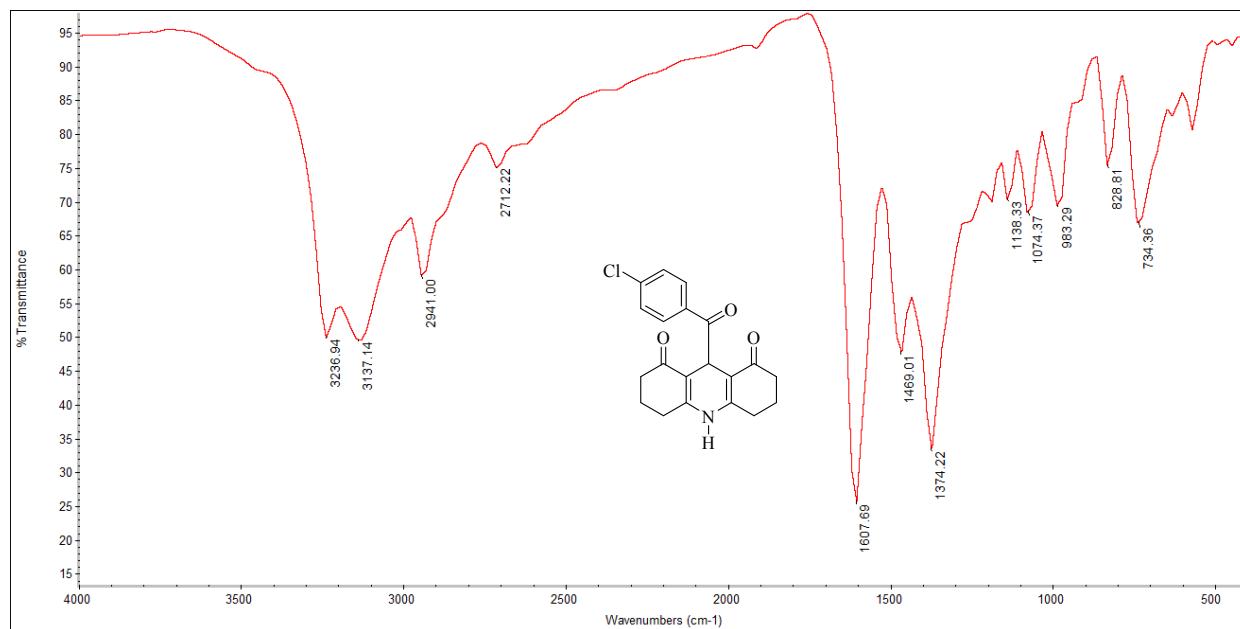
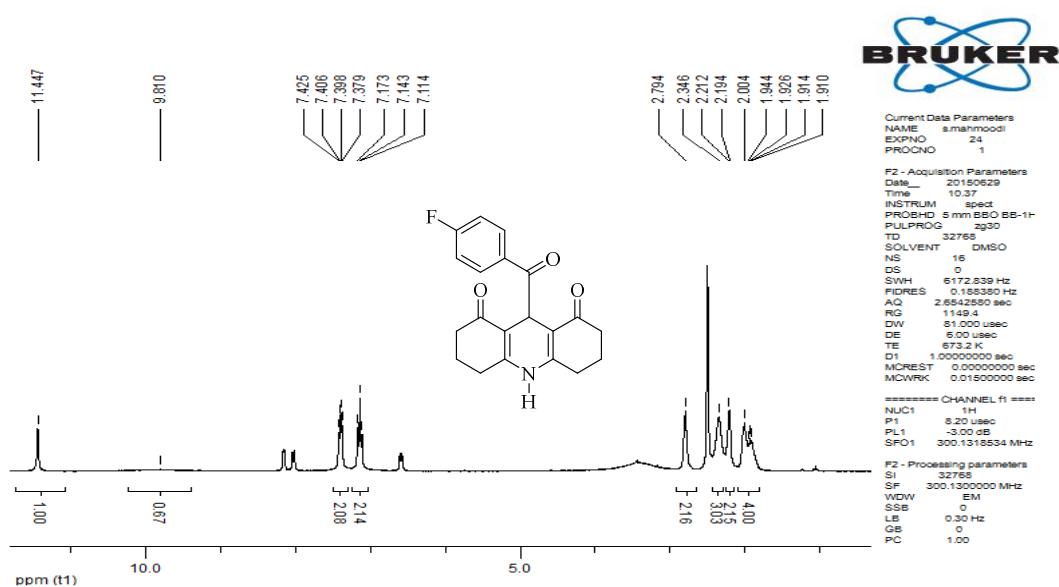
Figure S9. IR spectrum (KBr) of compound **4c**.**Figure S10.** ¹H NMR spectrum (300 MHz, DMSO-*d*₆) of compound **4d**.

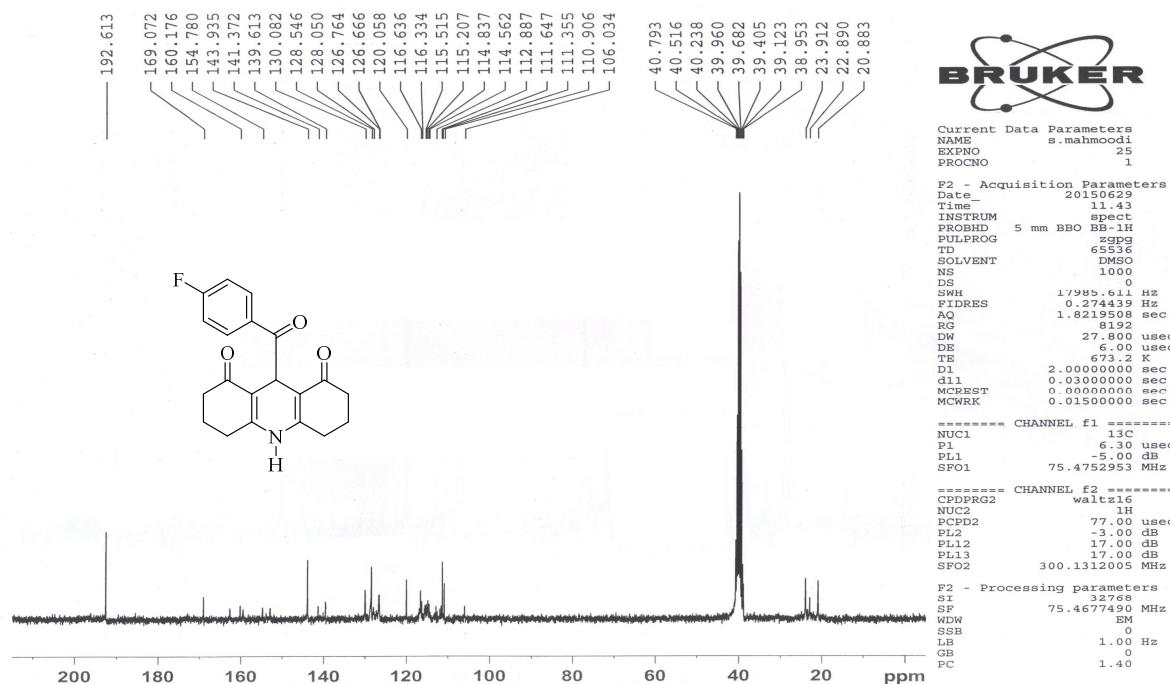
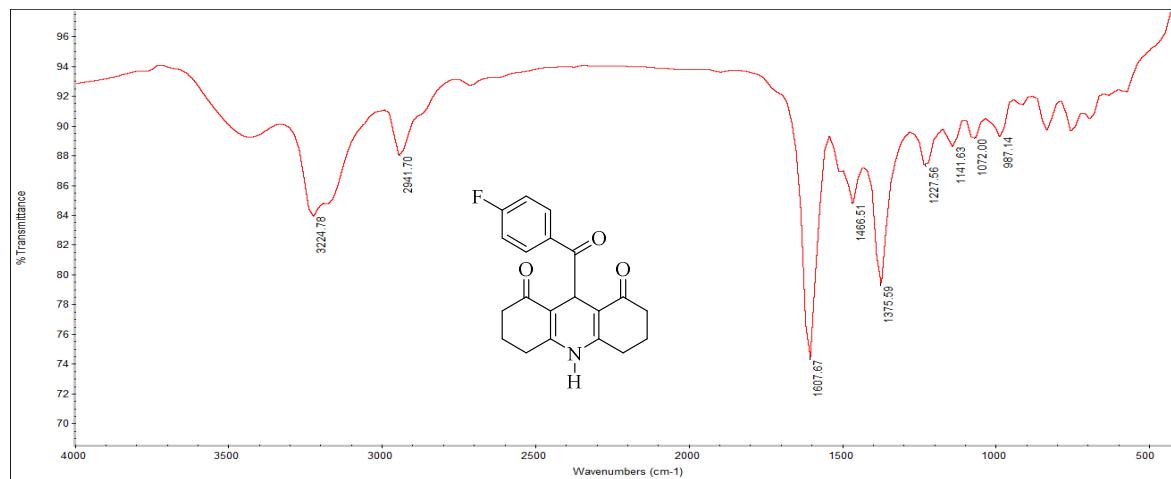
Figure S11. ^{13}C NMR spectrum (75.5 MHz, $\text{DMSO}-d_6$) of compound **4d**.**Figure S12.** IR spectrum (KBr) of compound **4d**.

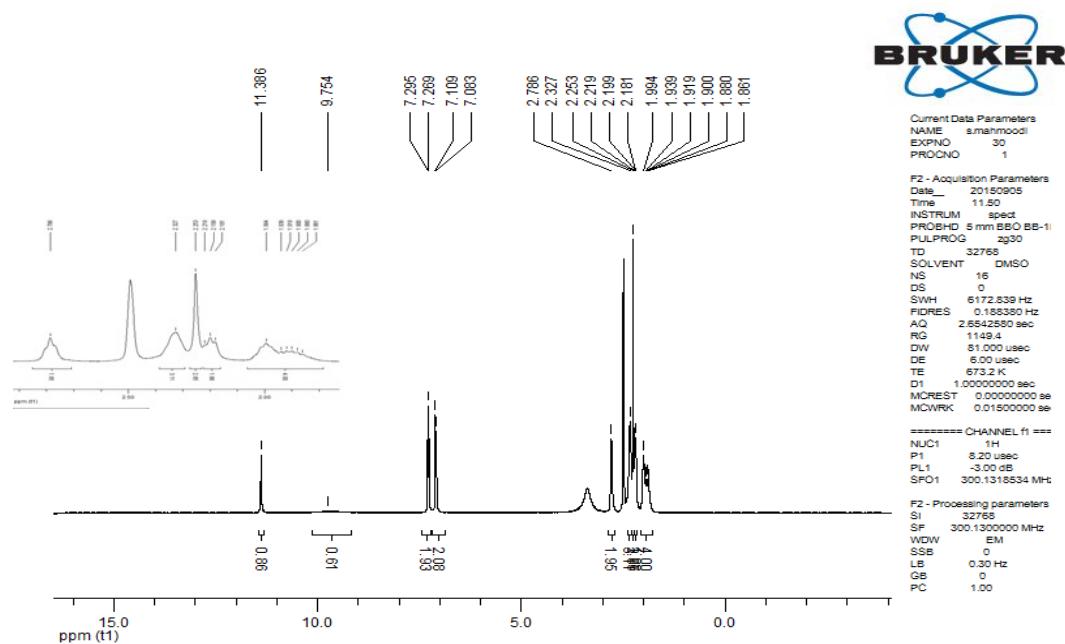
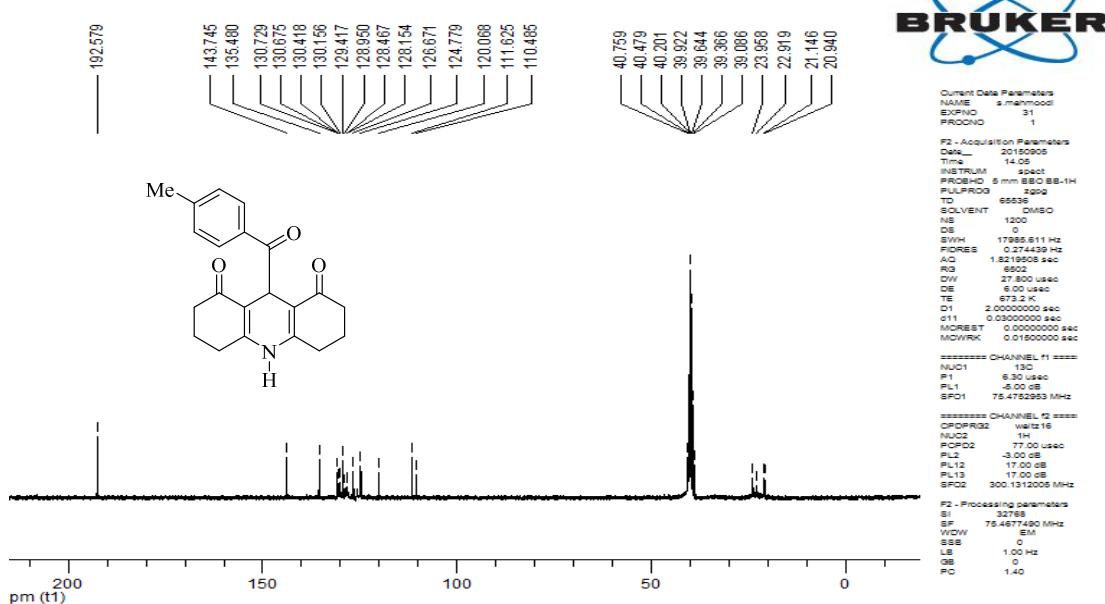
Figure S13. ^1H NMR spectrum (300 MHz, DMSO- d_6) of compound **4e**.**Figure S14.** ^{13}C NMR spectrum (75.5 MHz, DMSO- d_6) of compound **4e**.

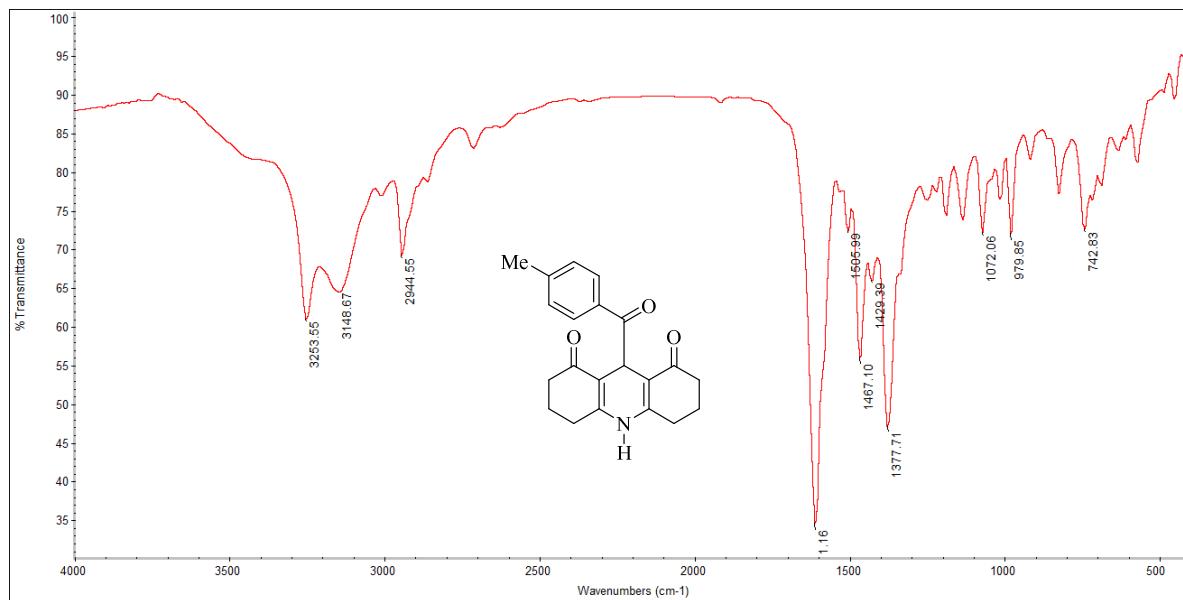
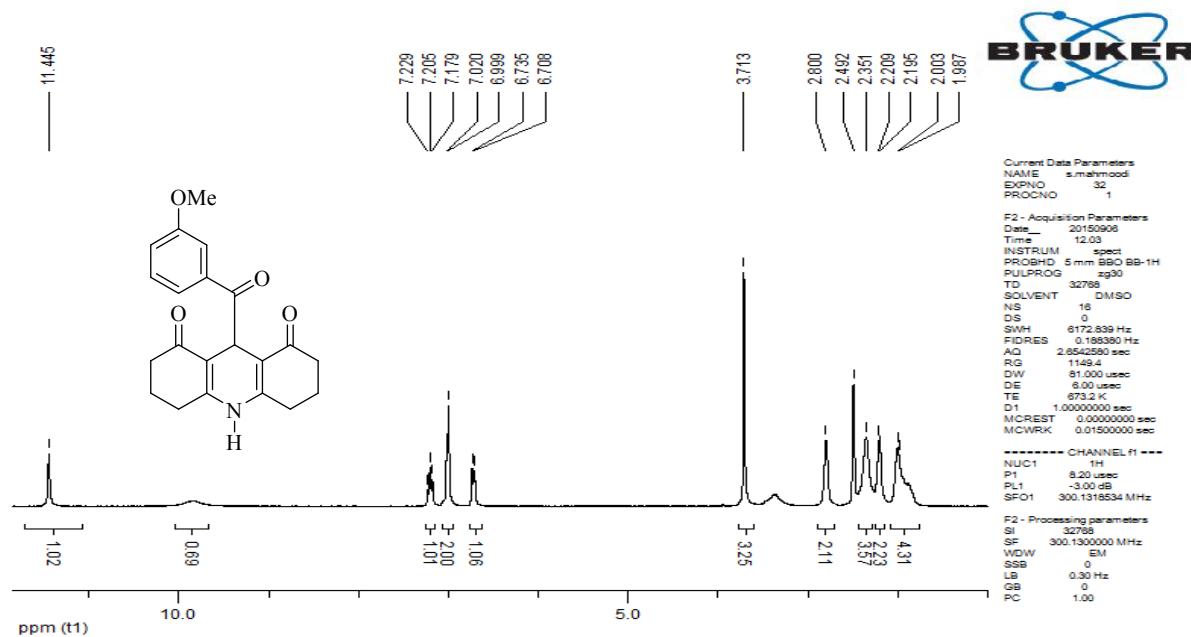
Figure S15. IR spectrum (KBr) of compound **4e**.**Figure S16.** ^1H NMR spectrum (300 MHz, $\text{DMSO}-d_6$) of compound **4f**.

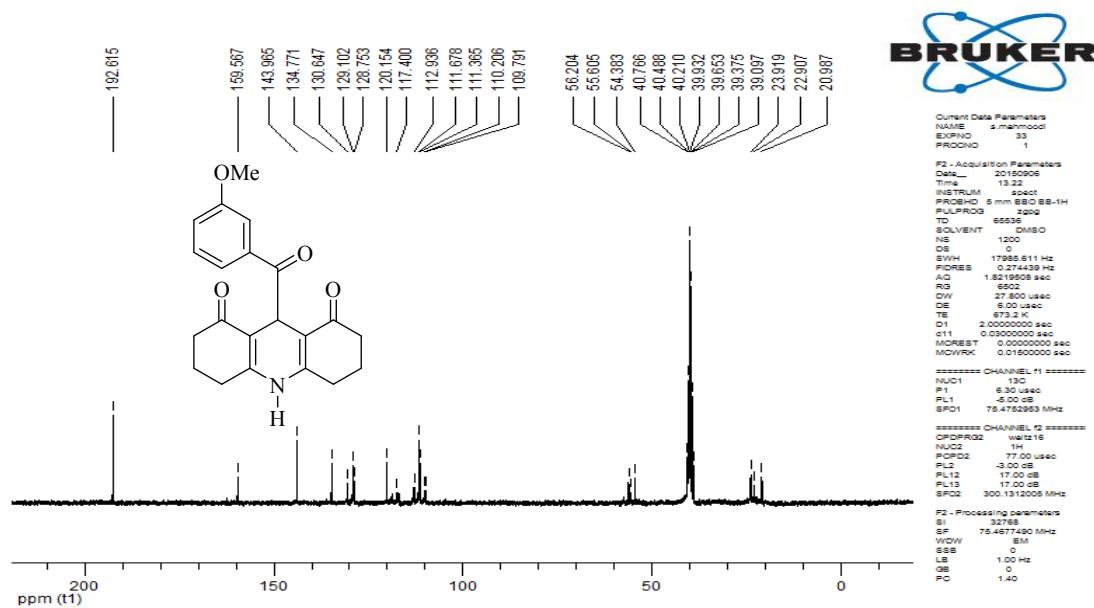
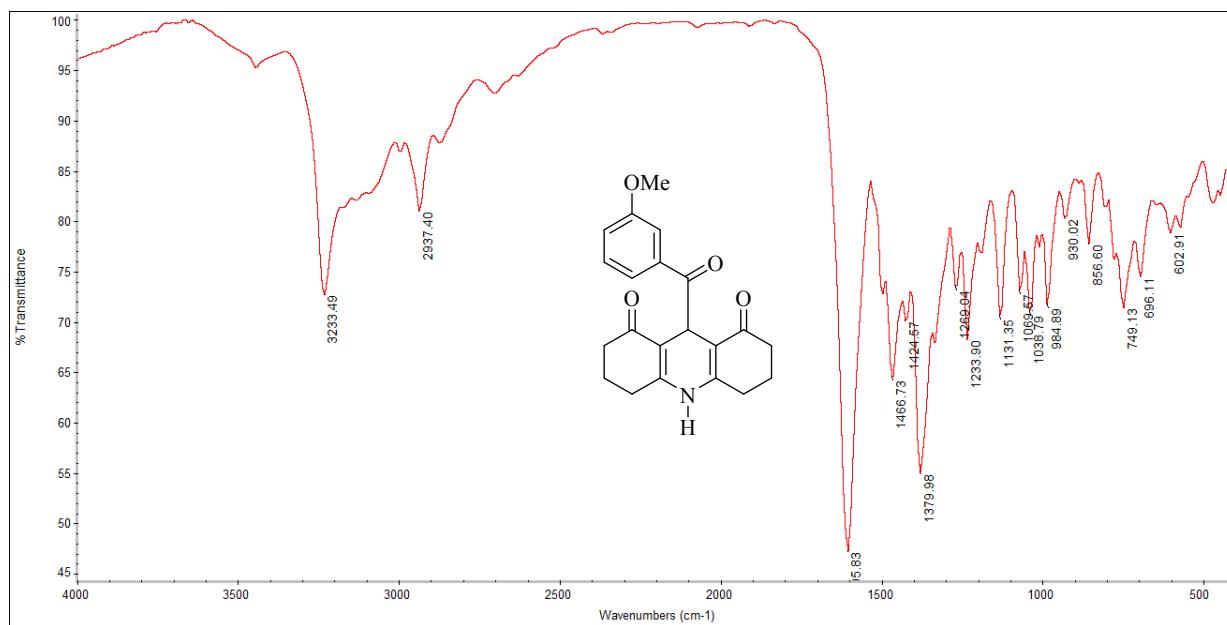
Figure S17. ^{13}C NMR spectrum (75.5 MHz, $\text{DMSO}-d_6$) of compound **4f**.**Figure S18.** IR spectrum (KBr) of compound **4f**.

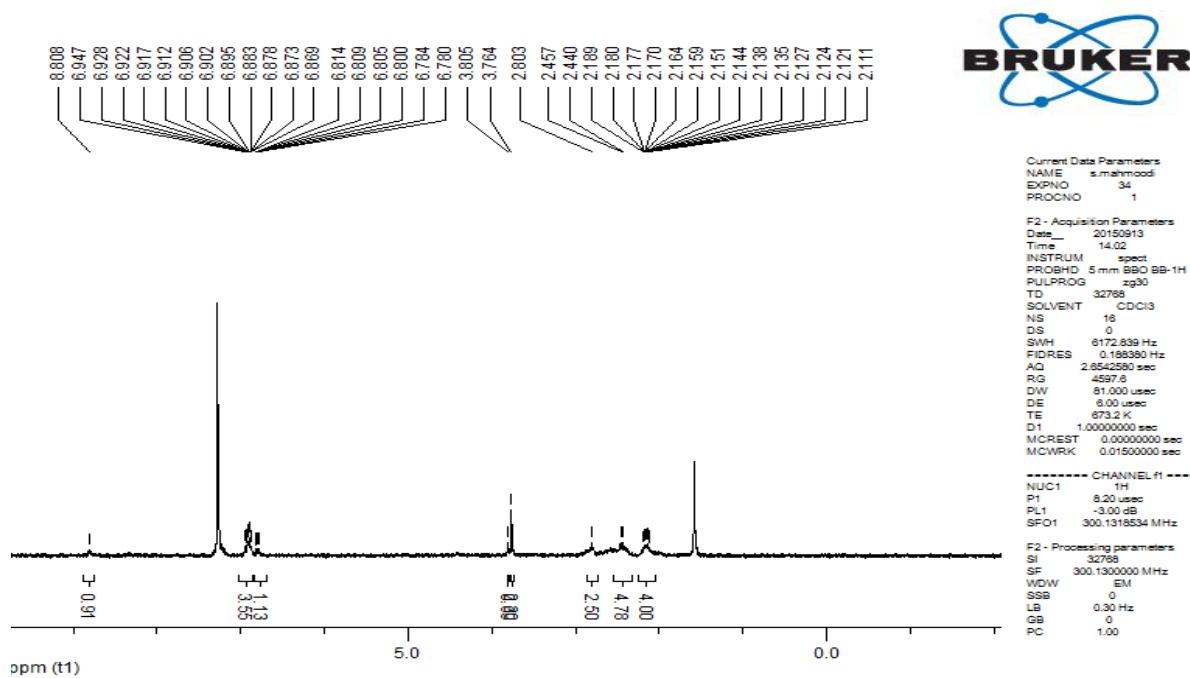
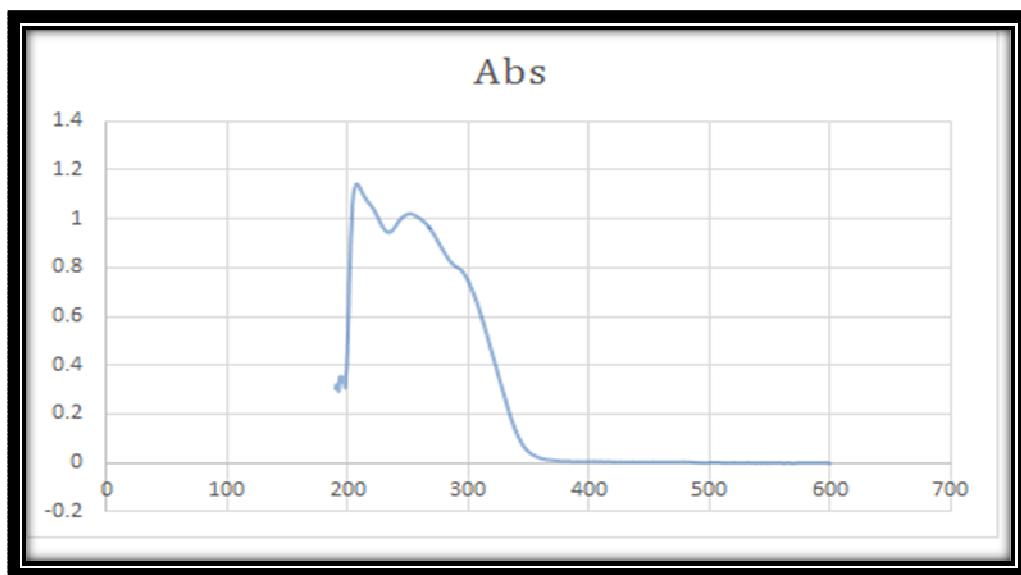
Figure S19. ^1H NMR spectrum (300 MHz, CDCl_3) of compound **4f****Figure S20.** UV-Vis spectrum (Solvent : MeOH) of compound **4f**

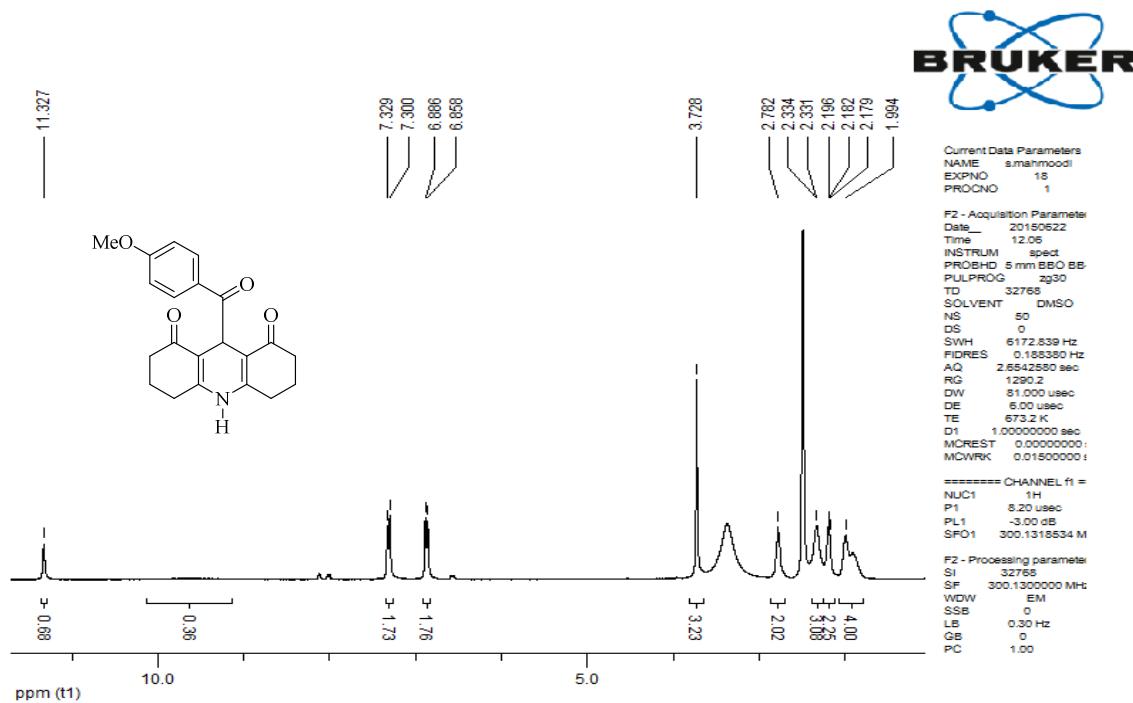
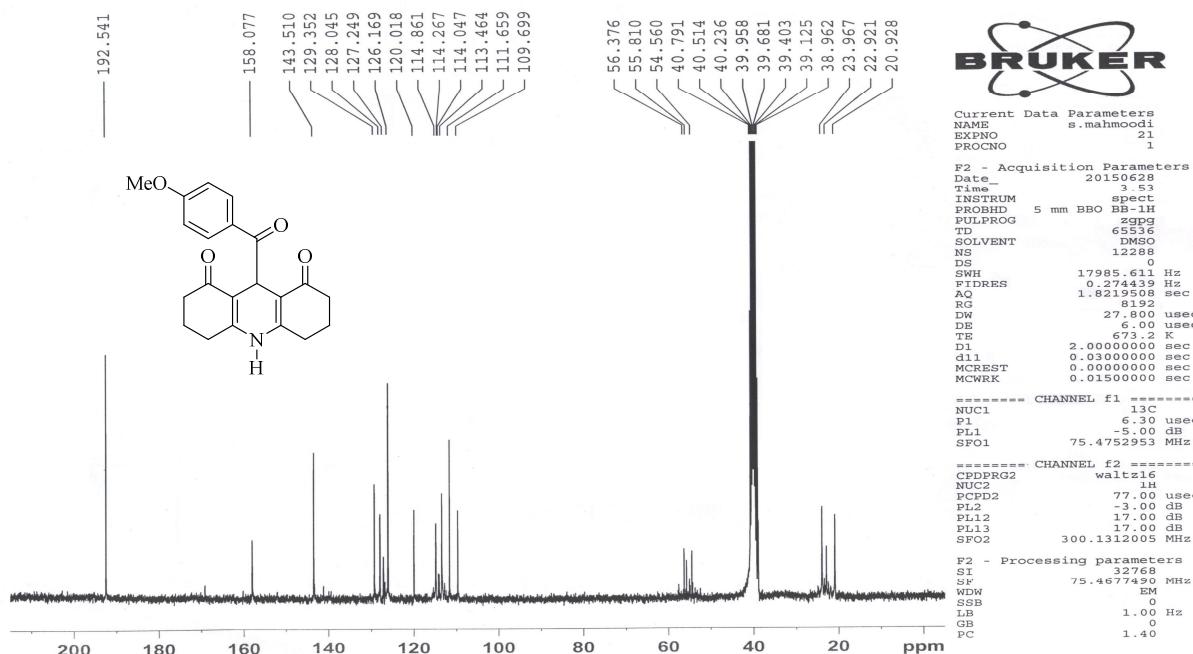
Figure S21. ^1H NMR spectrum (300 MHz, DMSO- d_6) of compound **4g**.**Figure S22.** ^{13}C NMR spectrum (75.5 MHz, DMSO- d_6) of compound **4g**.

Figure S23. IR spectrum (KBr) of compound **4g**.

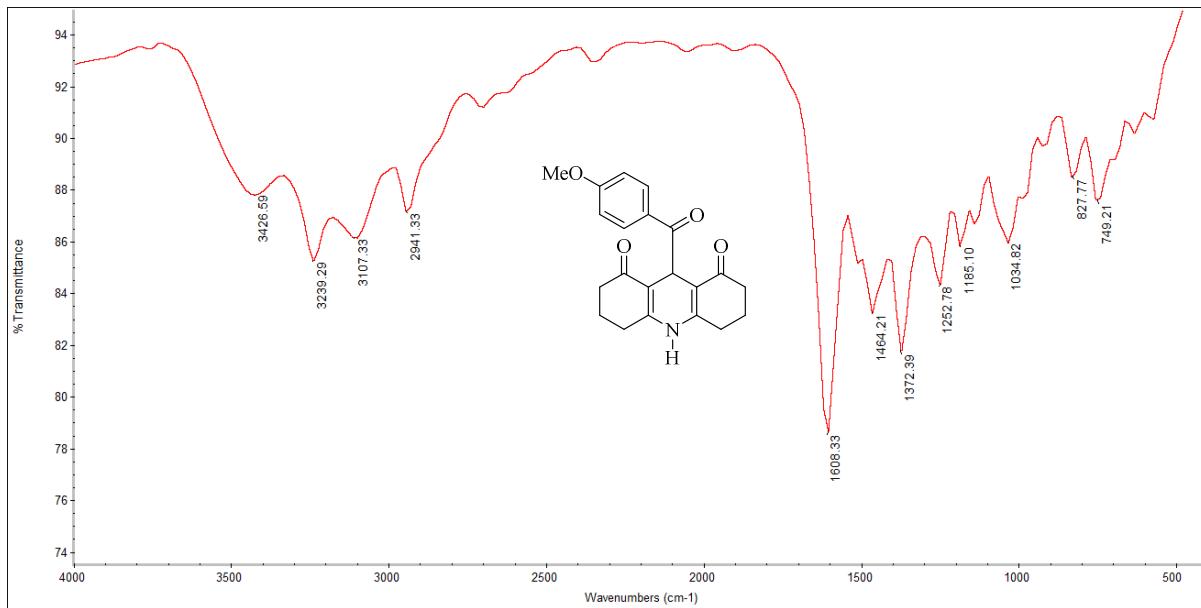


Figure S24. ^1H NMR spectrum (300 MHz, $\text{DMSO}-d_6$) of compound **4h**.

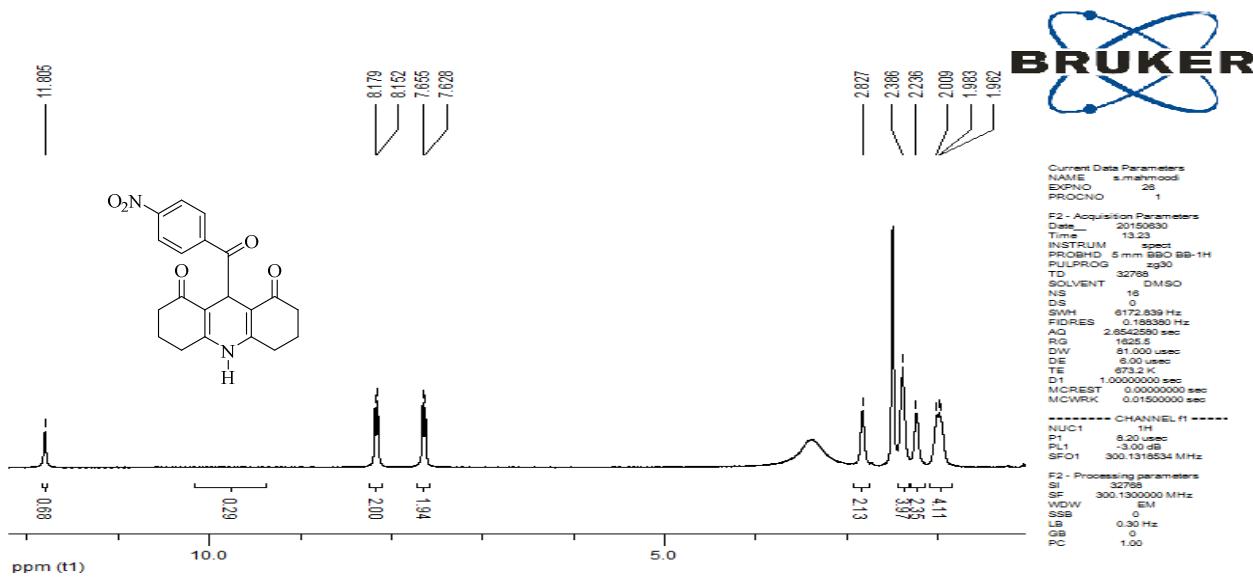
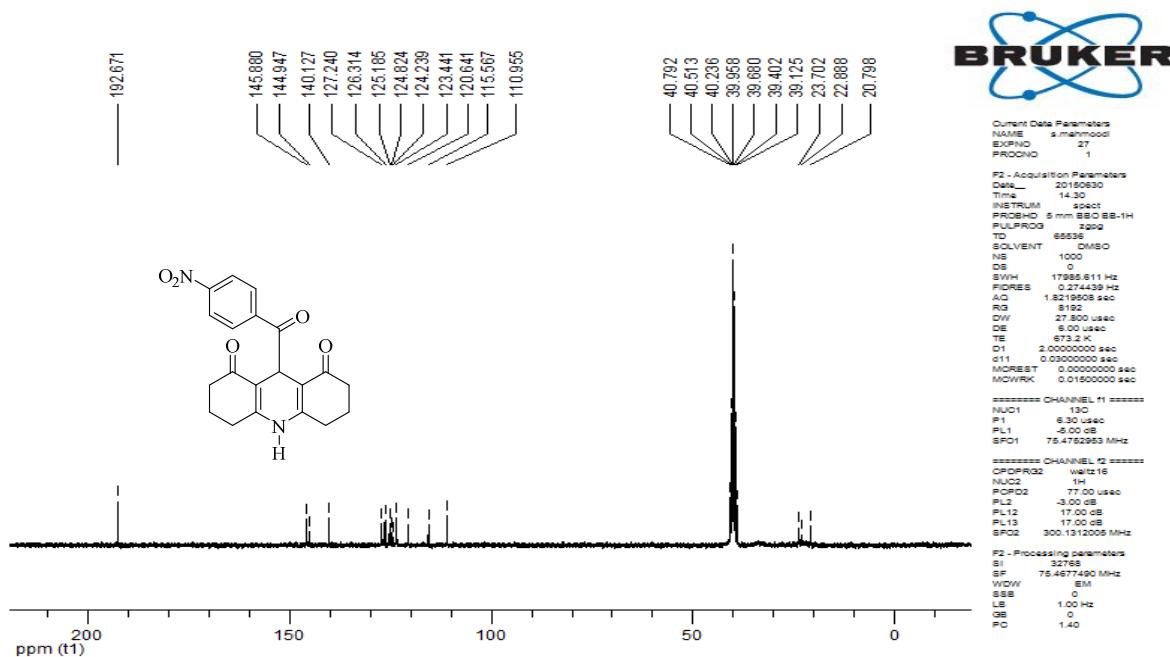


Figure S25. ^{13}C NMR spectrum (75.5 MHz, $\text{DMSO}-d_6$) of compound **4h**.**Figure S26 .** IR spectrum (KBr) of compound **4h**.