

One-pot three-component domino protocol for the synthesis of novel pyrano[2,3-*d*]pyrimidines as antimicrobial and anti-biofilm agents

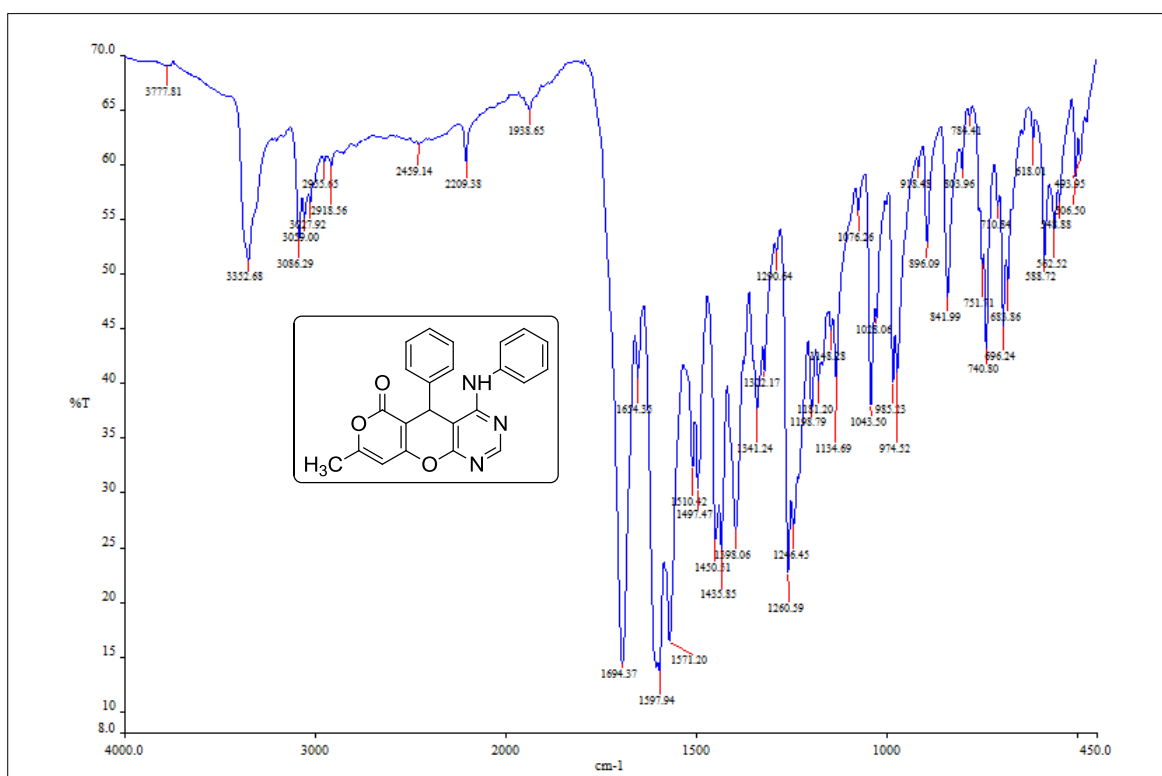
Lingala Suresh^a, Y. Poornachandra^b, S. Kanakaraju^a, G. V. P. Chandramouli^{a,*} and C. Ganesh Kumar^b

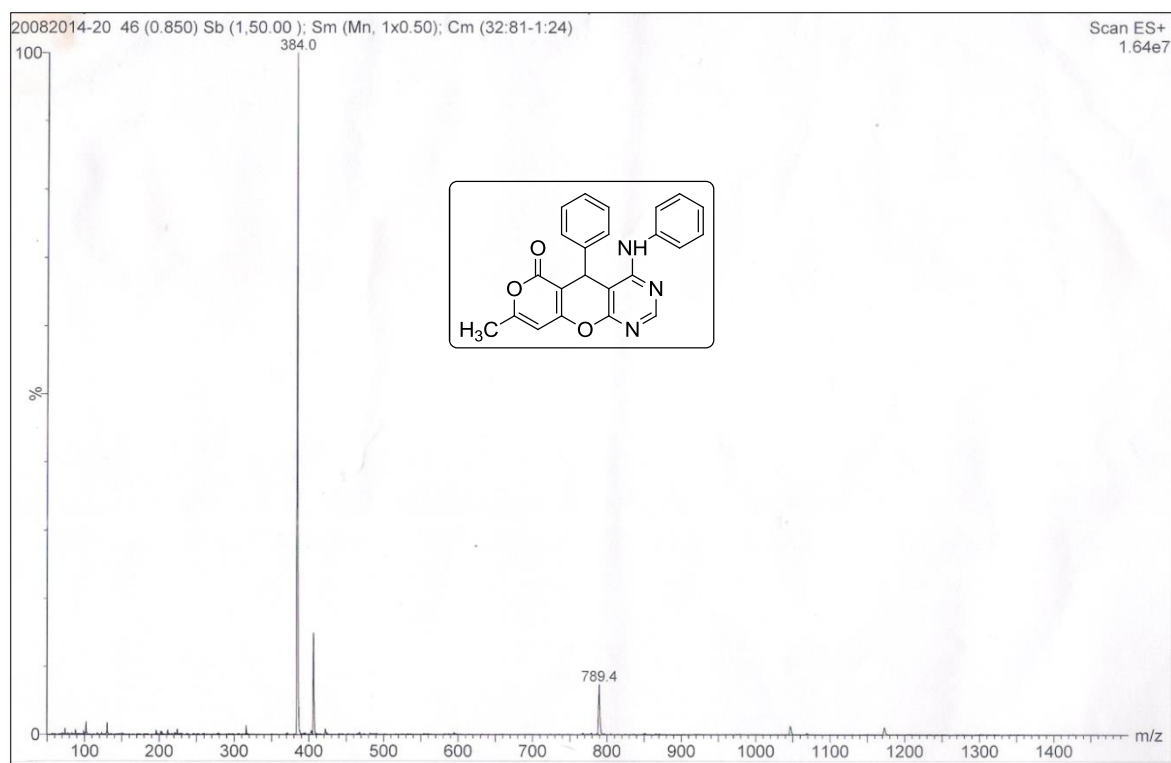
^a Department of Chemistry, National Institute of Technology, Warangal 506 004, Telangana, India.

^b Medicinal Chemistry and Pharmacology Division, CSIR-Indian Institute of Chemical Technology,
Uppal Road, Hyderabad 500 007, Telangana, India

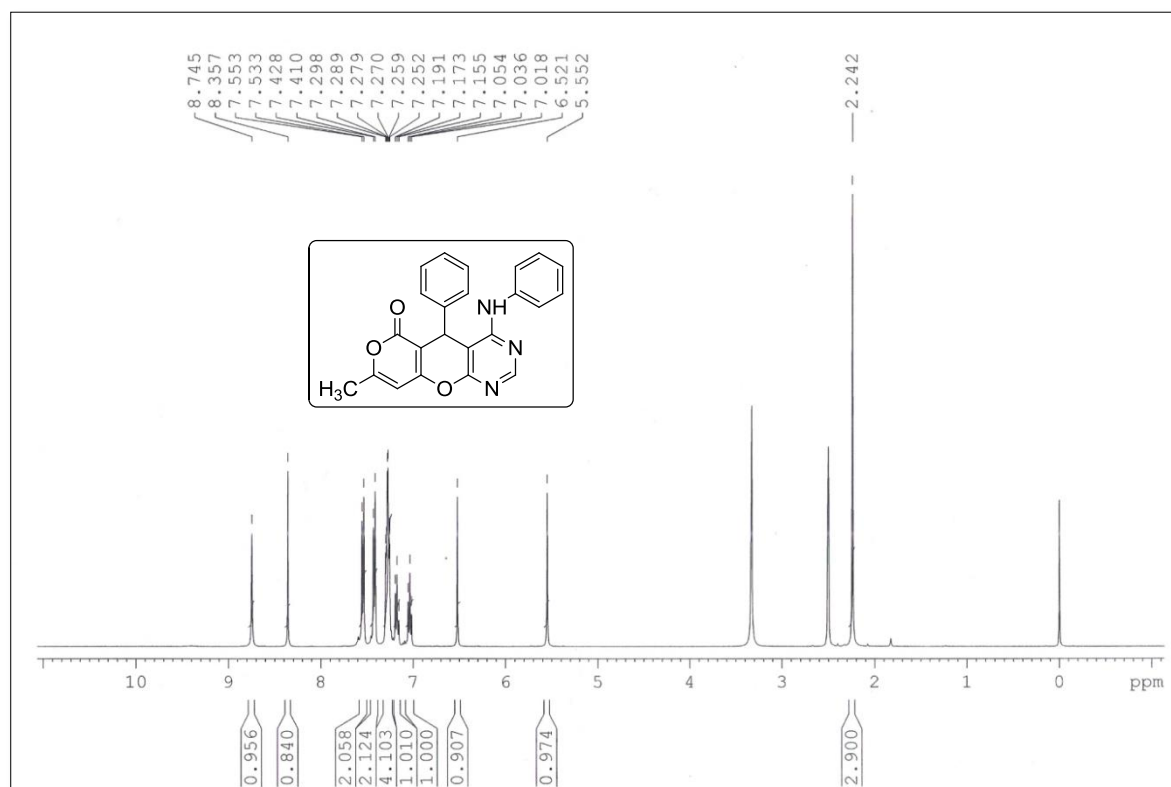
*E-mail: gvpc2000@gmail.com

SOME SELECTED SPECTRA (Supplementary information)

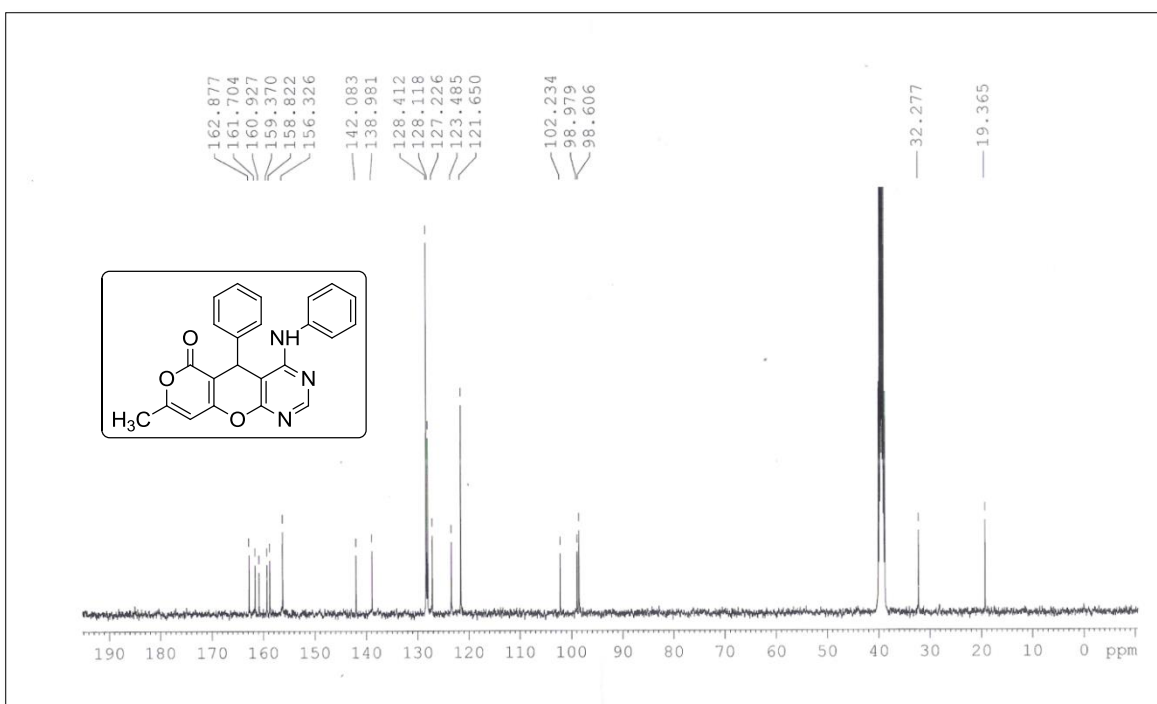




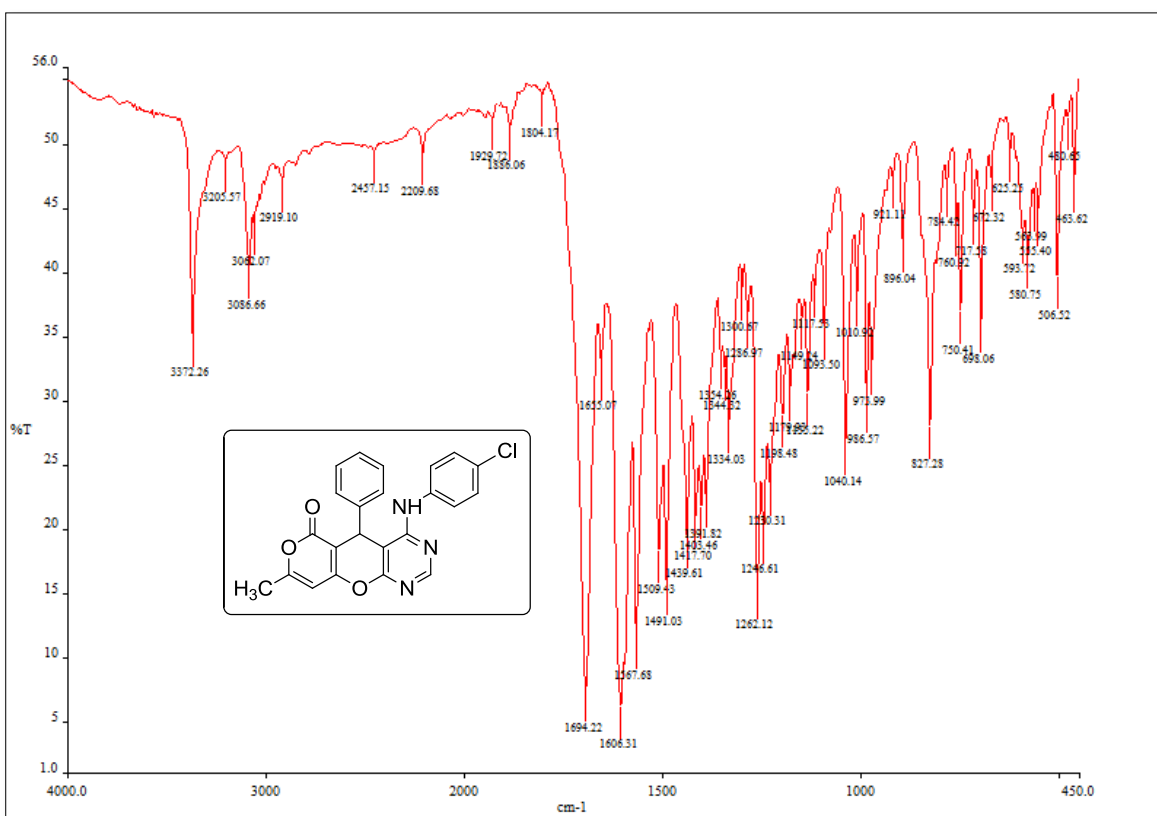
Mass Spectrum of compound **4a**



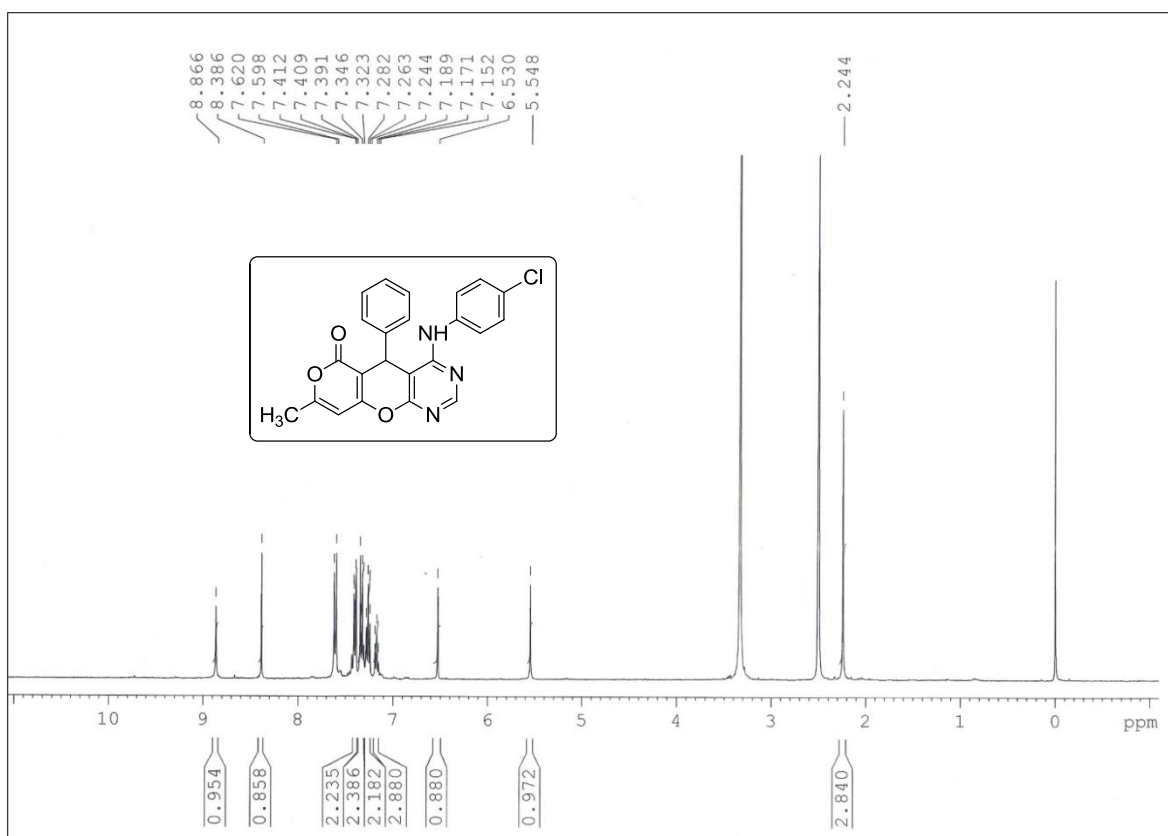
¹H NMR Spectrum of compound **4a**



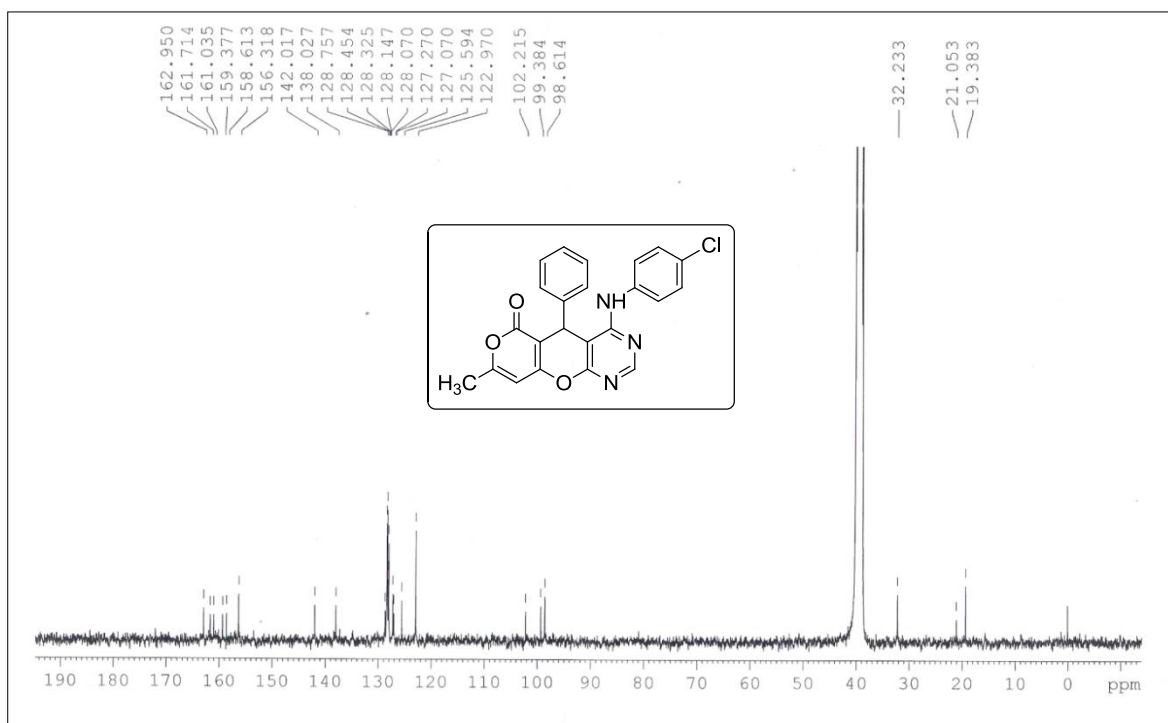
¹³C NMR Spectrum of compound **4a**



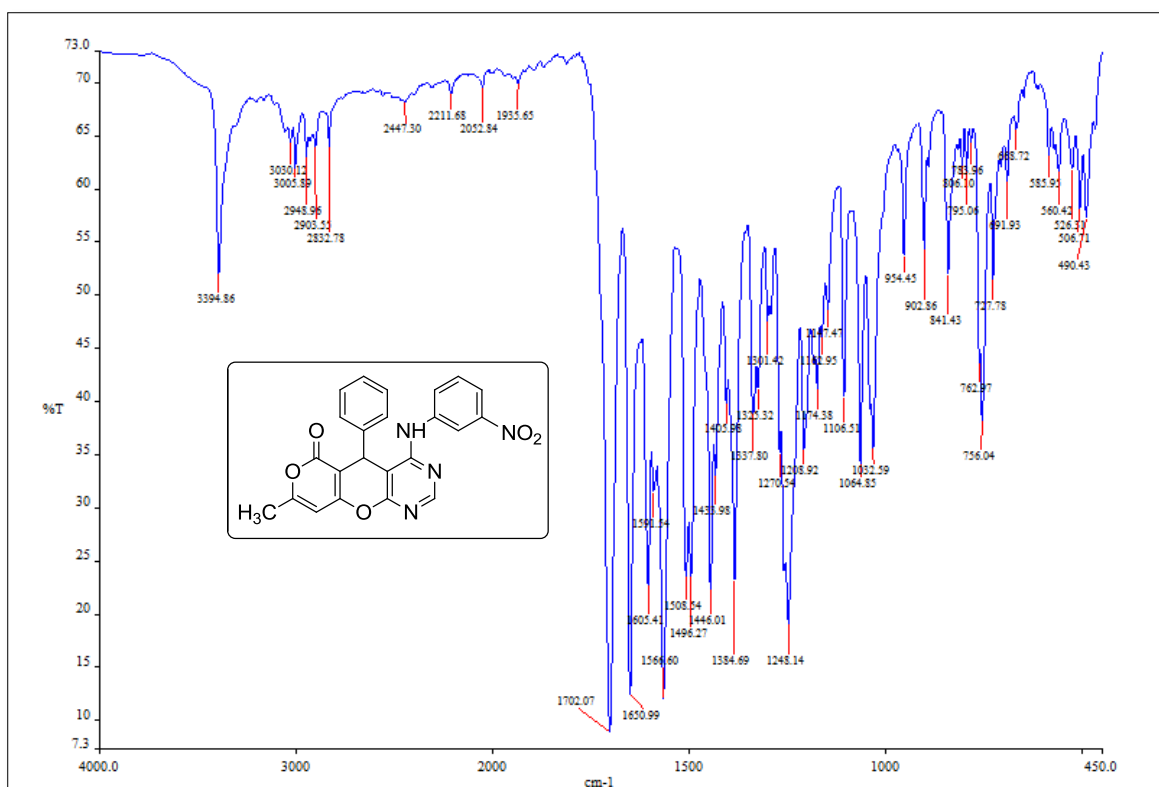
IR Spectrum of compound **4b**



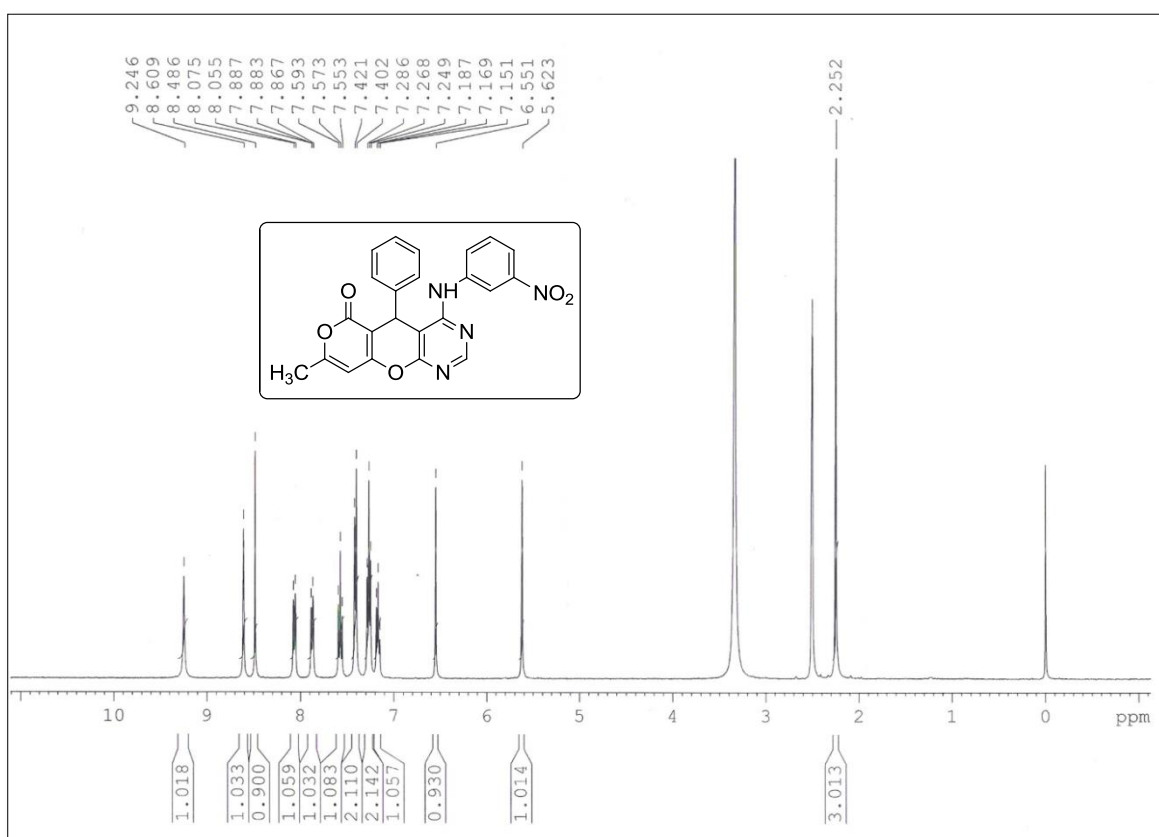
¹H NMR Spectrum of compound **4b**



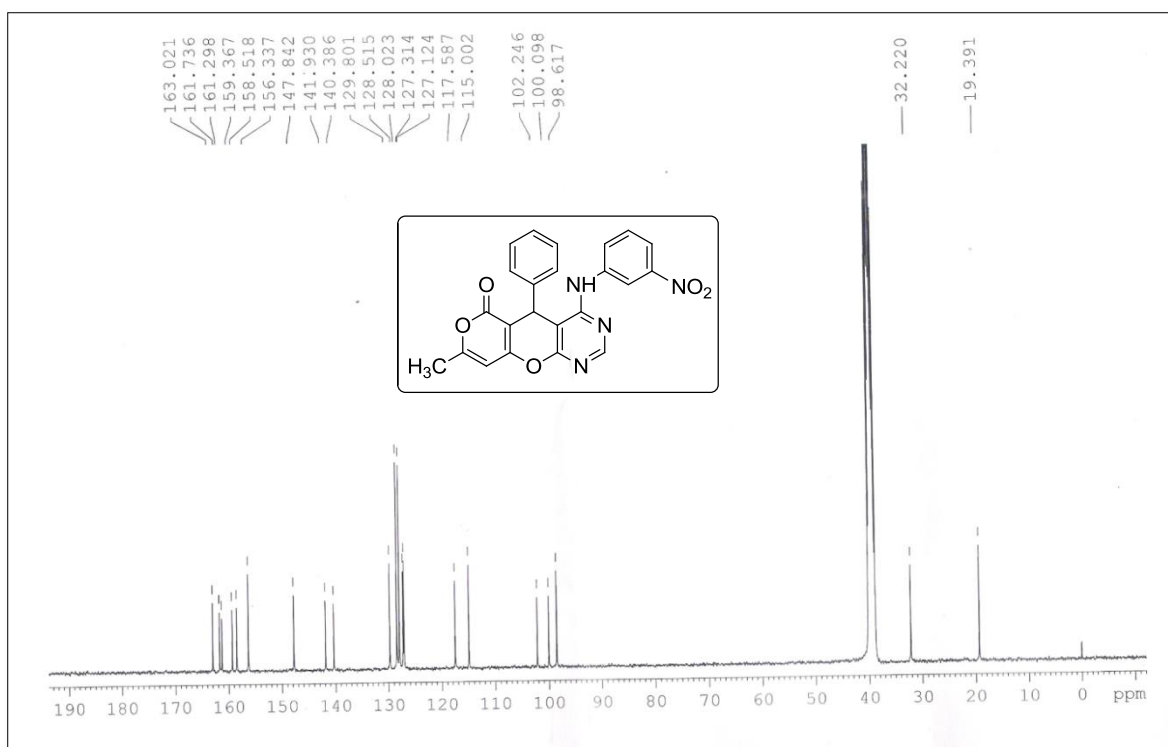
¹³C NMR Spectrum of compound **4b**



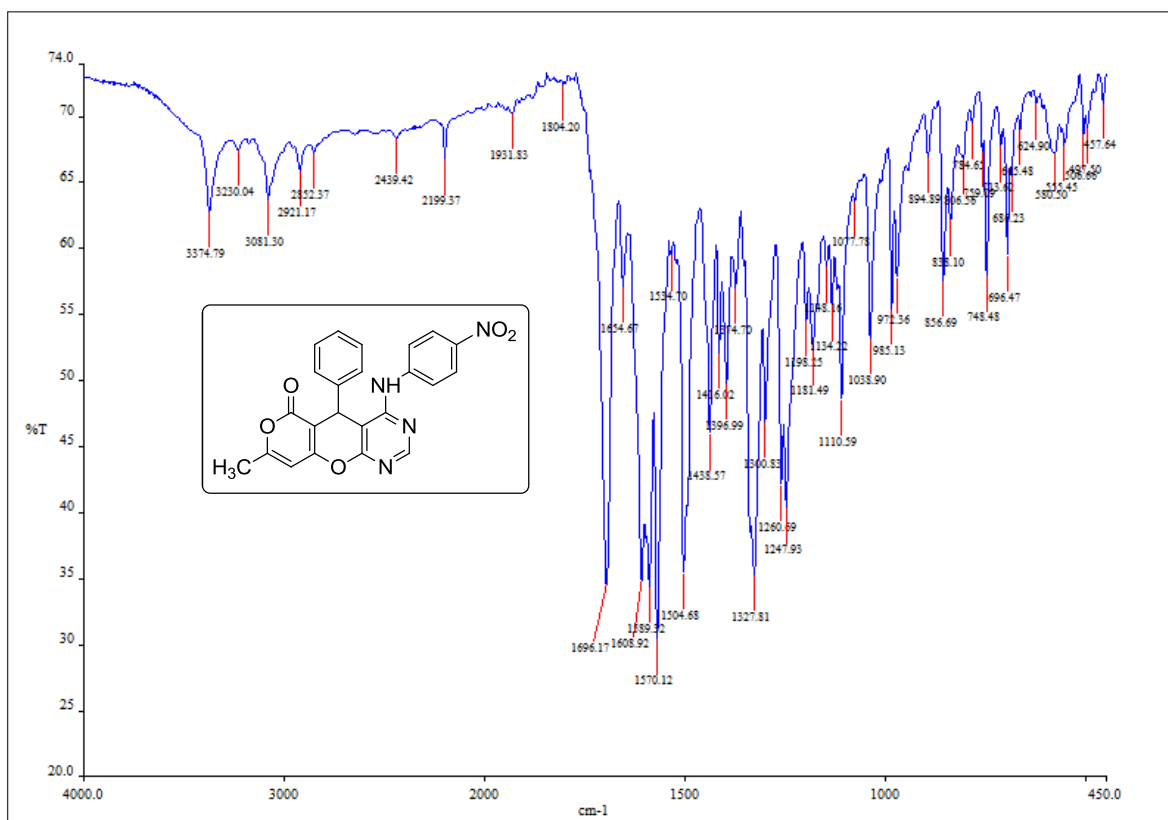
IR Spectrum of compound **4c**



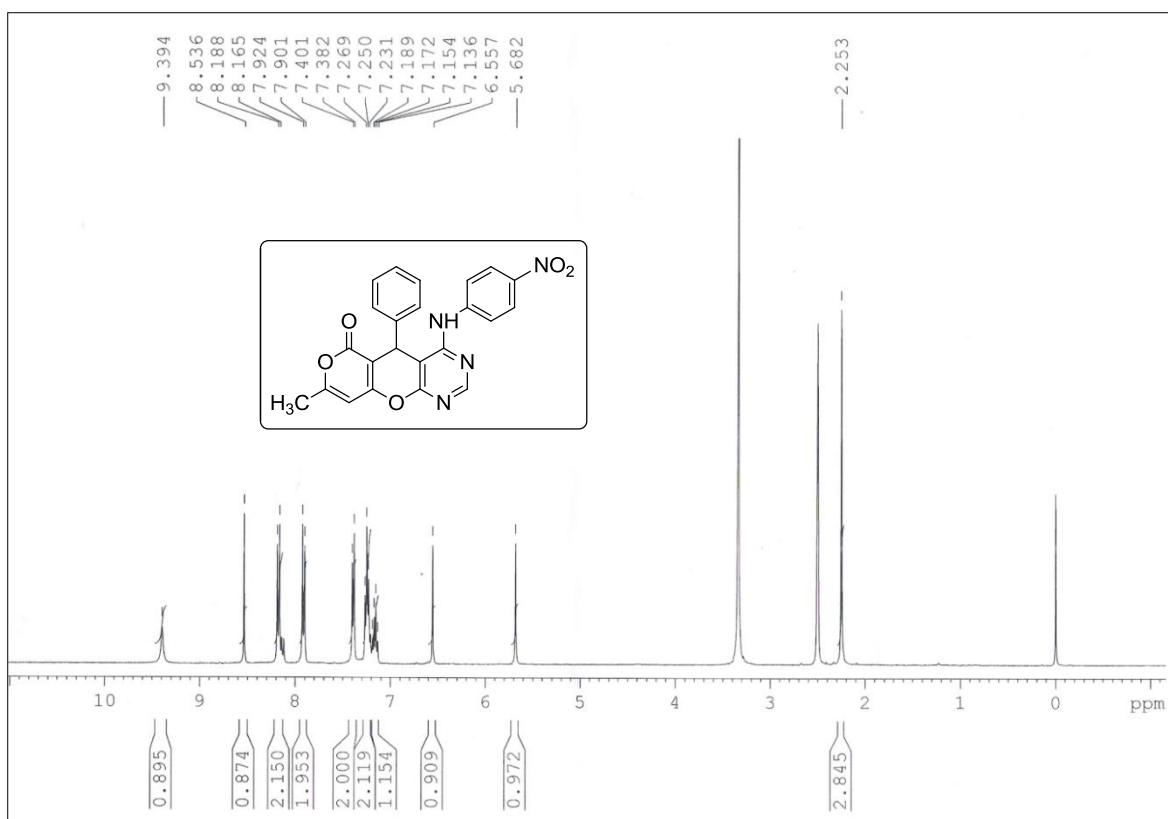
^1H NMR Spectrum of compound **4c**



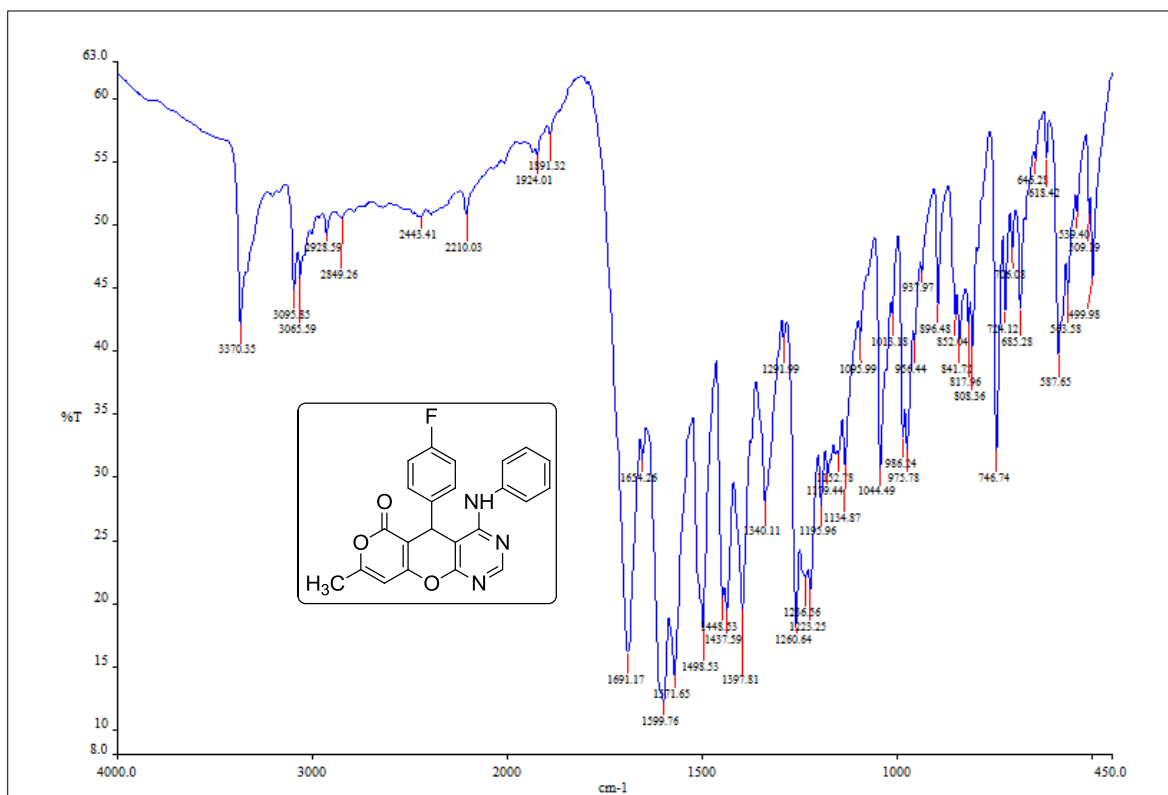
¹³C NMR Spectrum of compound **4c**



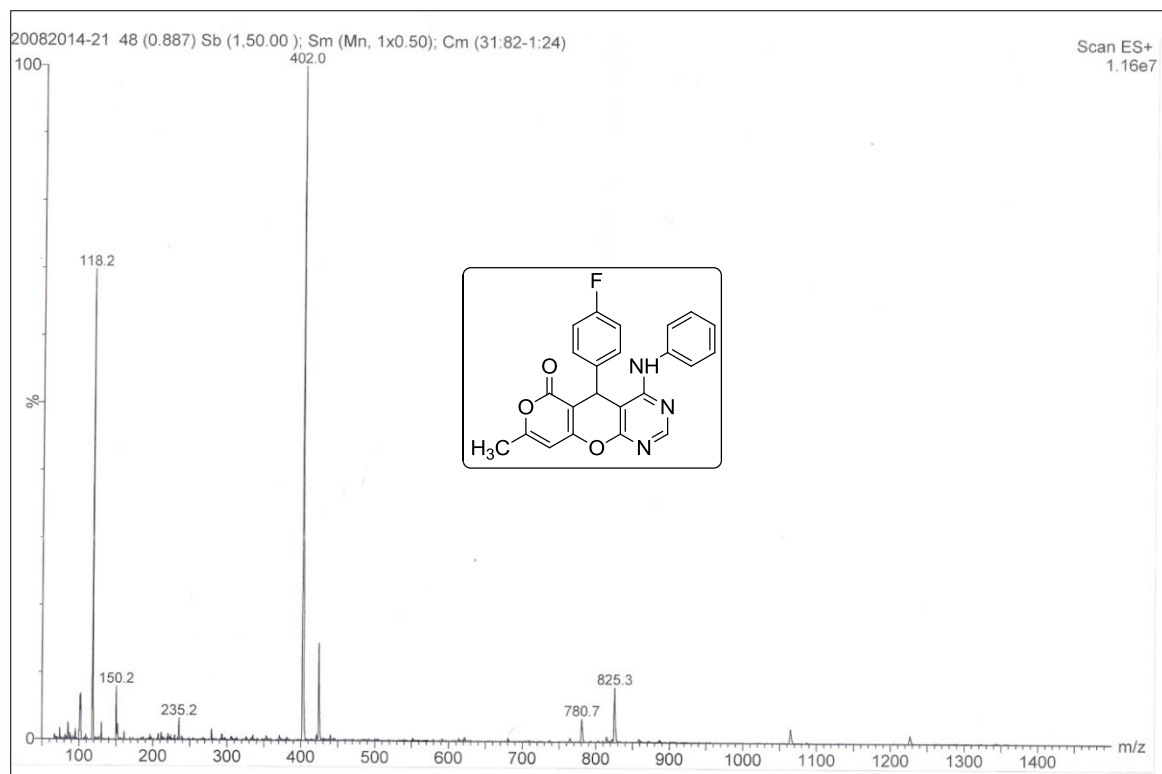
IR Spectrum of compound **4d**



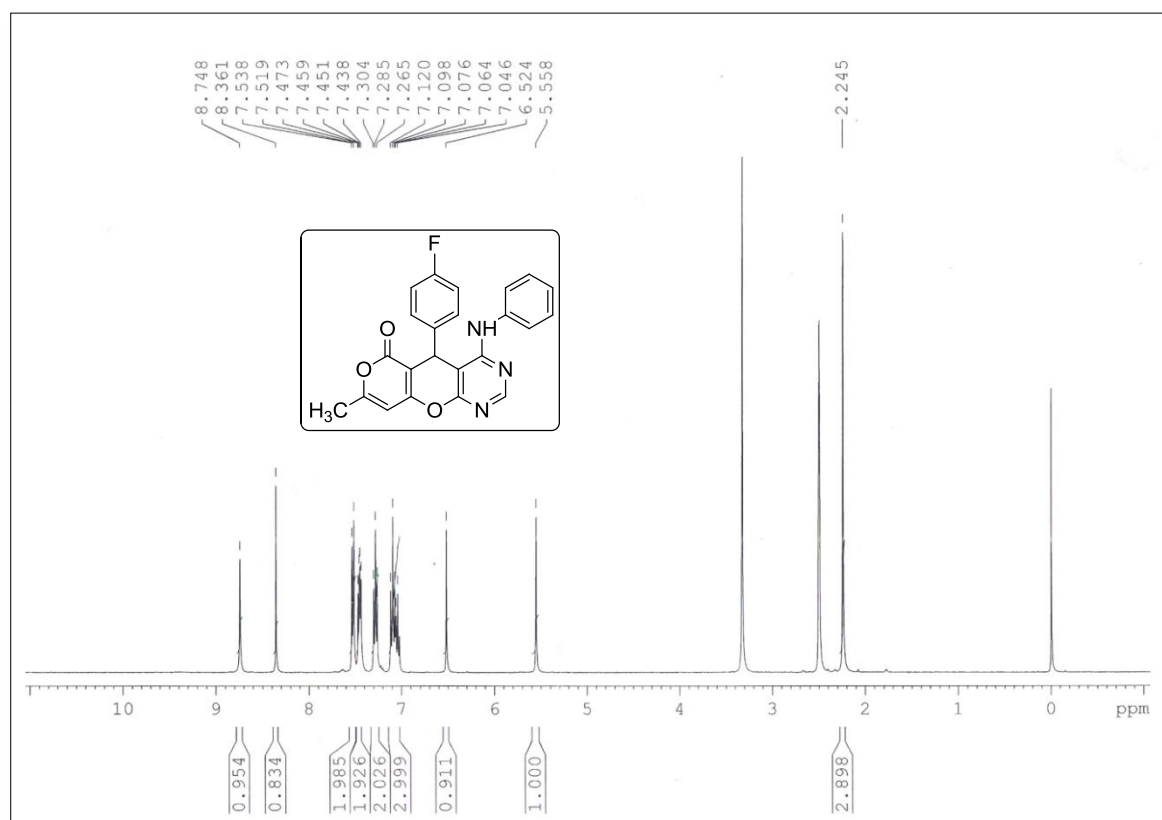
¹H NMR Spectrum of compound **4d**



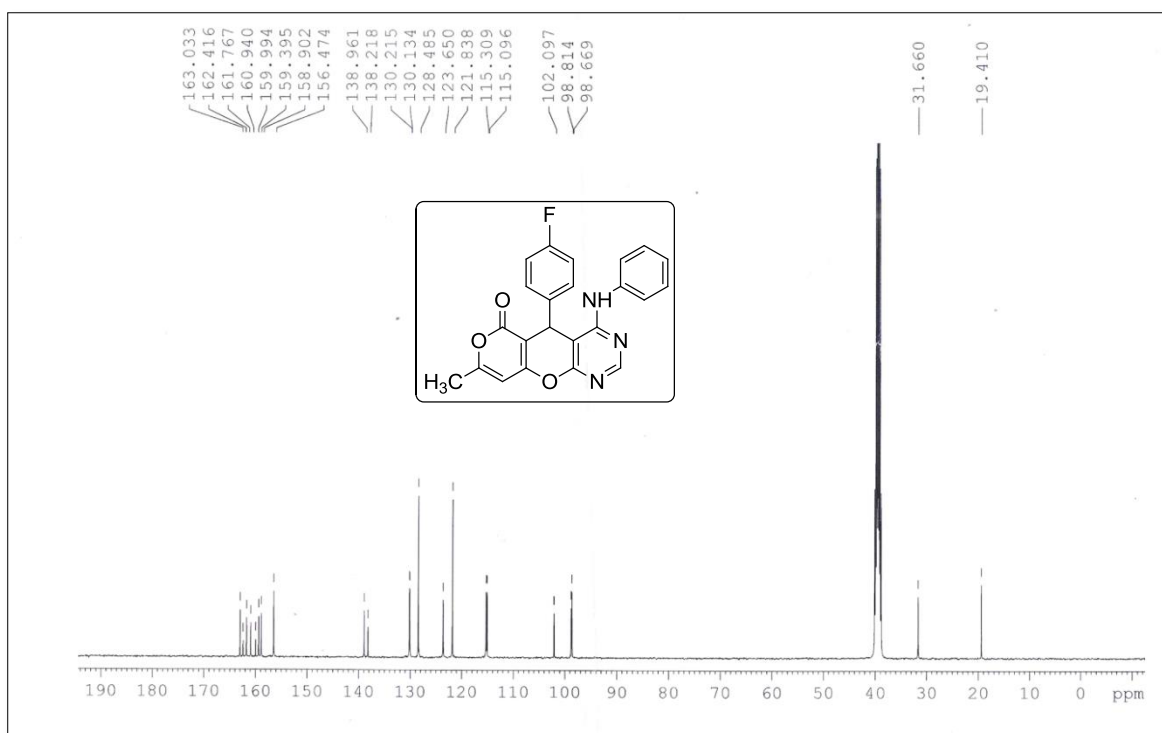
IR Spectrum of compound **4e**



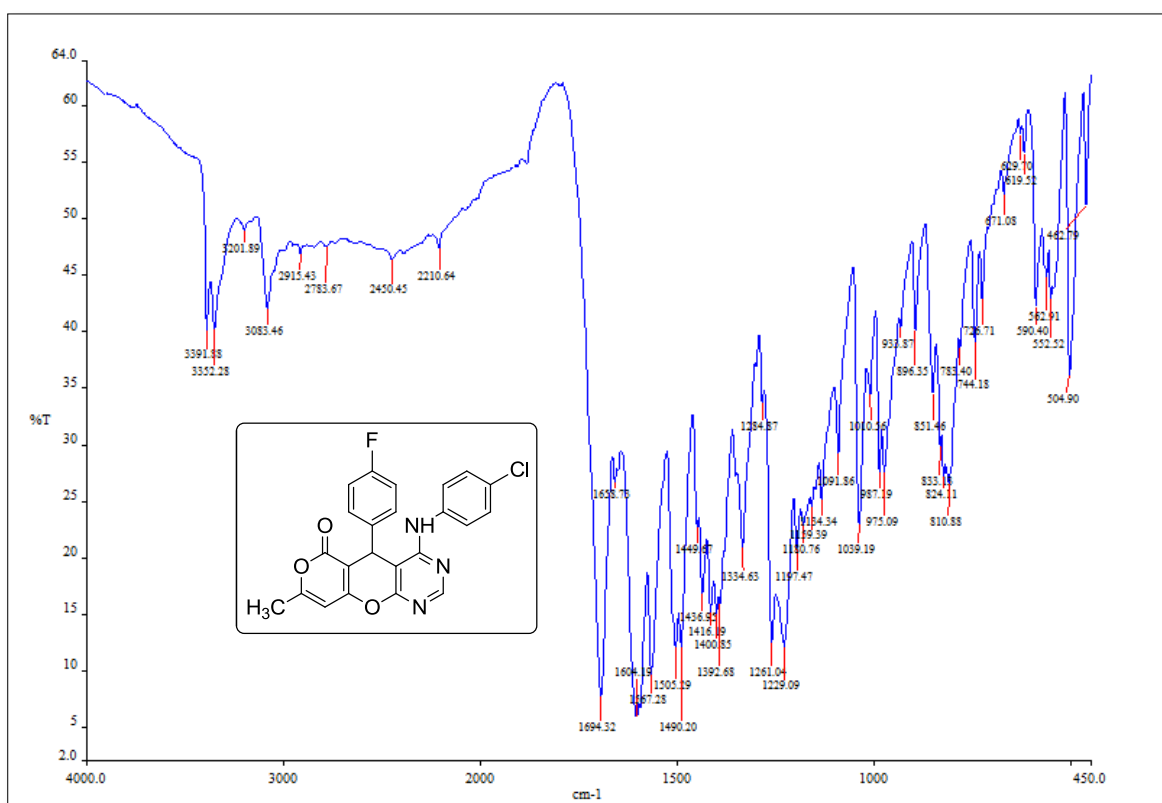
Mass Spectrum of compound **4e**



¹H NMR Spectrum of compound **4e**



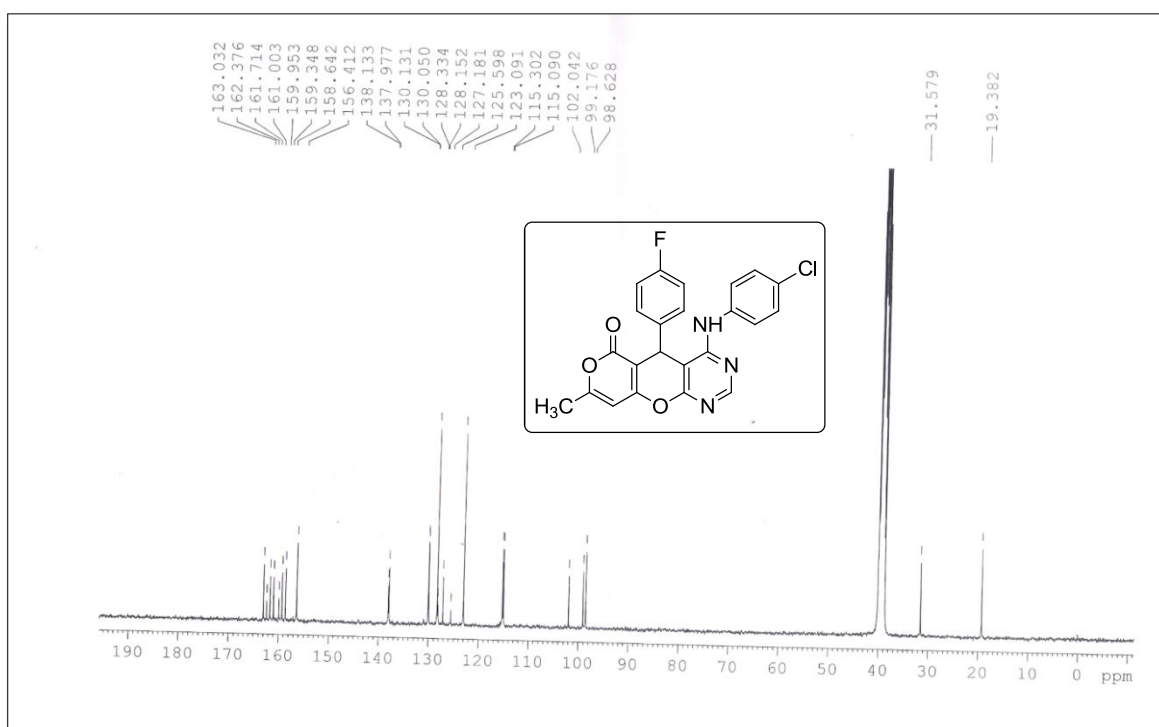
¹³C NMR Spectrum of compound **4e**



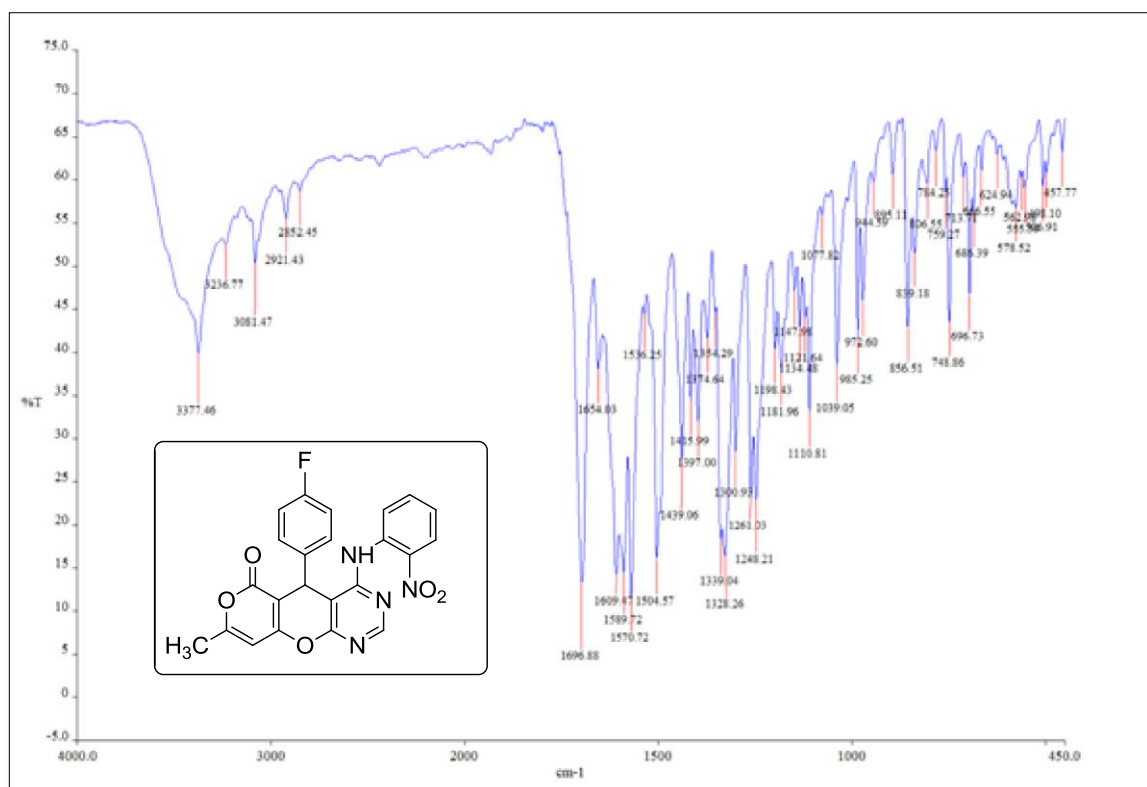
IR Spectrum of compound **4f**



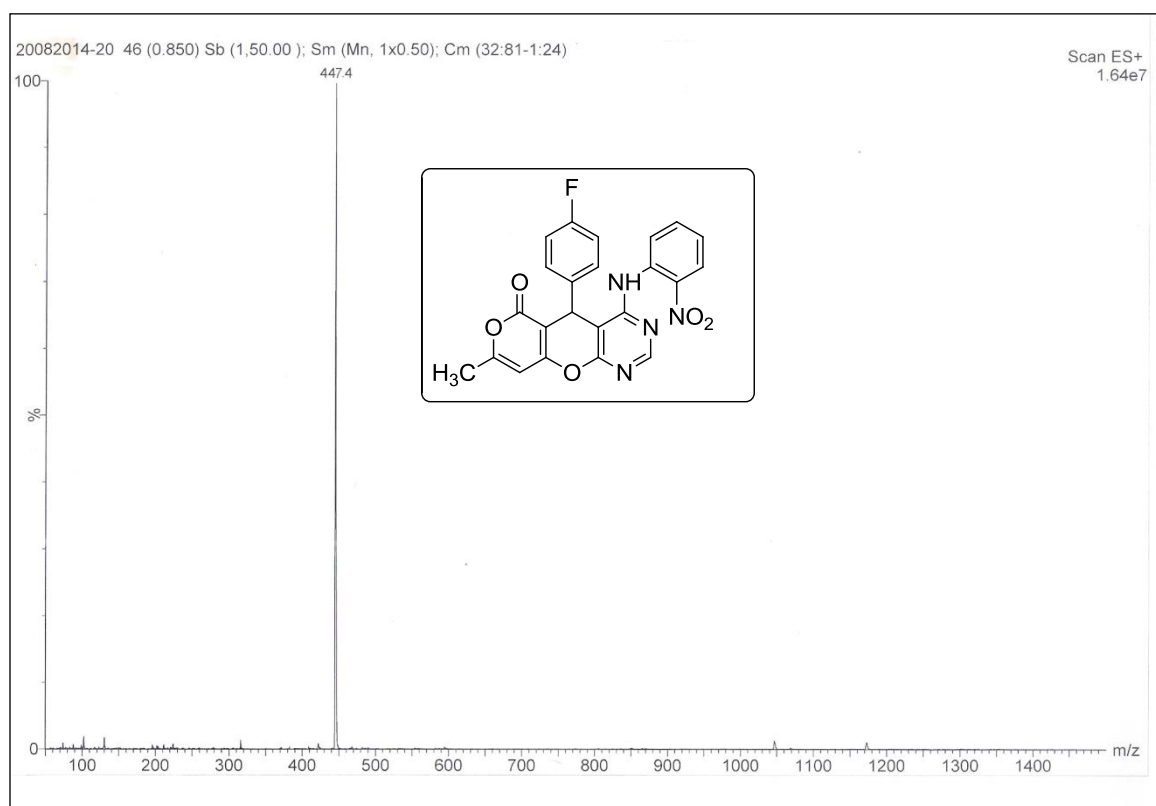
¹H NMR Spectrum of compound 4f



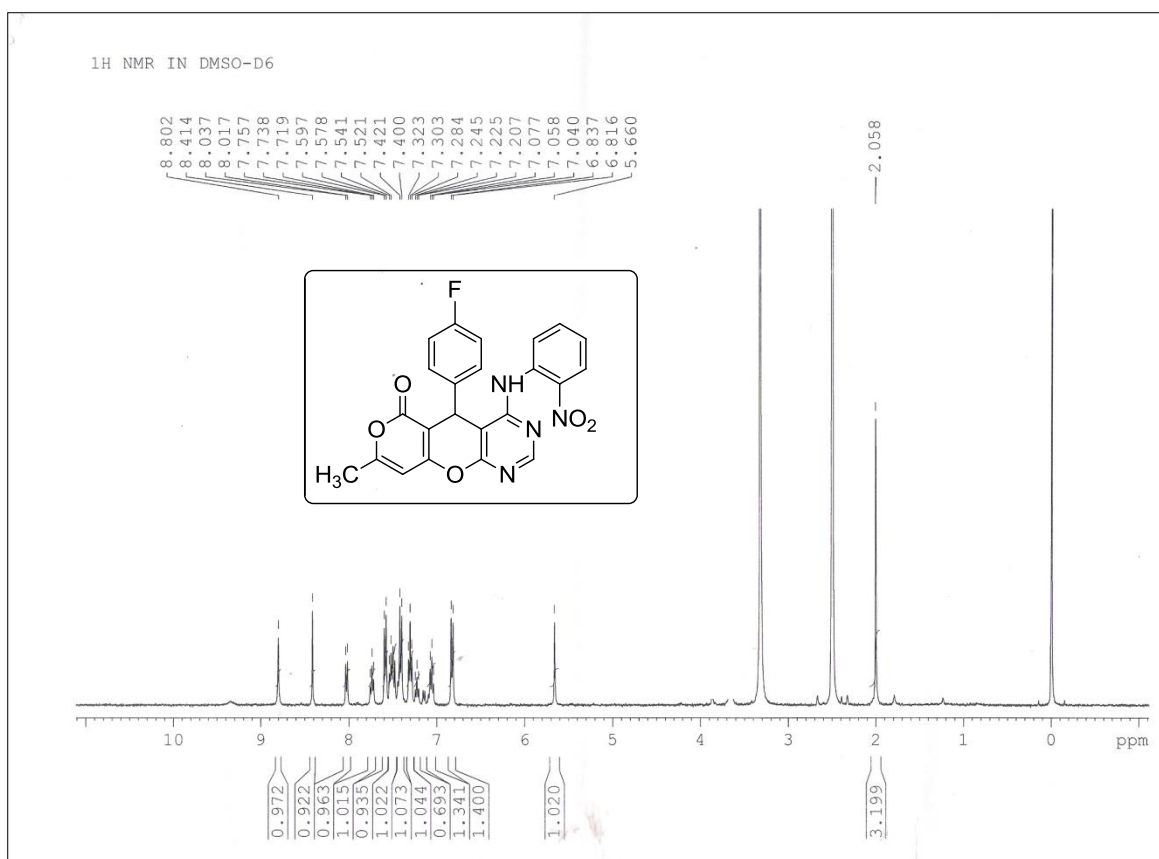
¹³C NMR Spectrum of compound 4f



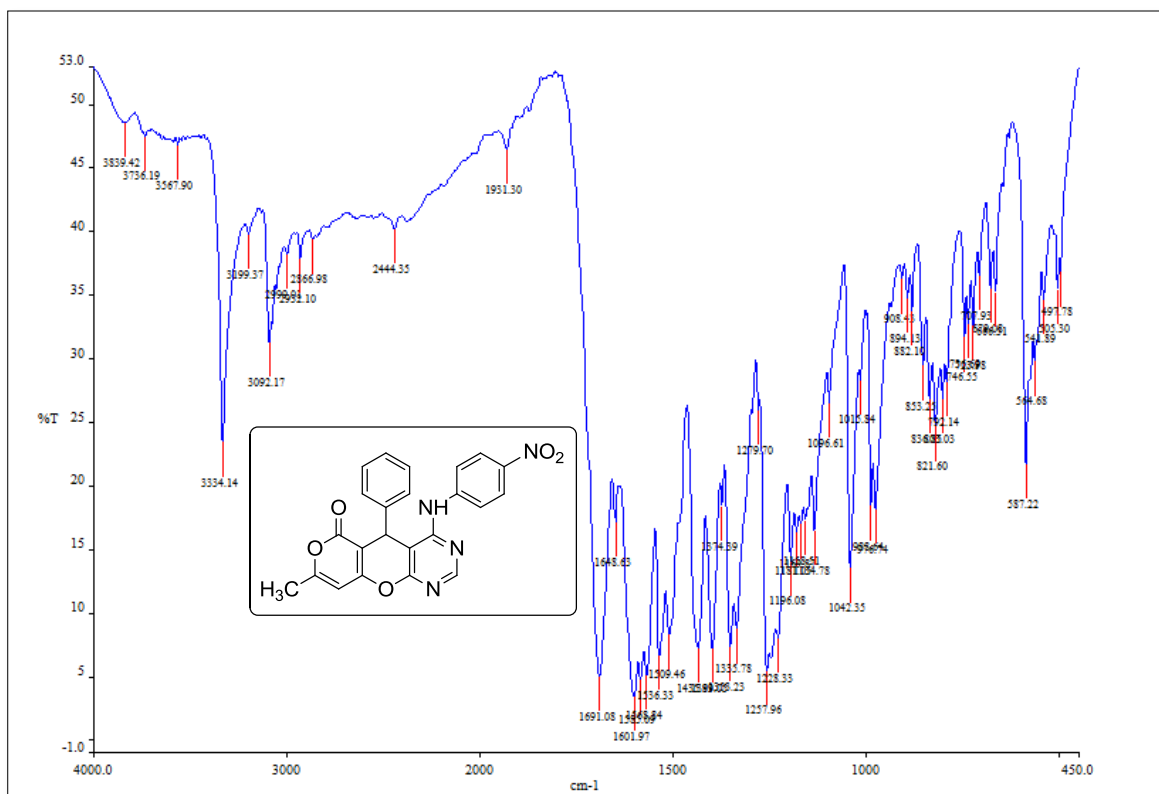
IR Spectrum of compound **4g**



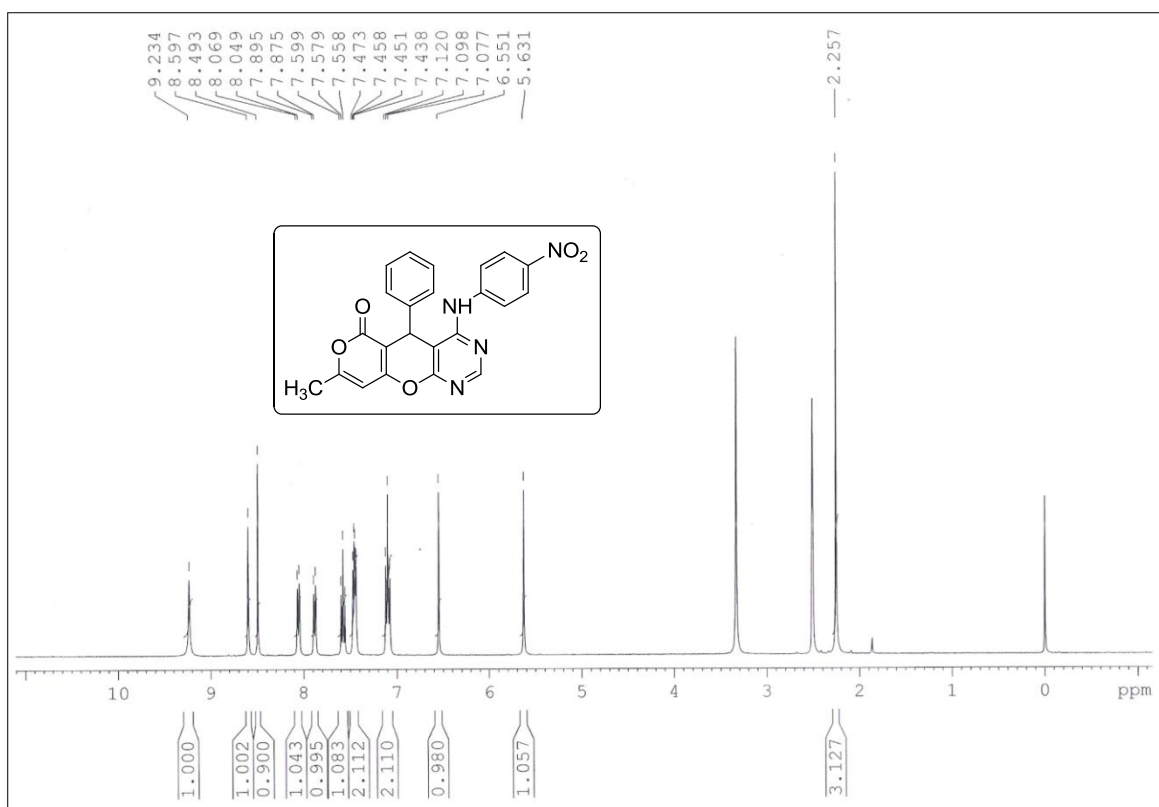
Mass Spectrum of compound **4g**



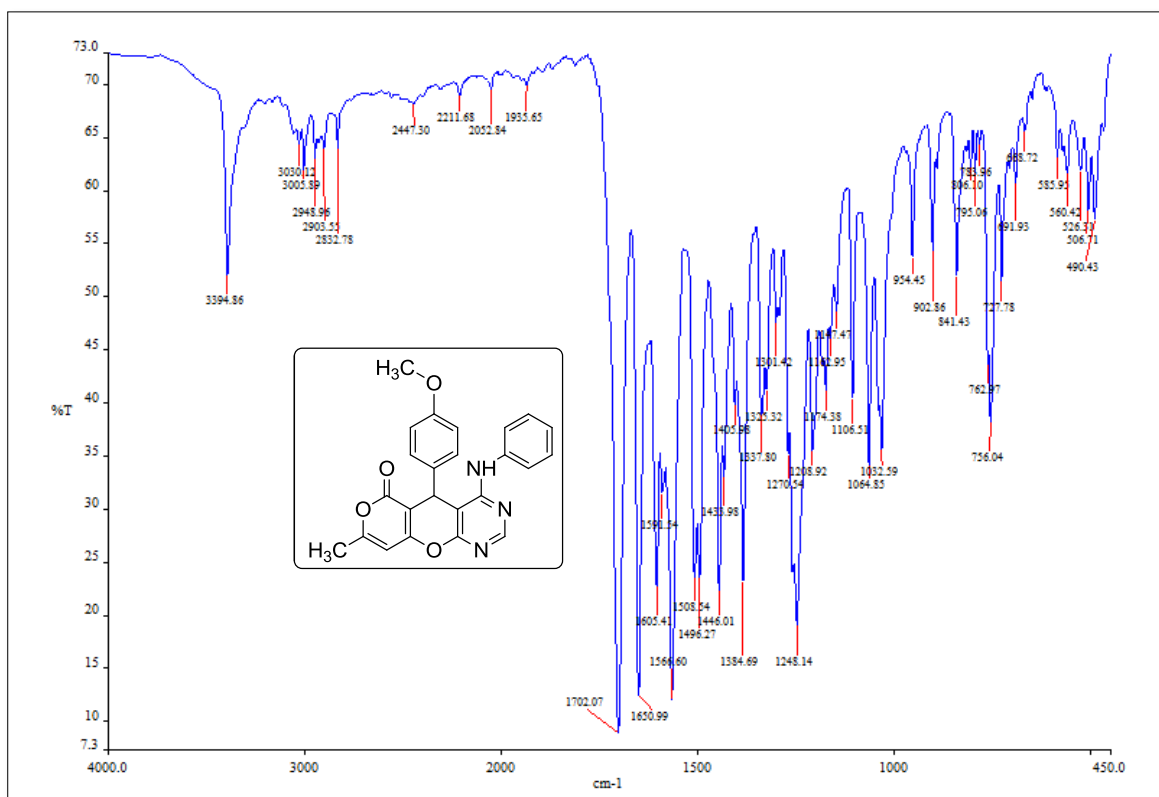
¹H NMR Spectrum of compound **4g**



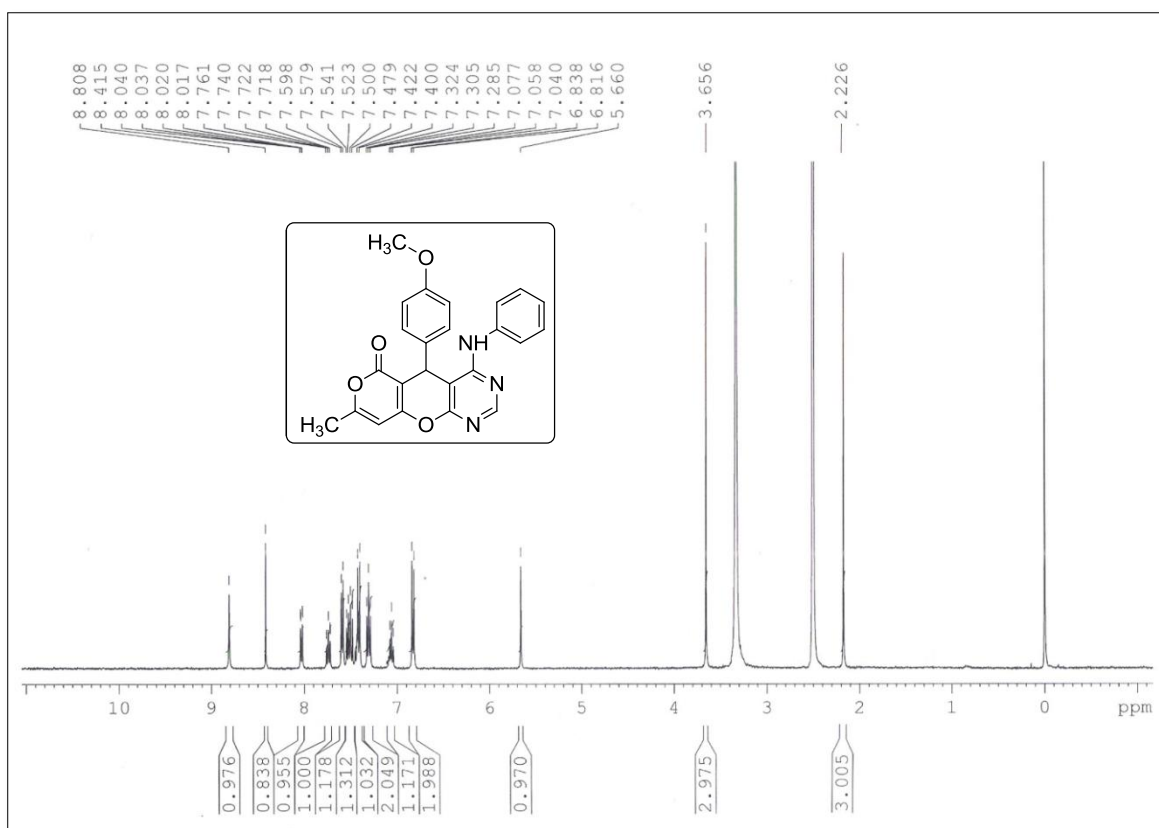
IR Spectrum of compound **4h**



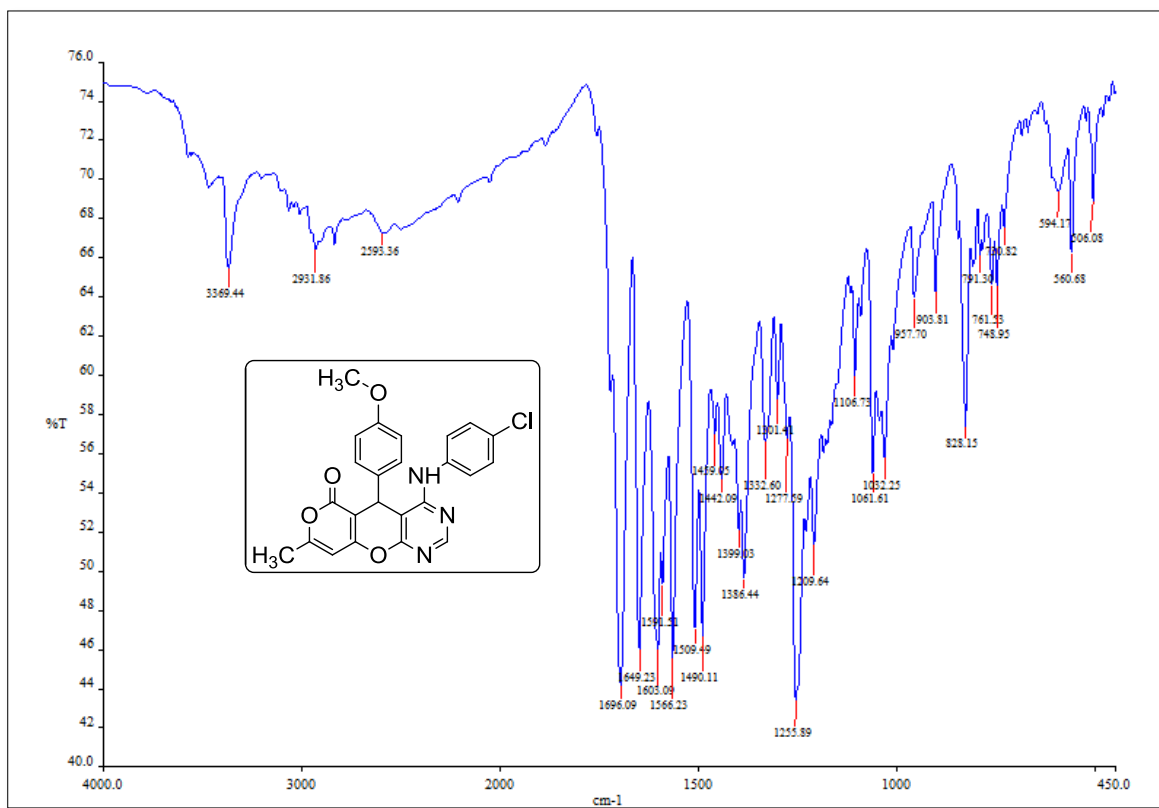
¹H NMR Spectrum of compound 4h



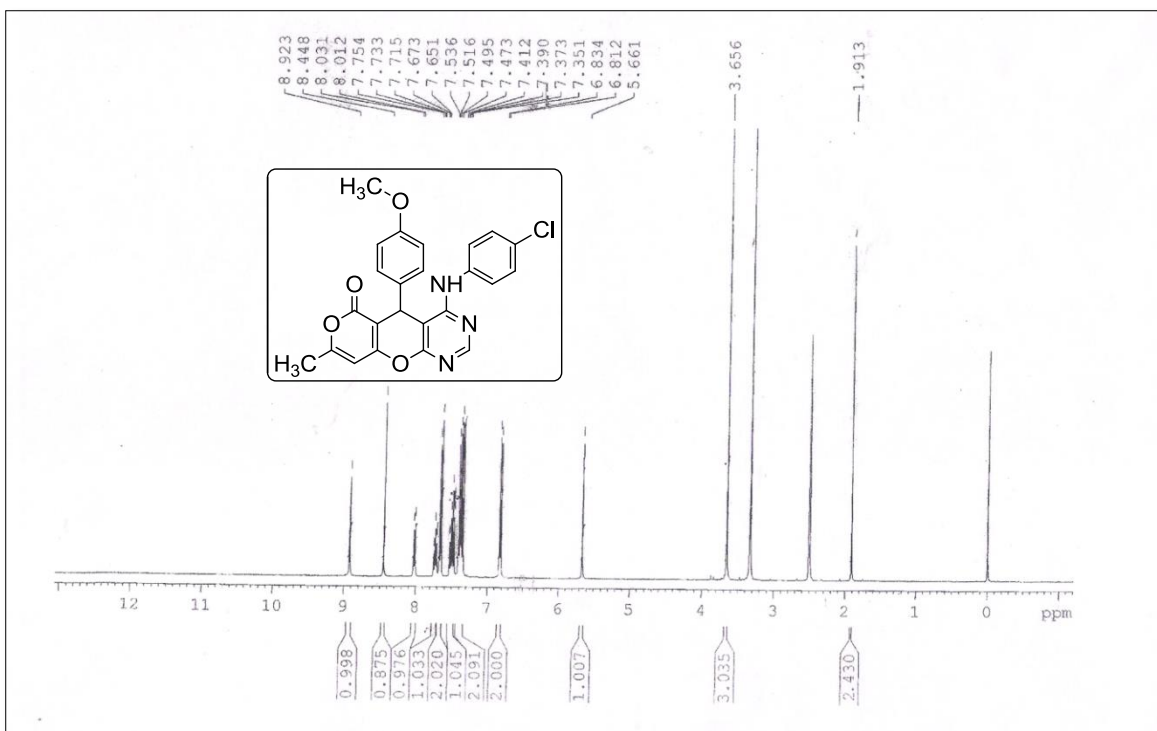
IR Spectrum of compound 4i



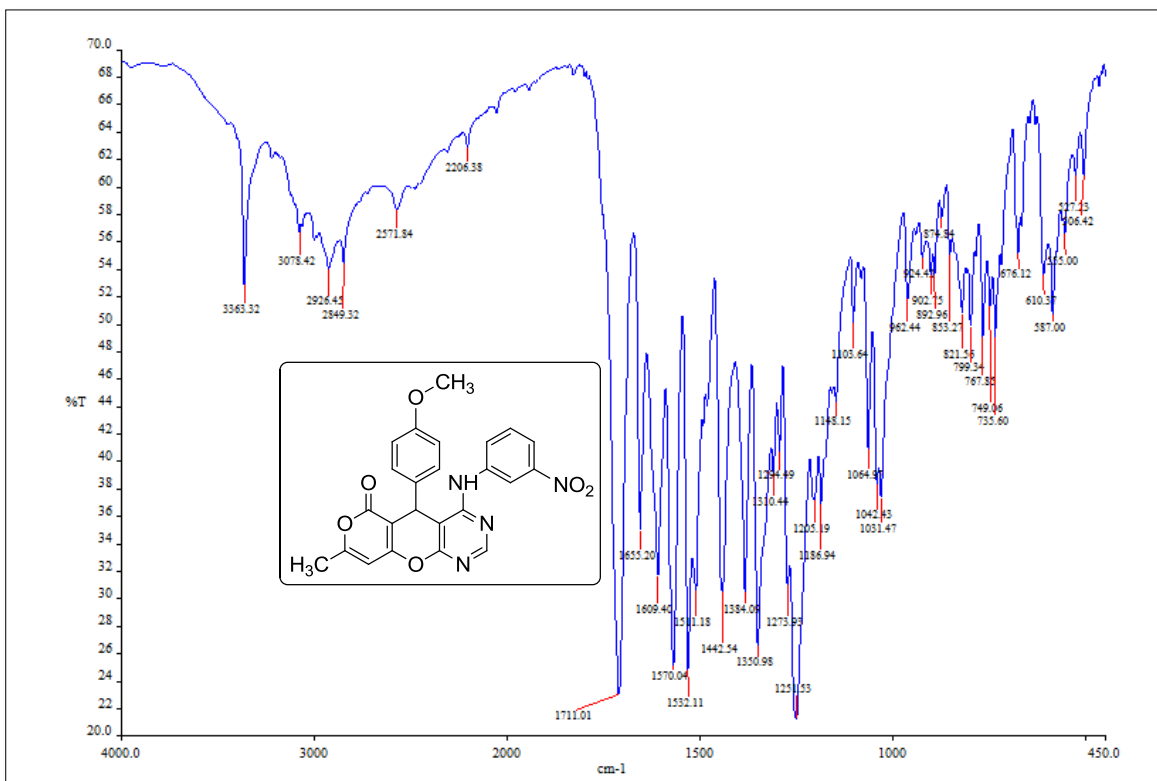
¹H NMR Spectrum of compound **4i**



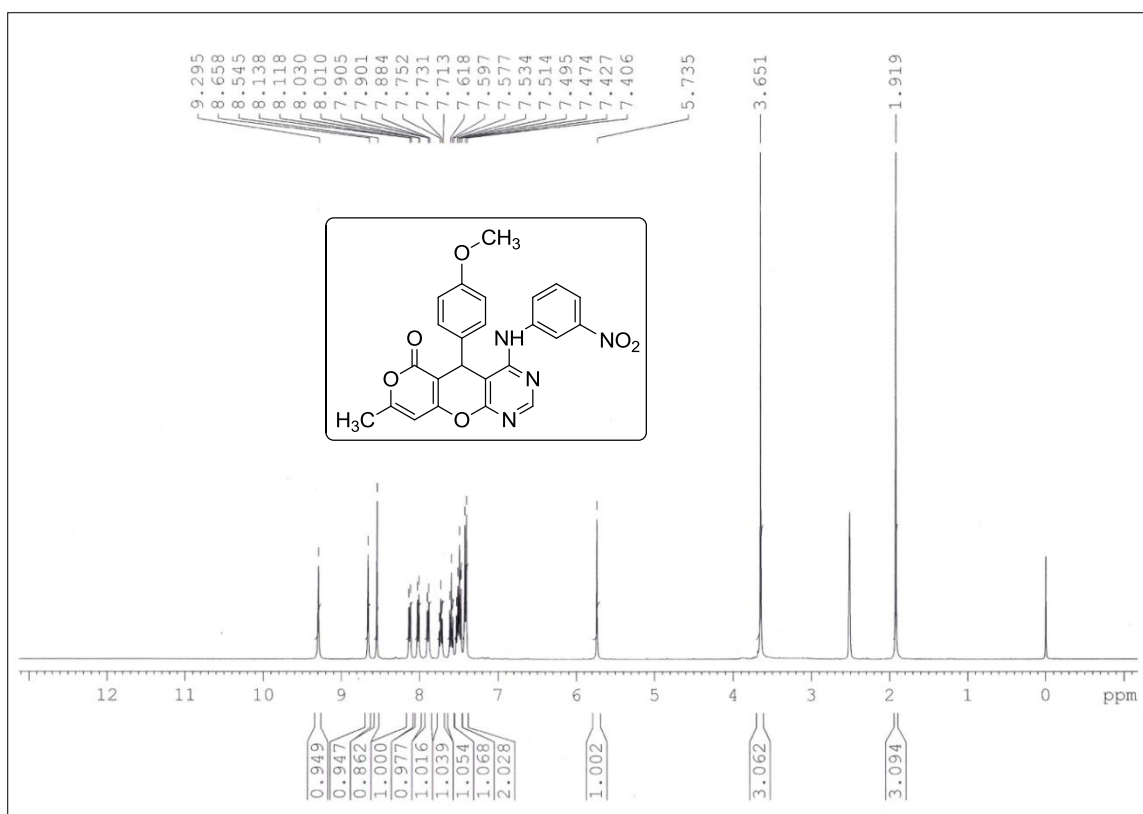
IR Spectrum of compound **4j**



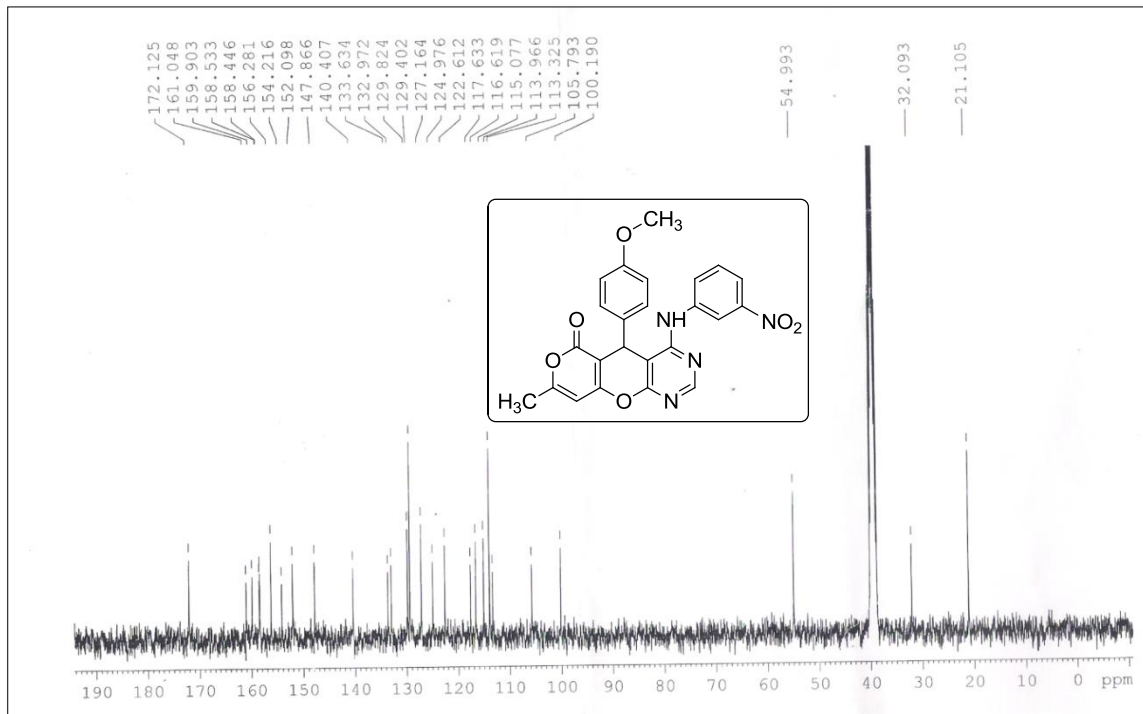
¹H NMR Spectrum of compound **4j**



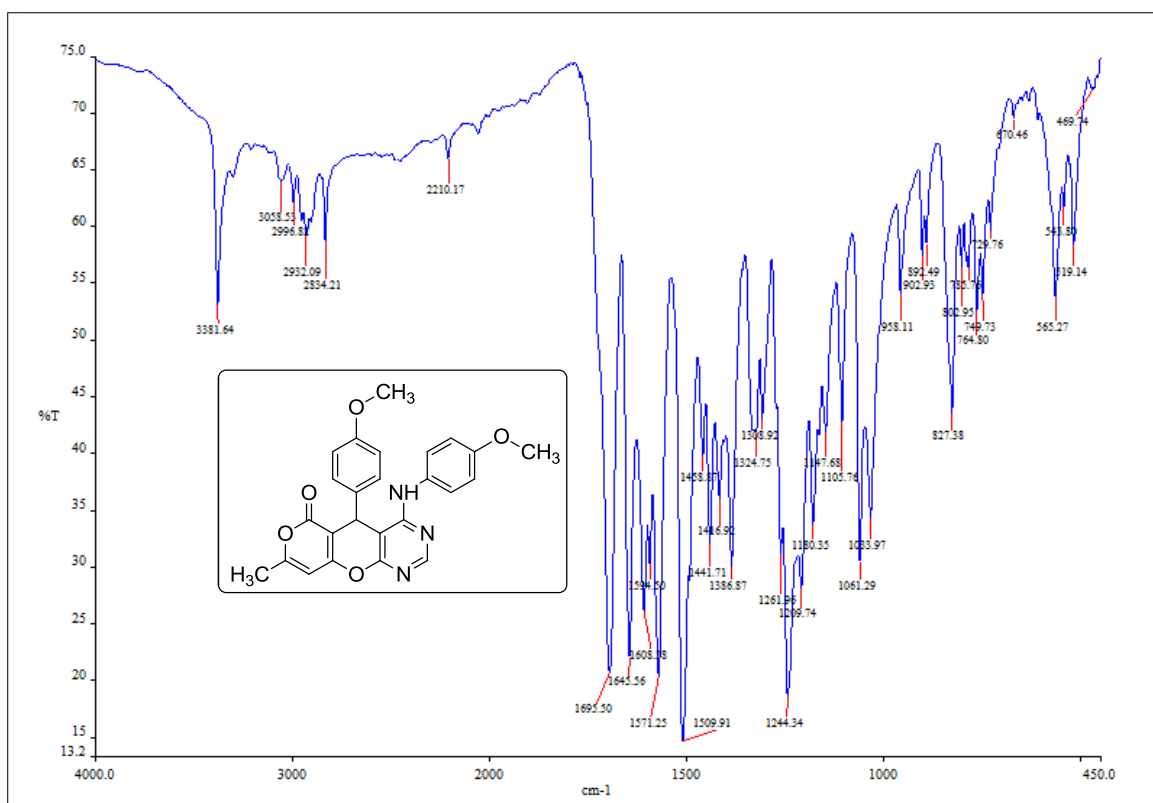
IR Spectrum of compound **4k**



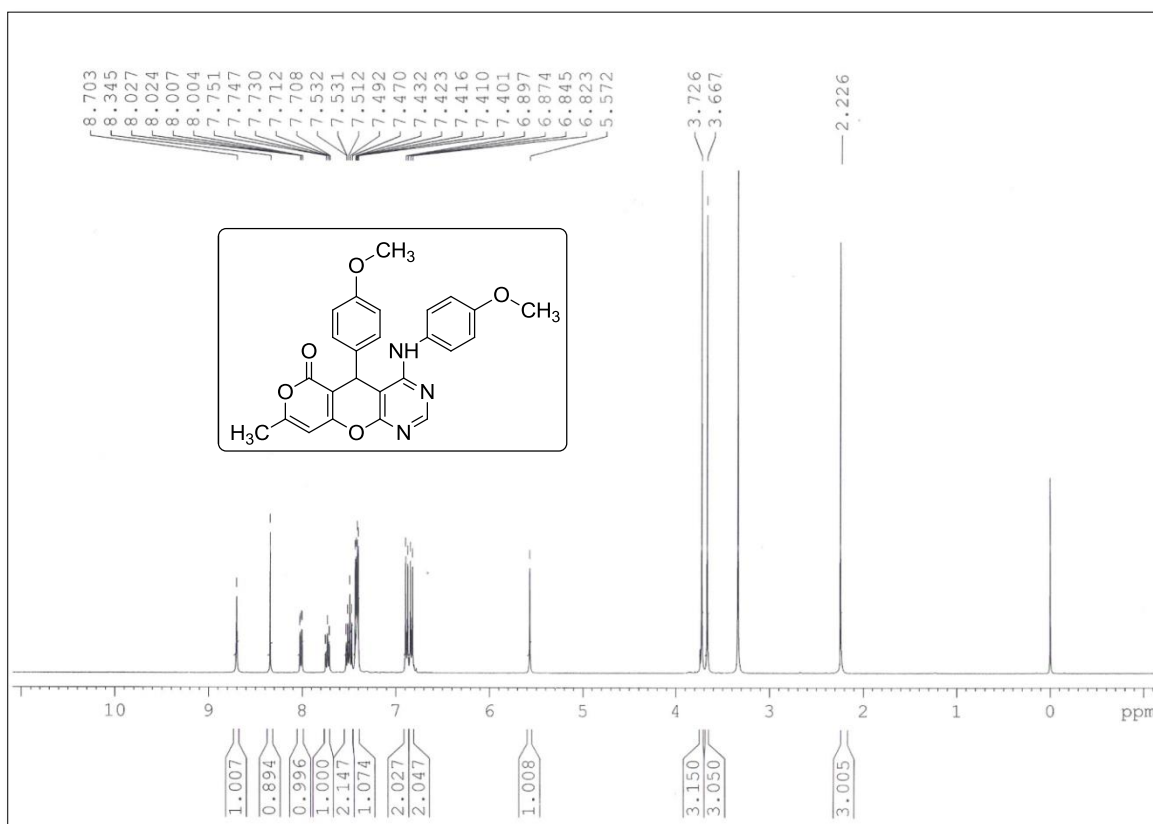
¹H NMR Spectrum of compound 4k



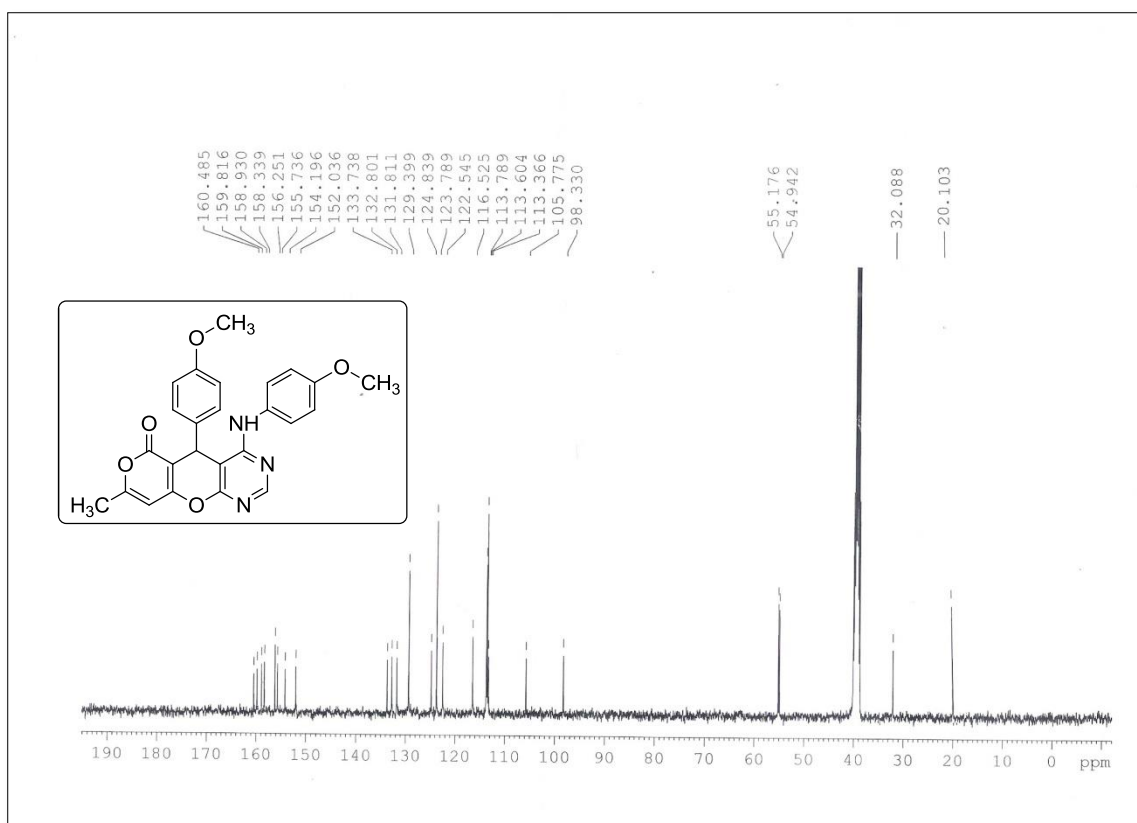
¹³C NMR Spectrum of compound 4k



IR Spectrum of compound **4I**



¹H NMR Spectrum of compound **4I**



^{13}C NMR Spectrum of compound **41**