Supplementary Material

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

Ahmad Poursattar Marjani,* Jabbar Khalafy, and Sahar Mahmoodi

Department of Chemistry, Faculty of Science, Urmia University, Urmia 57154, Iran
E-mail: a.poursattar@gmail.com; a.poursattar@urmia.ac.ir

Table of Contents

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

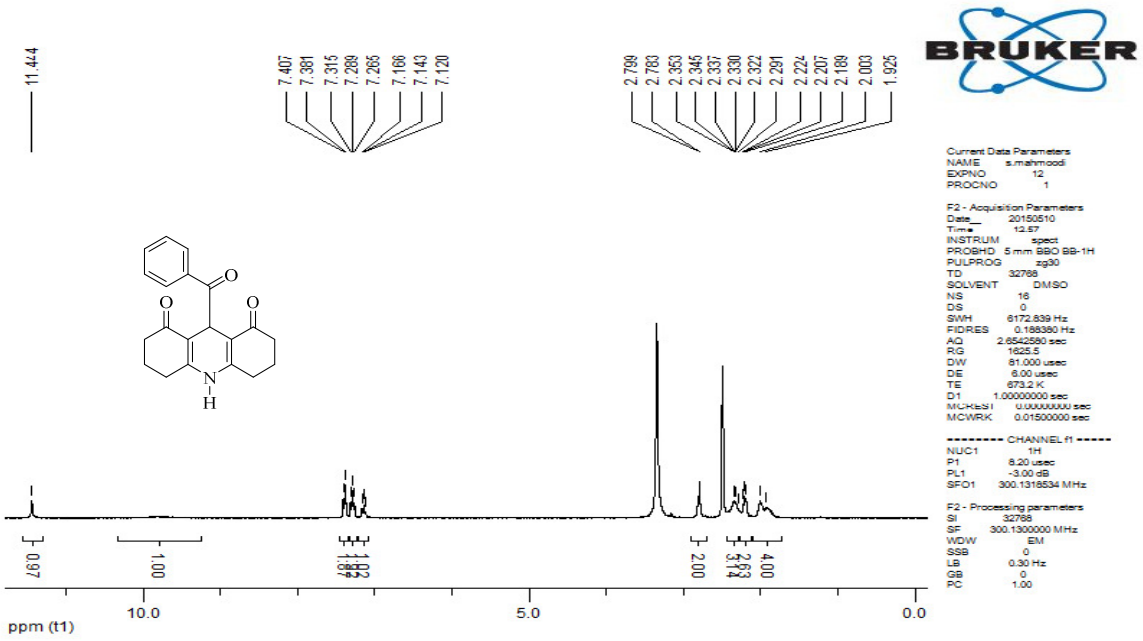

Figure S2. ^{13}C NMR spectrum (75.5 MHz, DMSO-d_6) of compound **4a**.

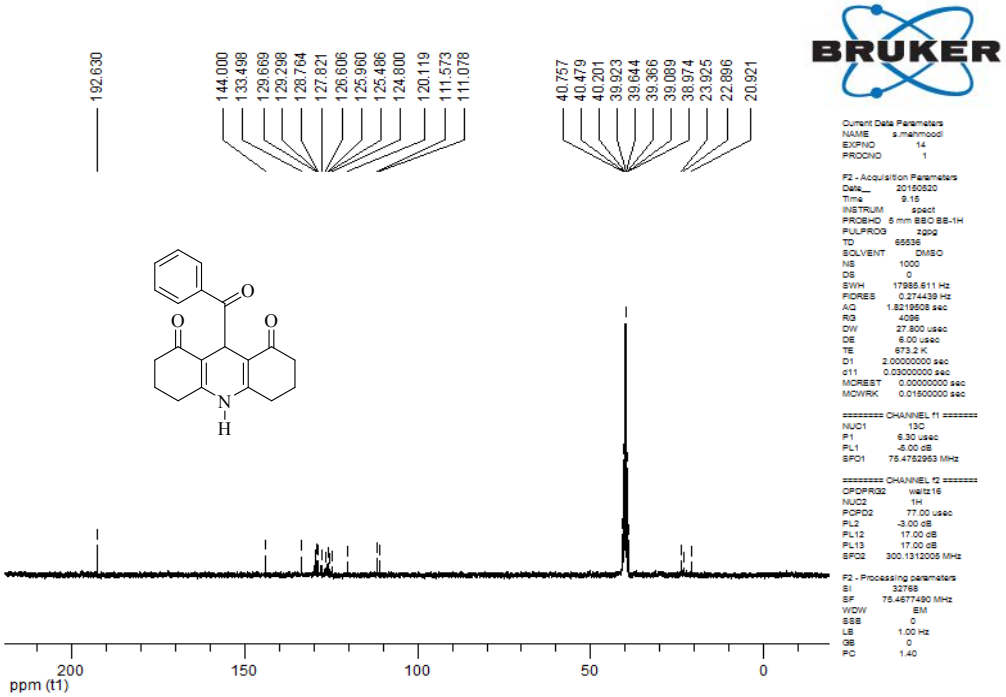

Figure S3. IR spectrum (KBr) of compound **4a**.

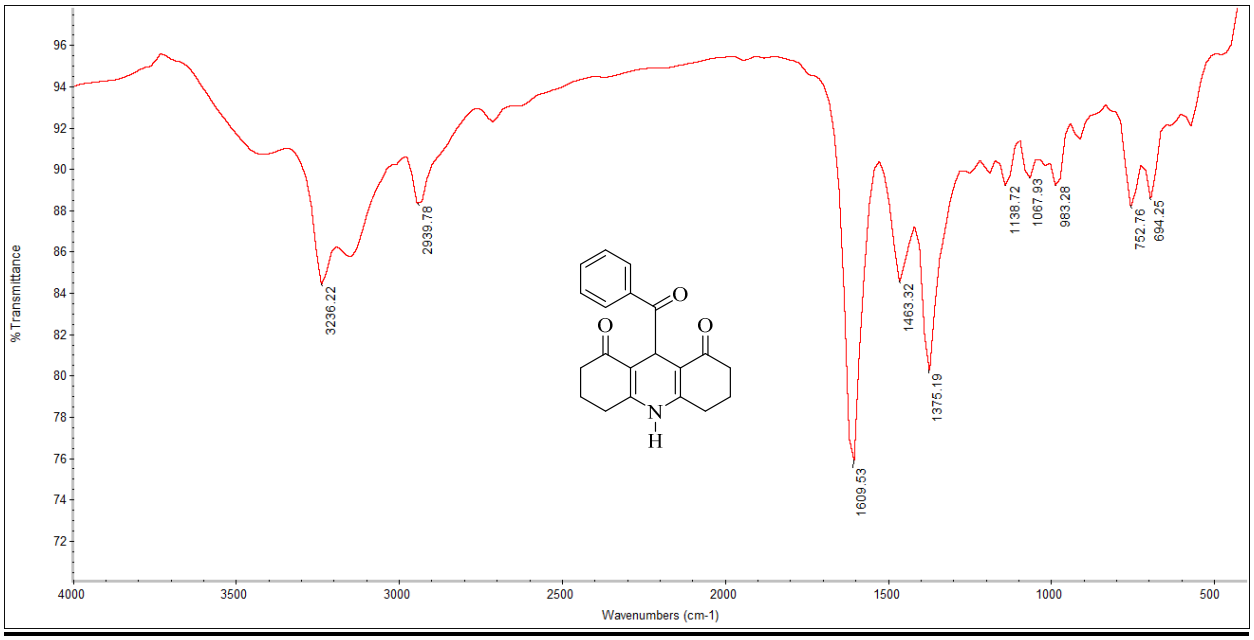

Figure S4. ^{1}H NMR spectrum (300 MHz, DMSO-d_6) of compound **4b**.

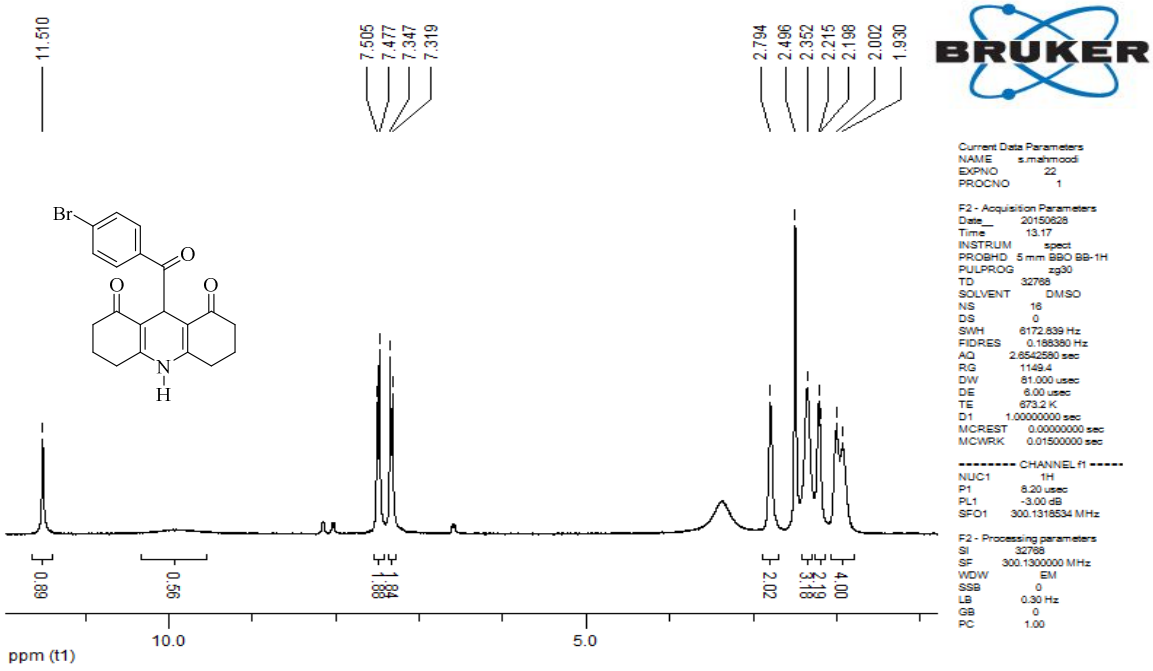

Figure S5. ^{13}C NMR spectrum (75.5 MHz, DMSO-d_6) of compound **4b**.

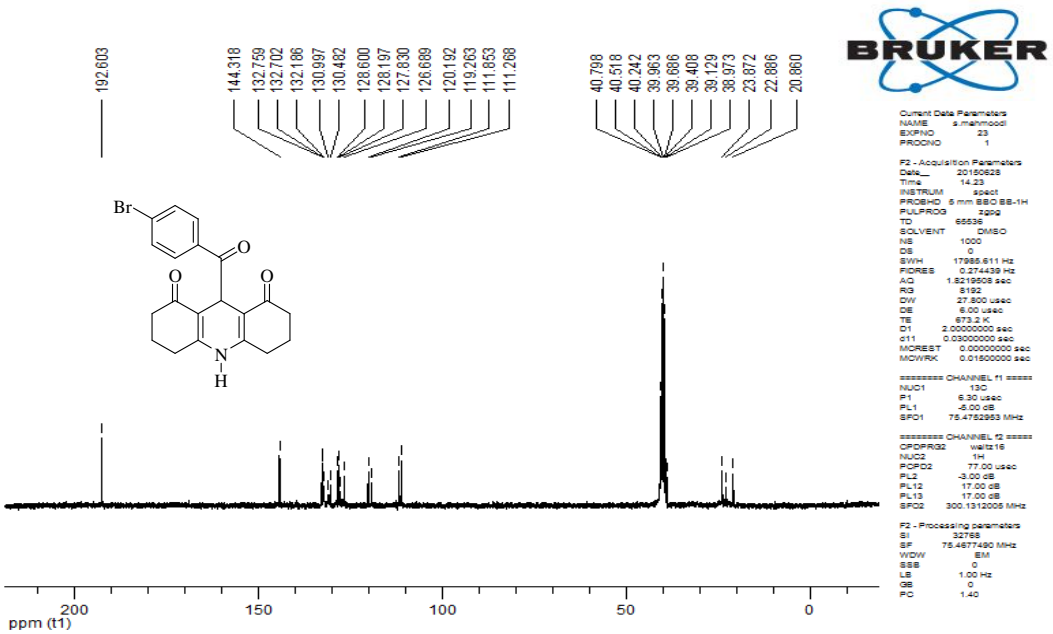

Figure S6. IR spectrum (KBr) of compound **4b**.

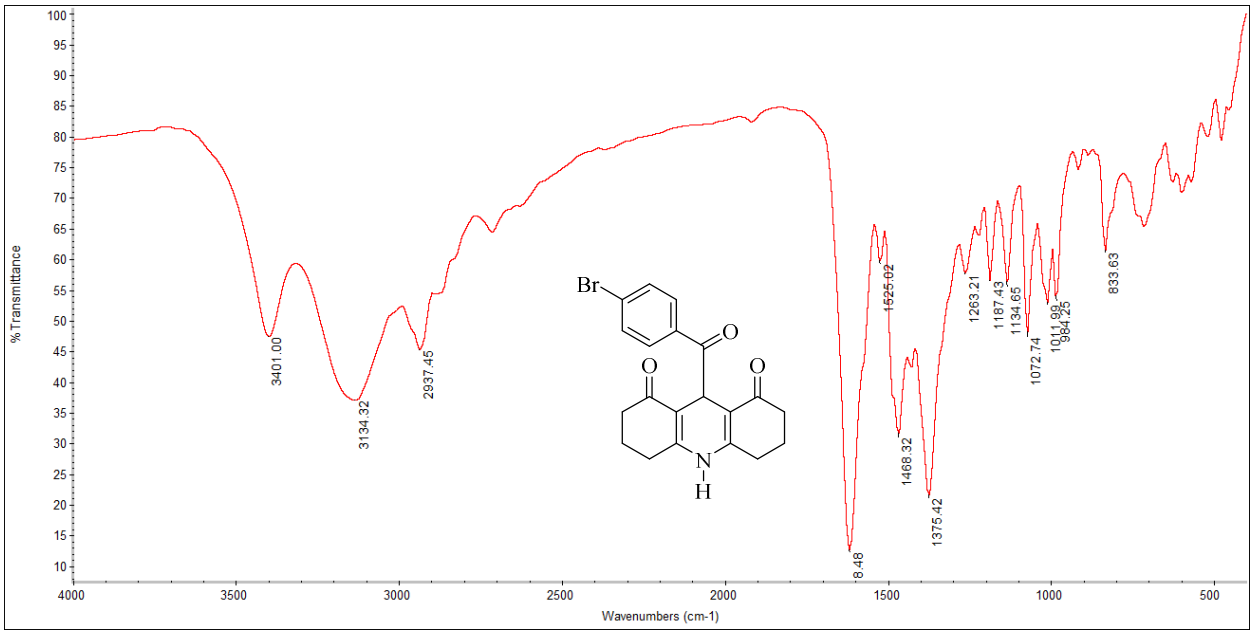

Figure S7. ^{1}H NMR spectrum (300 MHz, DMSO-d_6) of compound **4c**.

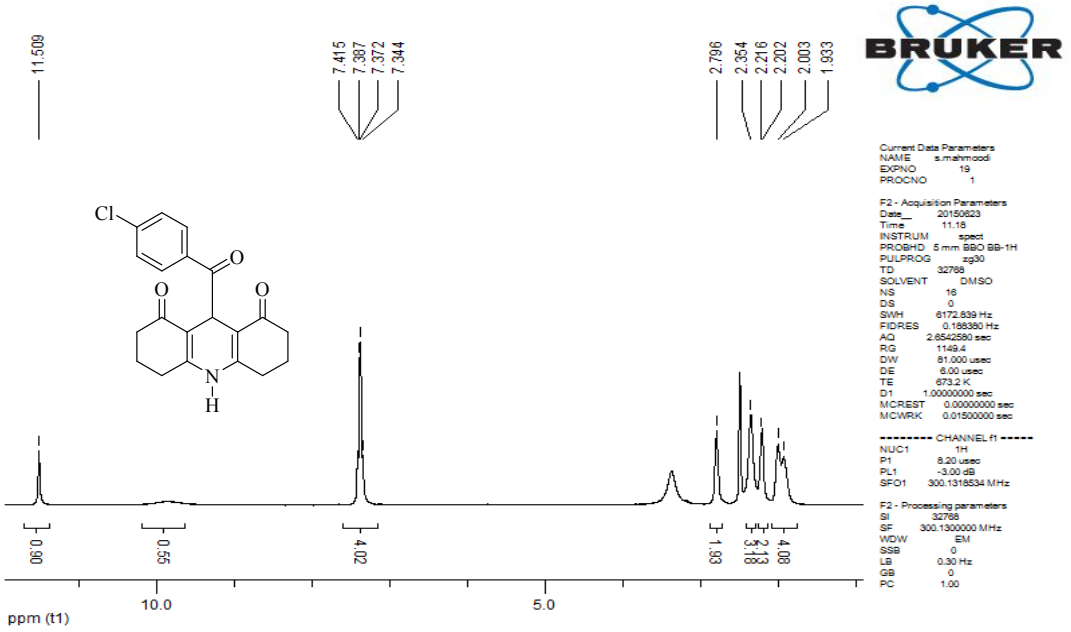

Figure S8. ^{13}C NMR spectrum (75.5 MHz, DMSO-d_6) of compound **4c**.

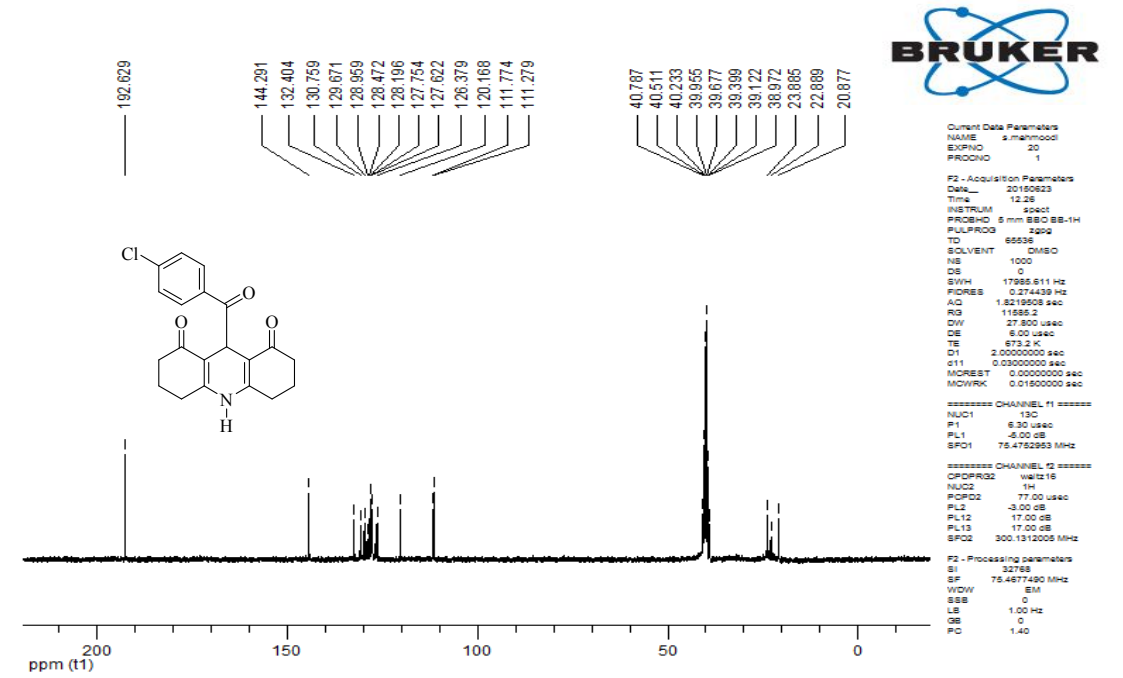

Figure S9. IR spectrum (KBr) of compound **4c**.

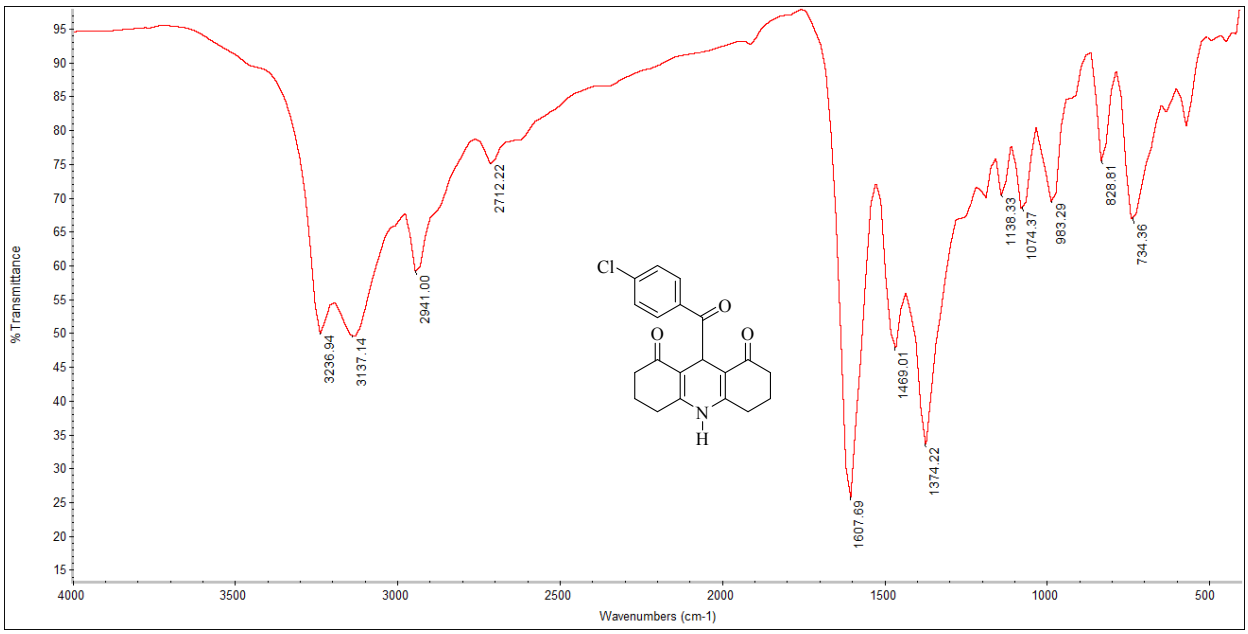

Figure S10. ^{1}H NMR spectrum (300 MHz, DMSO-d_6) of compound **4d**.

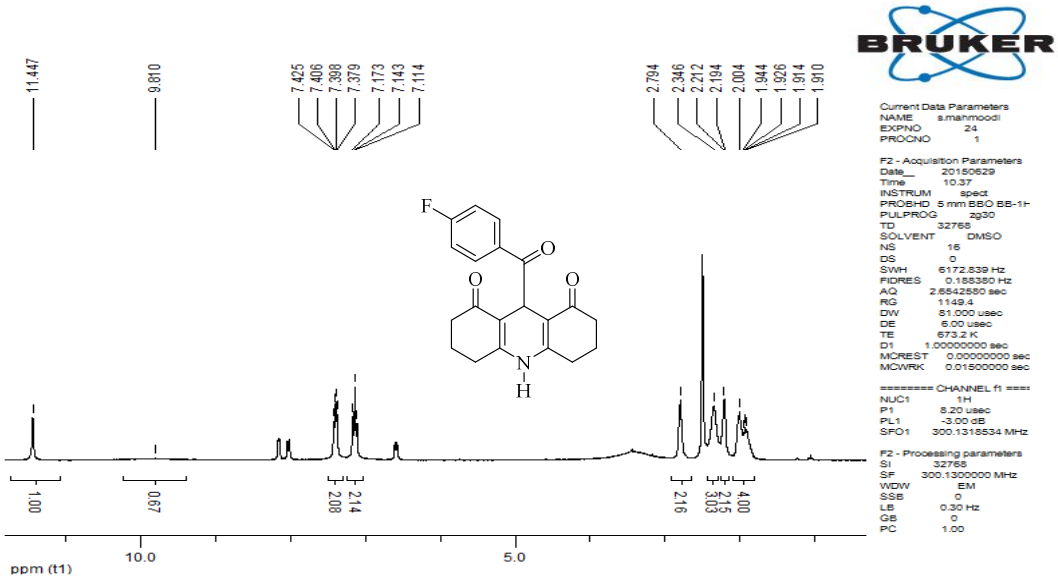

Figure S11. ^{13}C NMR spectrum (75.5 MHz, DMSO-d_6) of compound **4d**.

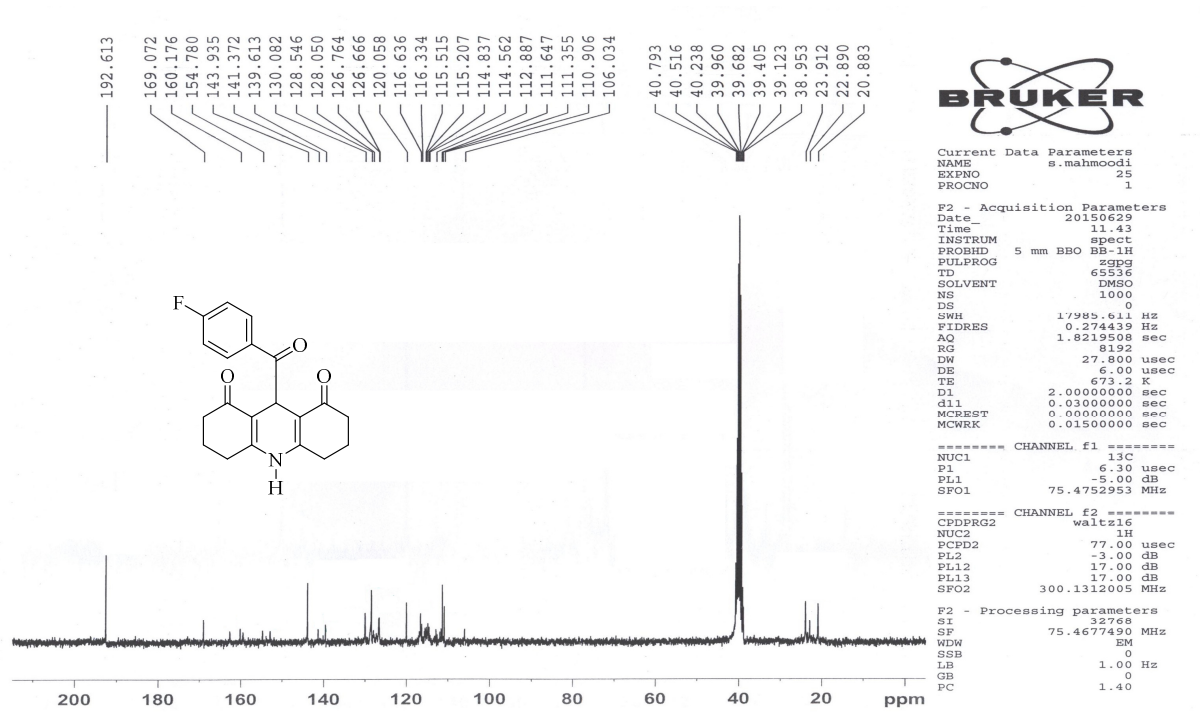

Figure S12. IR spectrum (KBr) of compound **4d**.

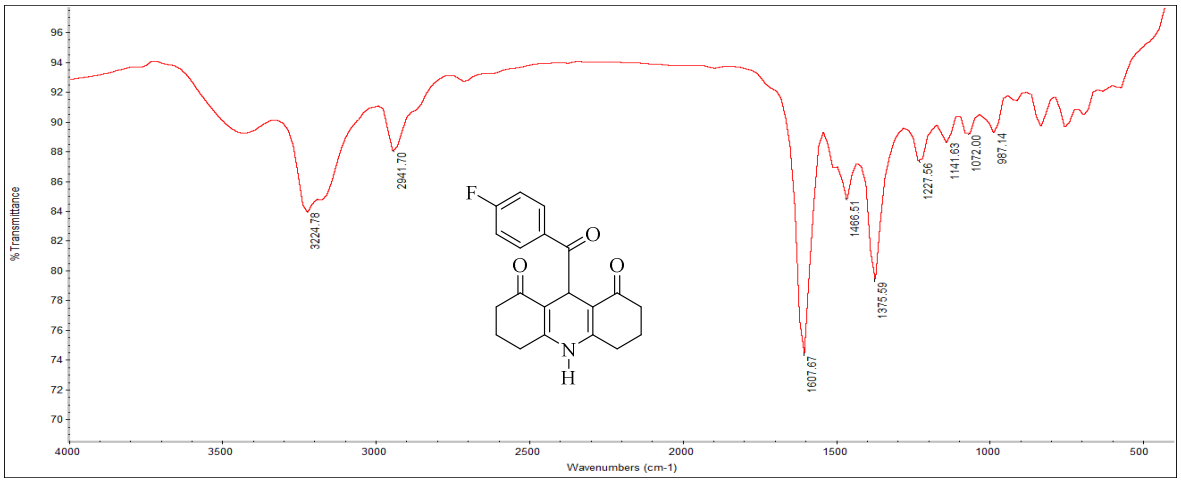

Figure S13. [1]H NMR spectrum (300 MHz, DMSO-d_6) of compound **4e**.

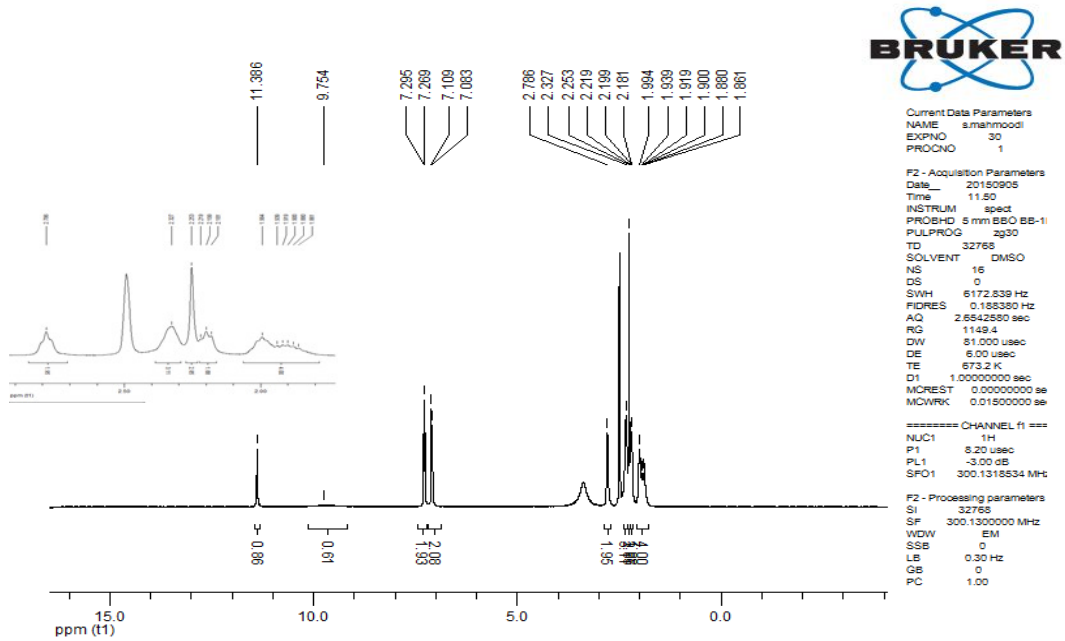

Figure S14. [13]C NMR spectrum (75.5 MHz, DMSO-d_6) of compound **4e**.

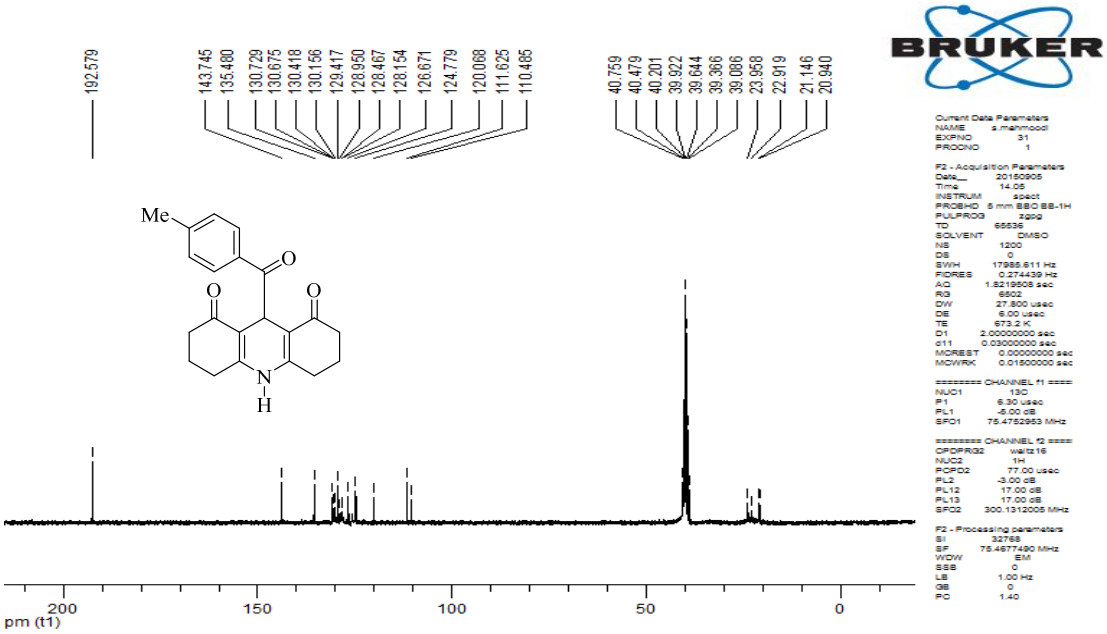

Figure S15. IR spectrum (KBr) of compound **4e**.

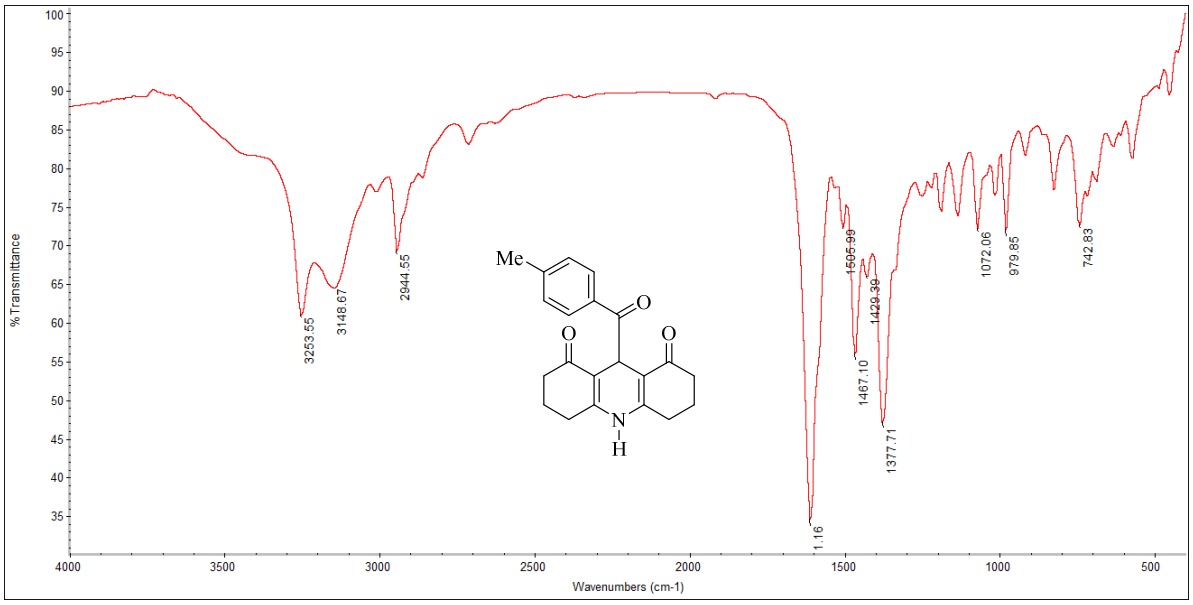

Figure S16. ^{1}H NMR spectrum (300 MHz, DMSO-d_6) of compound **4f**.

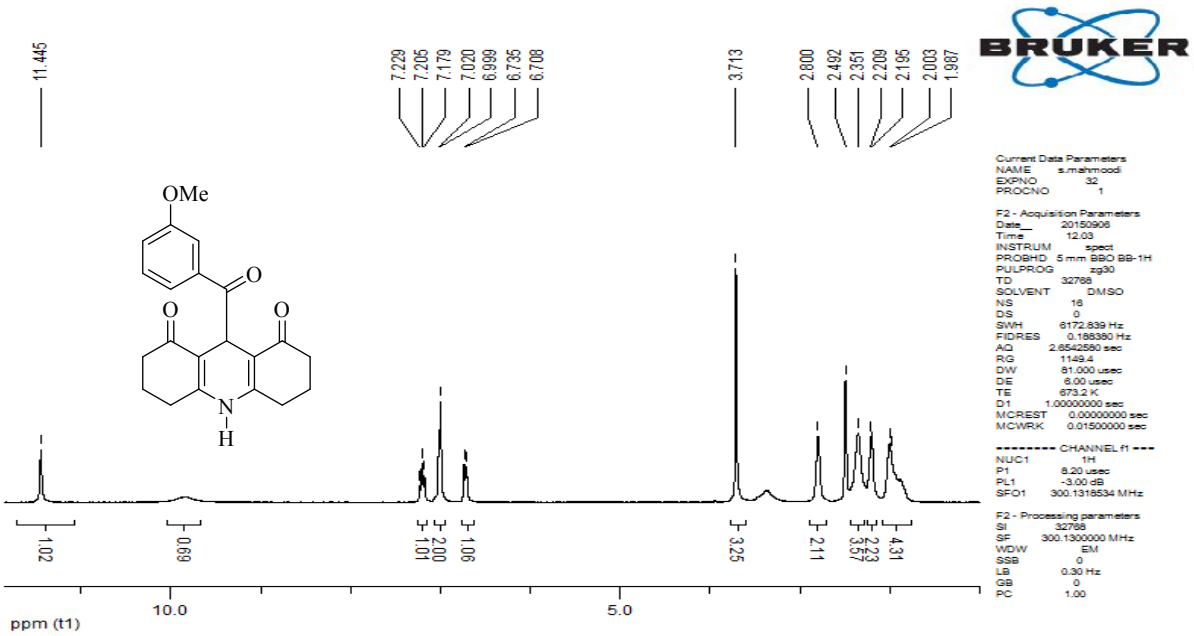

Figure S17. ^{13}C NMR spectrum (75.5 MHz, DMSO-d_6) of compound **4f**.

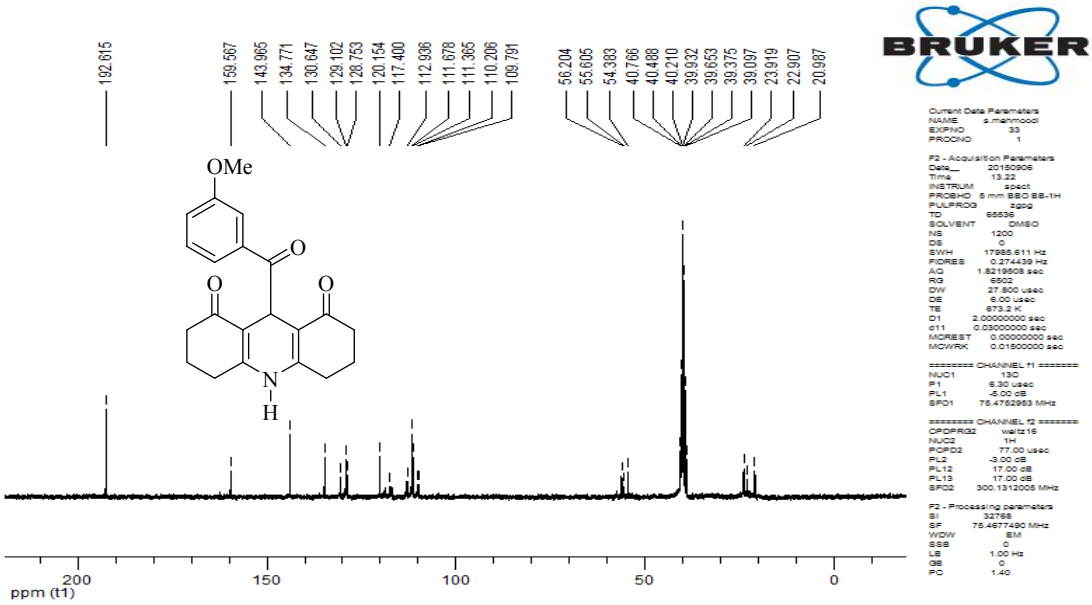

Figure S18. IR spectrum (KBr) of compound **4f**.

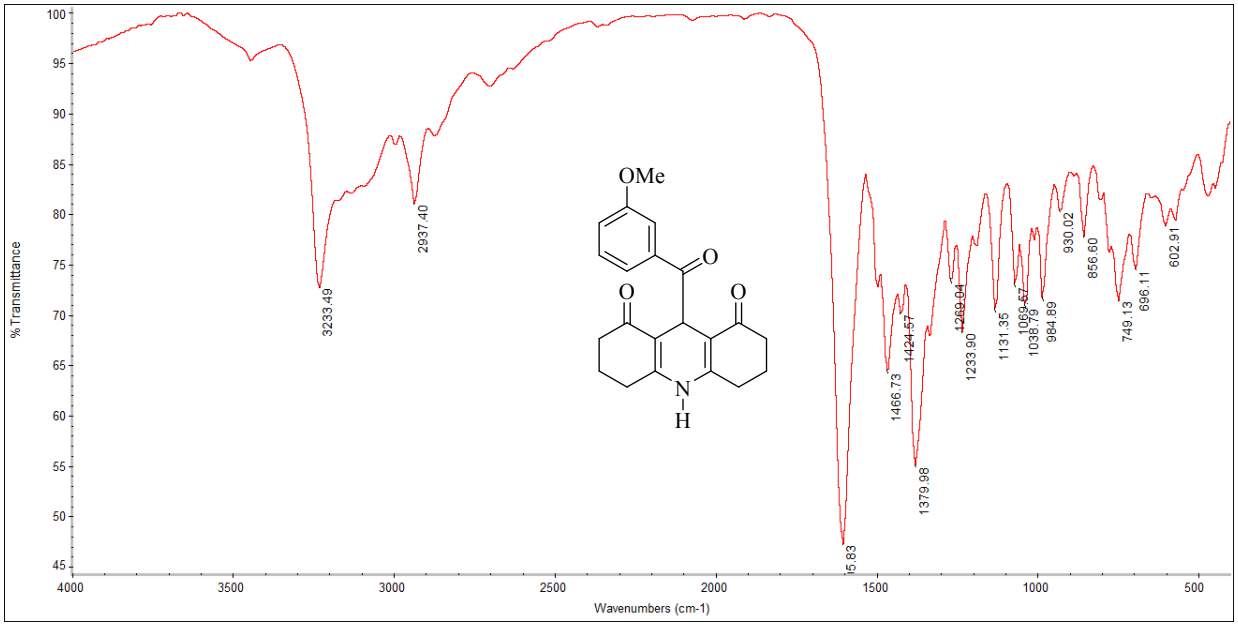

Figure S19. ^{1}H NMR spectrum (300 MHz, $CDCl_3$) of compound **4f**

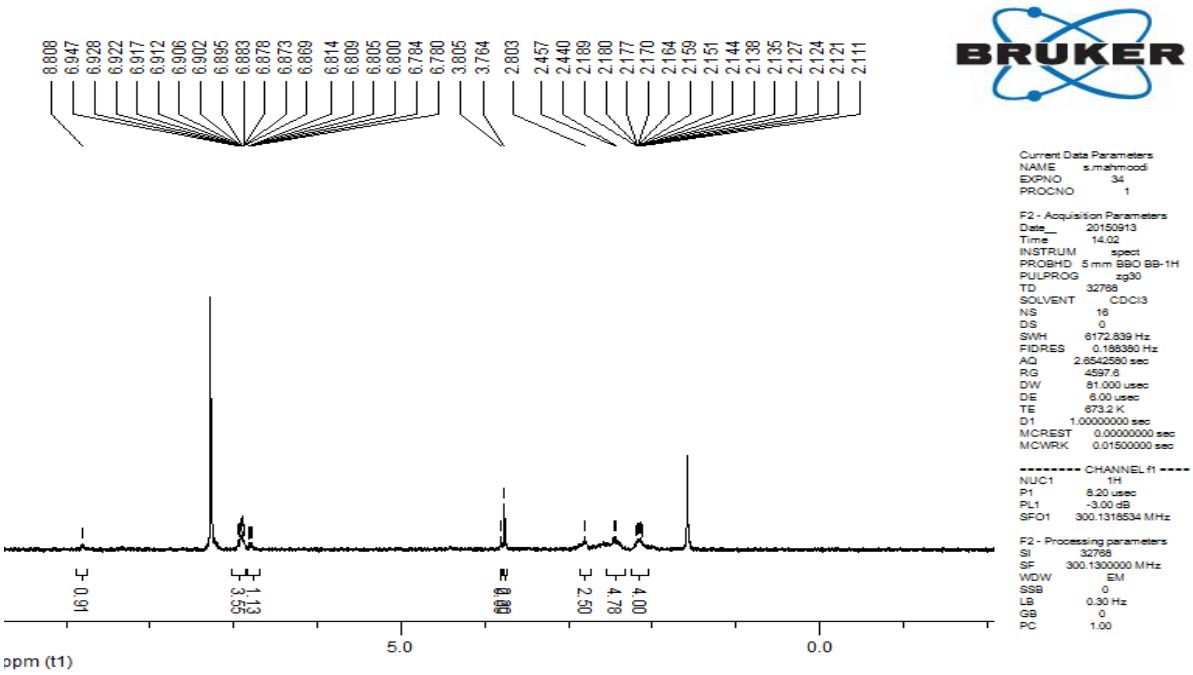

Figure S20. UV-Vis spectrum (Solvent : MeOH) of compound **4f**

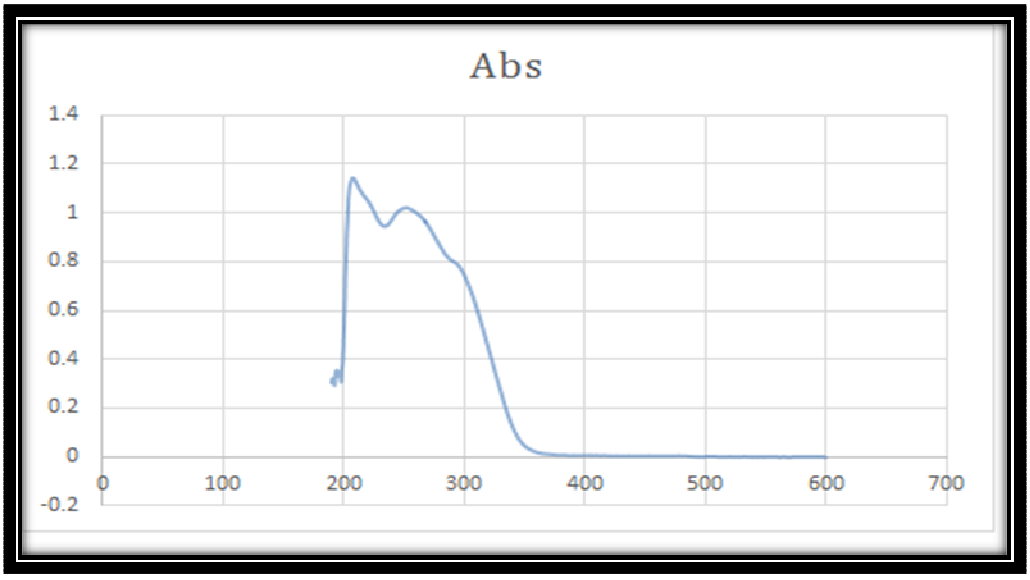

Figure S21. [1]H NMR spectrum (300 MHz, DMSO-d_6) of compound **4g**.

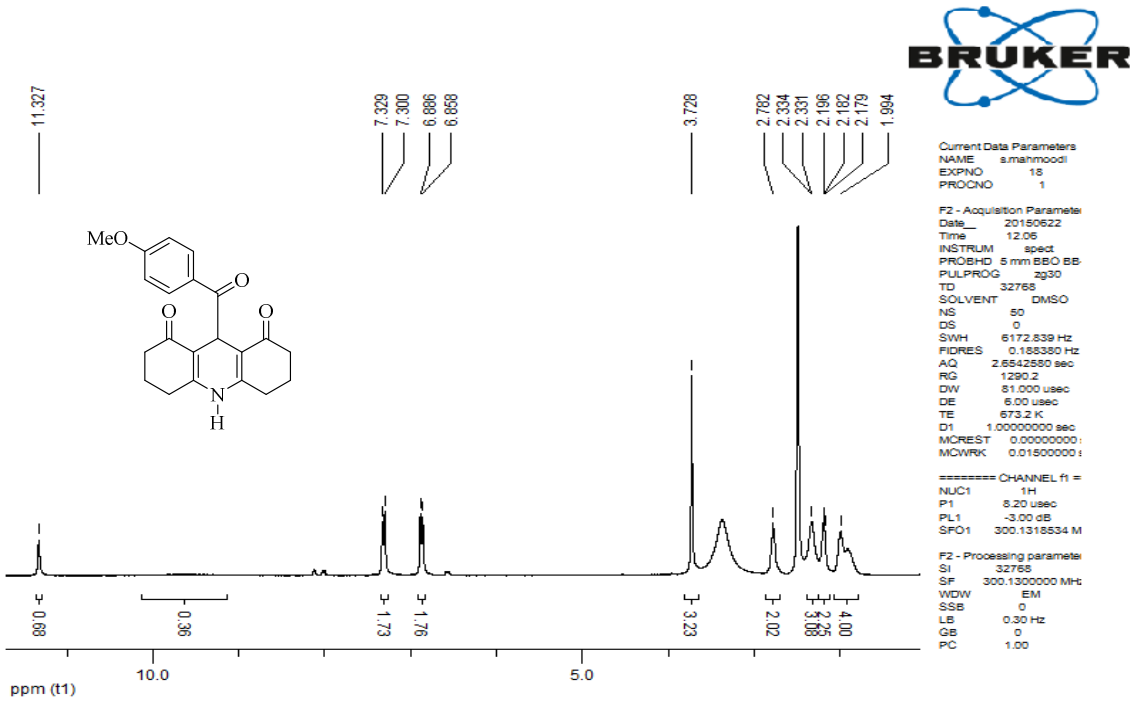

Figure S22. [13]C NMR spectrum (75.5 MHz, DMSO-d_6) of compound **4g**.

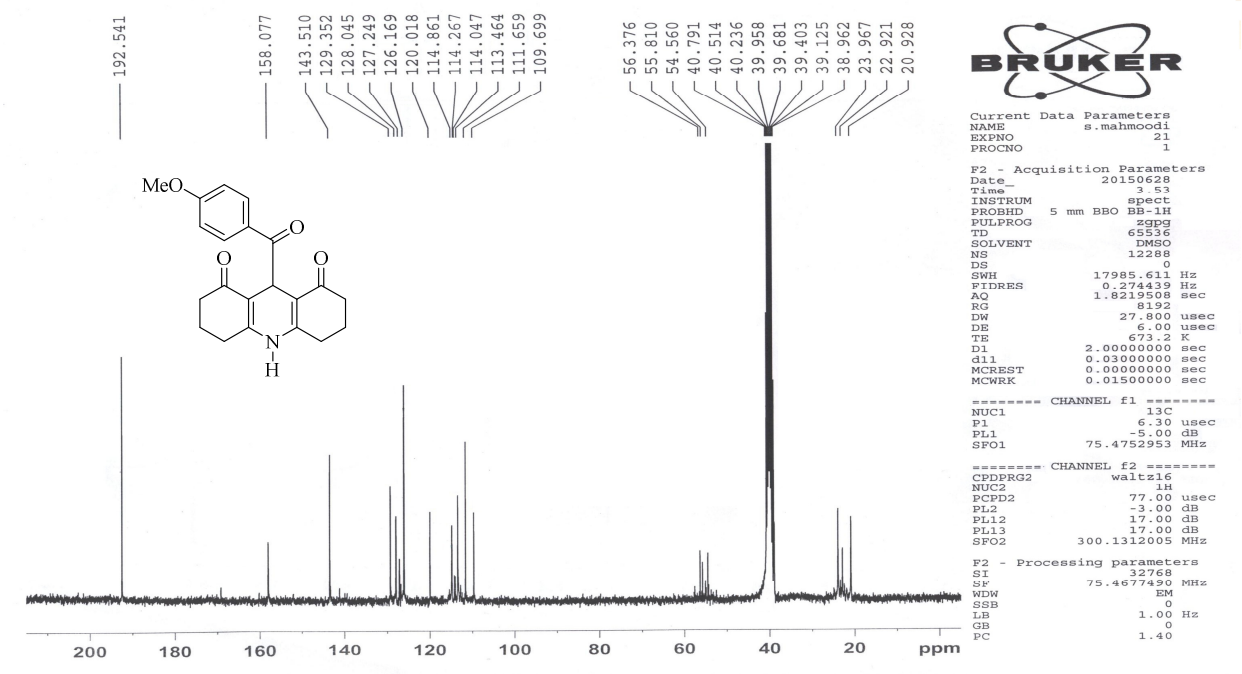

Figure S23. IR spectrum (KBr) of compound **4g**.

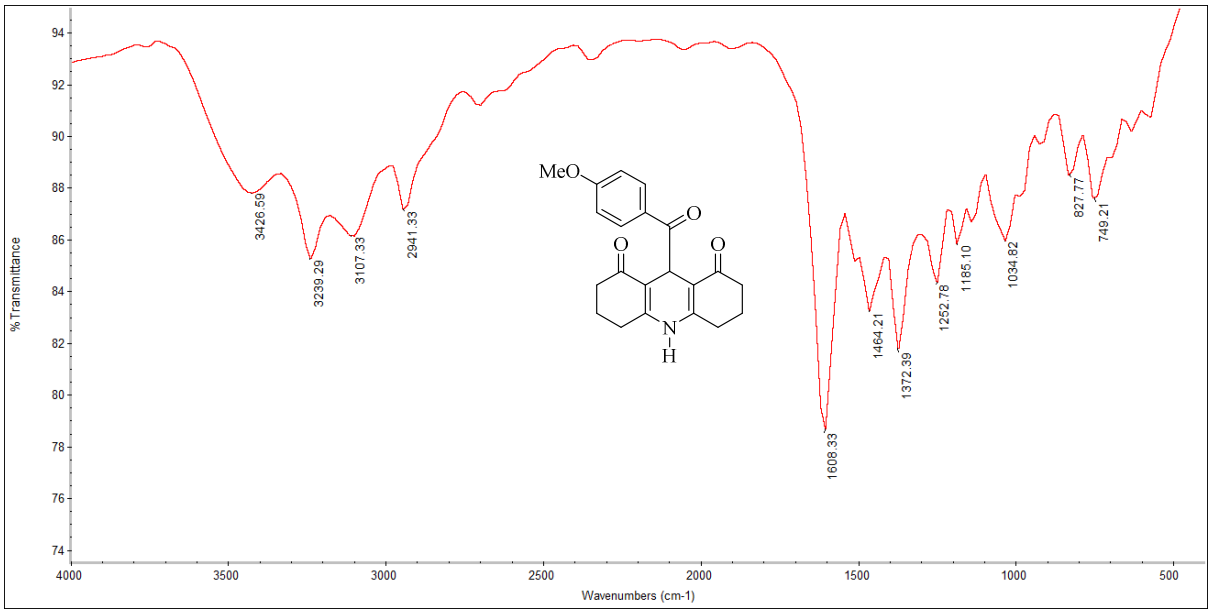

Figure S24. ^{1}H NMR spectrum (300 MHz, DMSO-d_6) of compound **4h**.

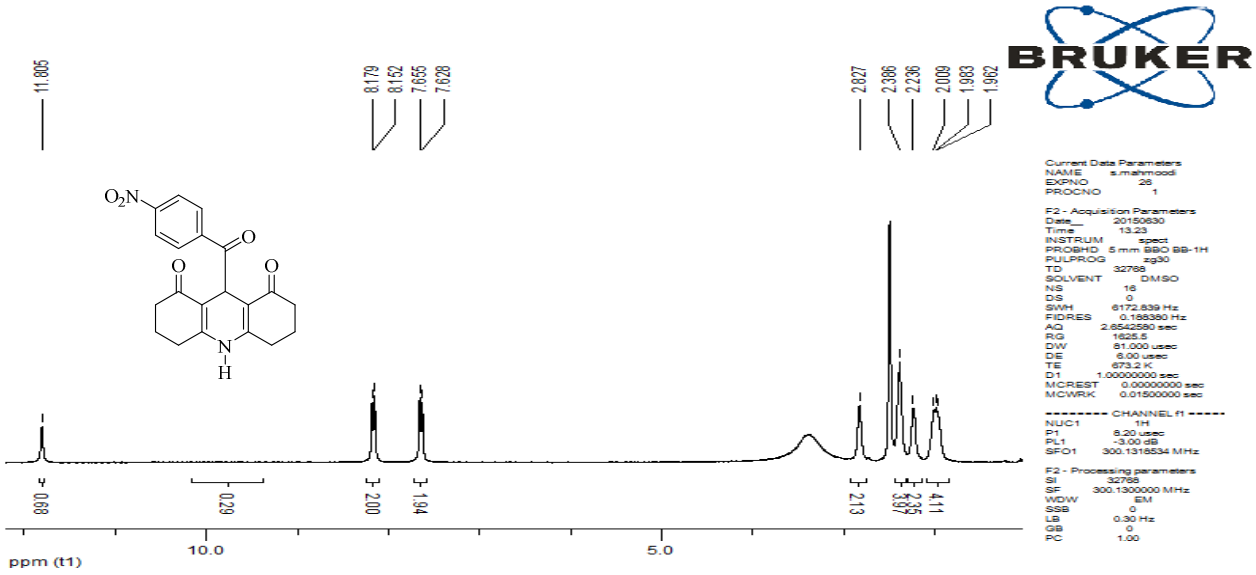

Figure S25. ^{13}C NMR spectrum (75.5 MHz, DMSO-d_6) of compound **4h**.

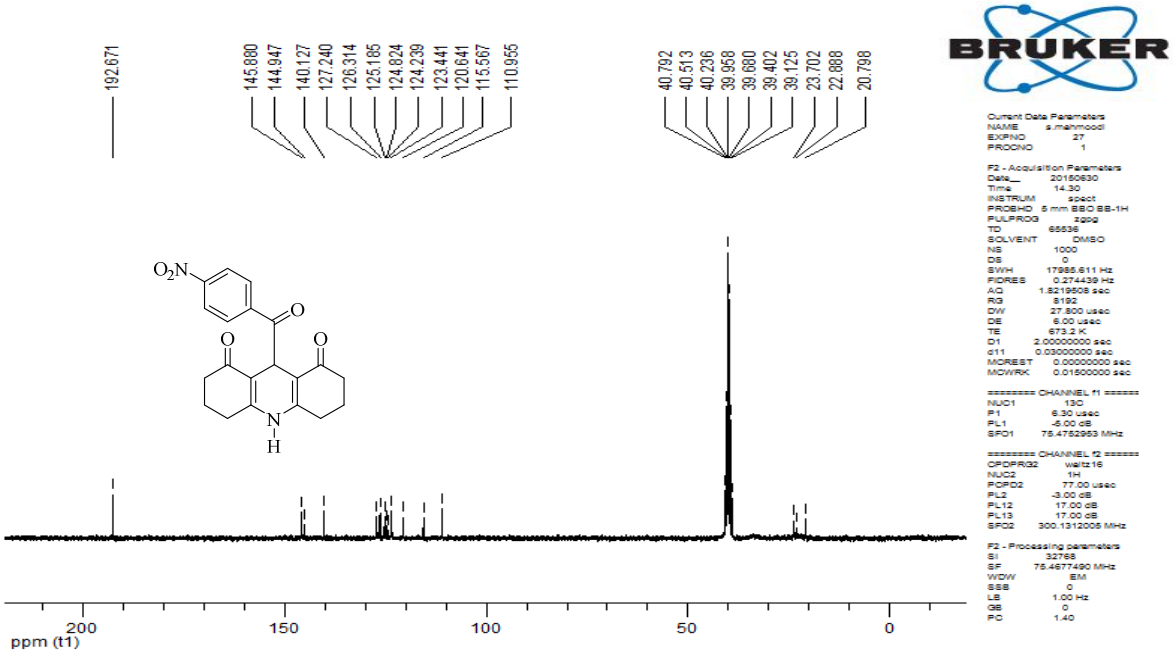

Figure S26 . IR spectrum (KBr) of compound **4h**.