

Supporting Information

Design and Synthesis of Pyrazole/Isoxazole linked Arylcinnamides as Tubulin Polymerization Inhibitors and Potential Antiproliferative Agents

Ahmed Kamal,^{*a,b} Anver Basha Shaik,^a Bala Bhaskara Rao,^c Irfan Khan,^a G. Bharath Kumar,^a Nishant Jain^c

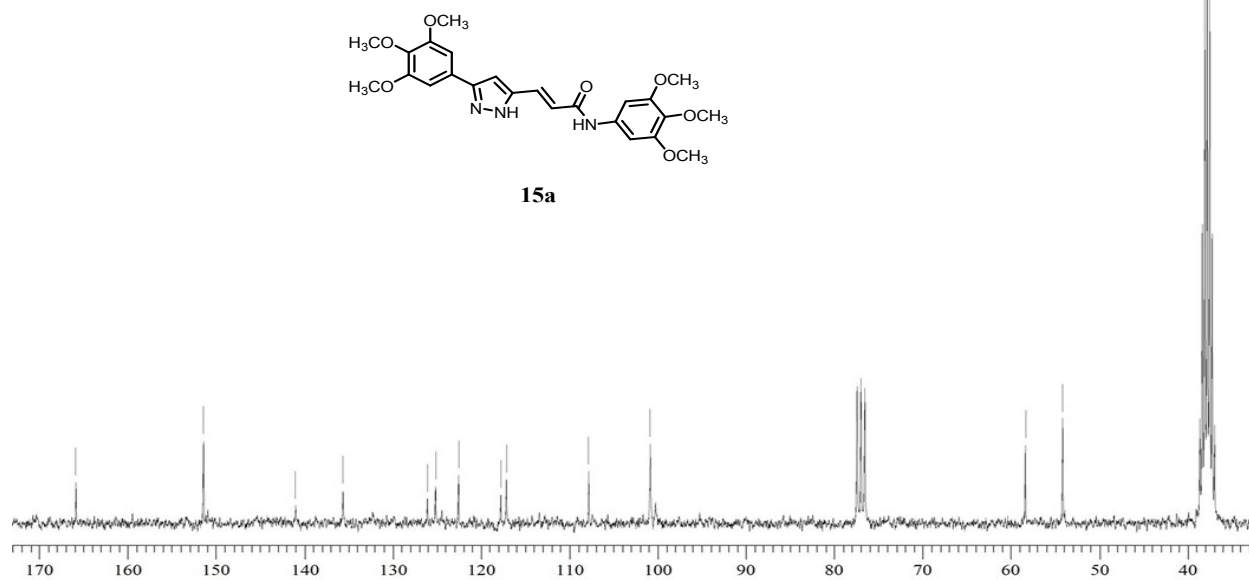
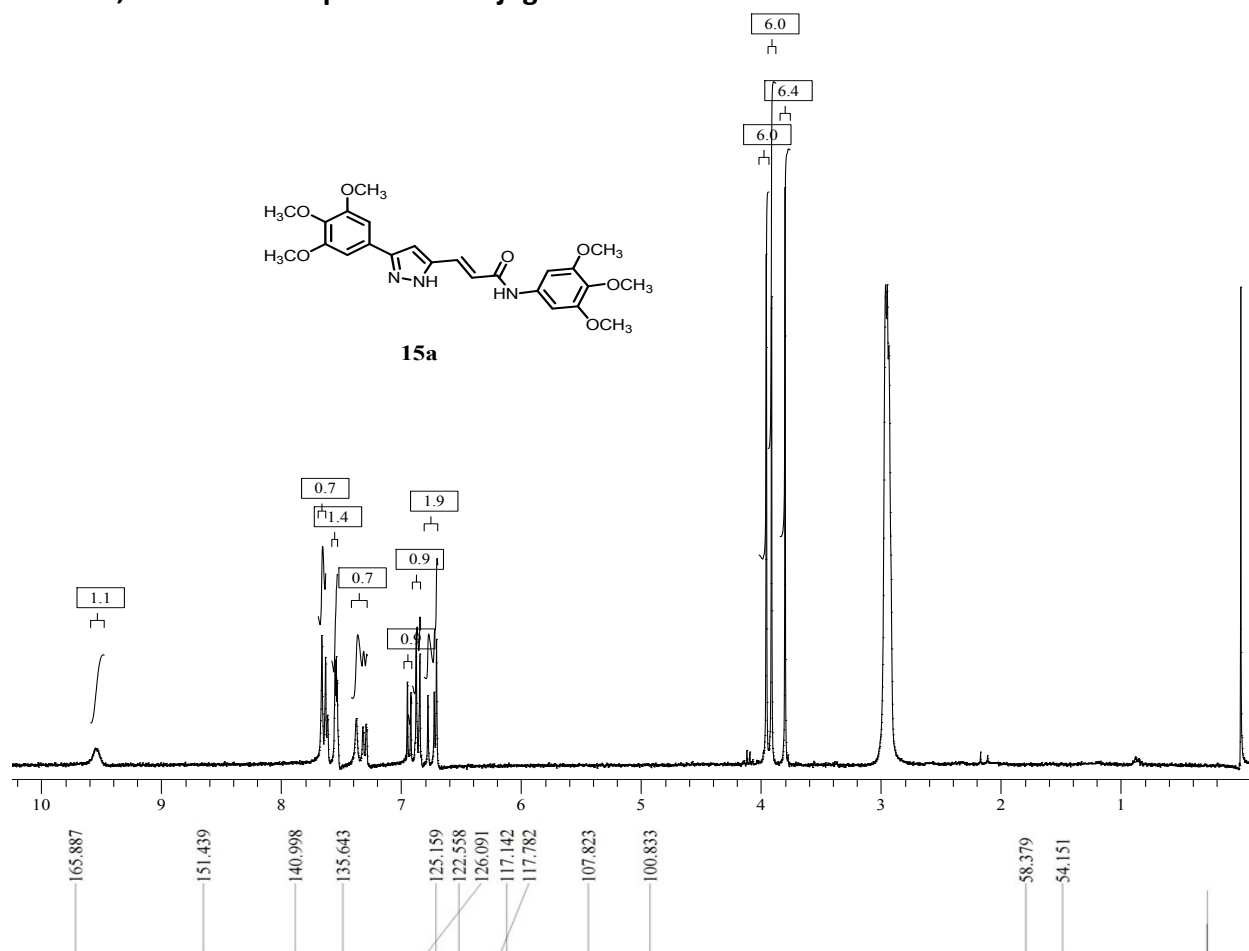
^a*Medicinal Chemistry and Pharmacology, CSIR - Indian Institute of Chemical Technology, Hyderabad 500007, India*

^b*Catalytic Chemistry Research Chair, Chemistry Department, College of Science, King Saud University, Riyadh 11451, Saudi Arabia*

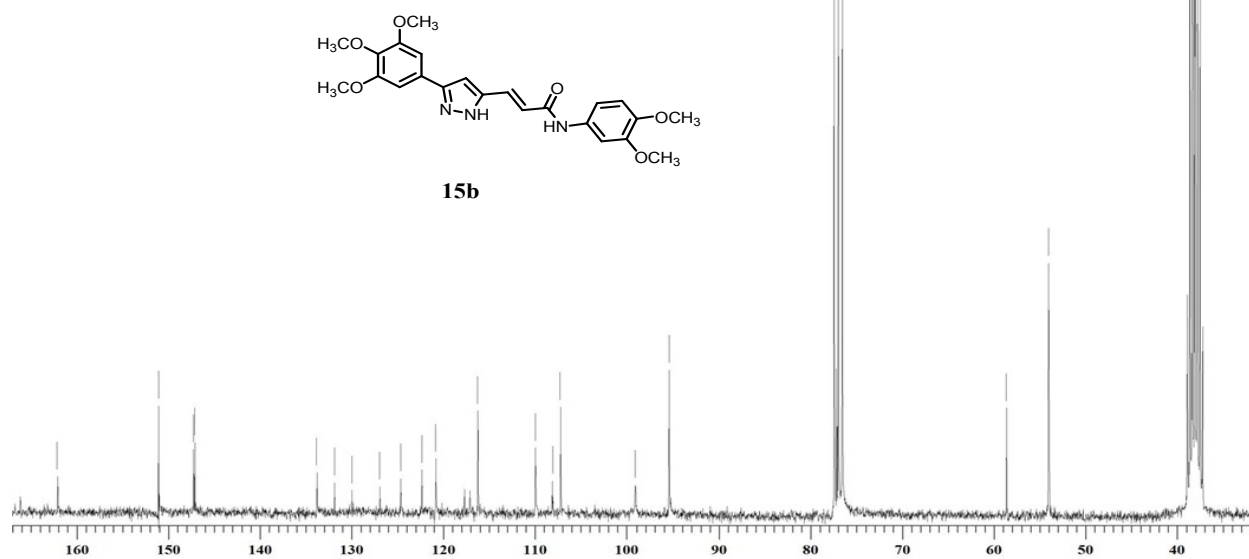
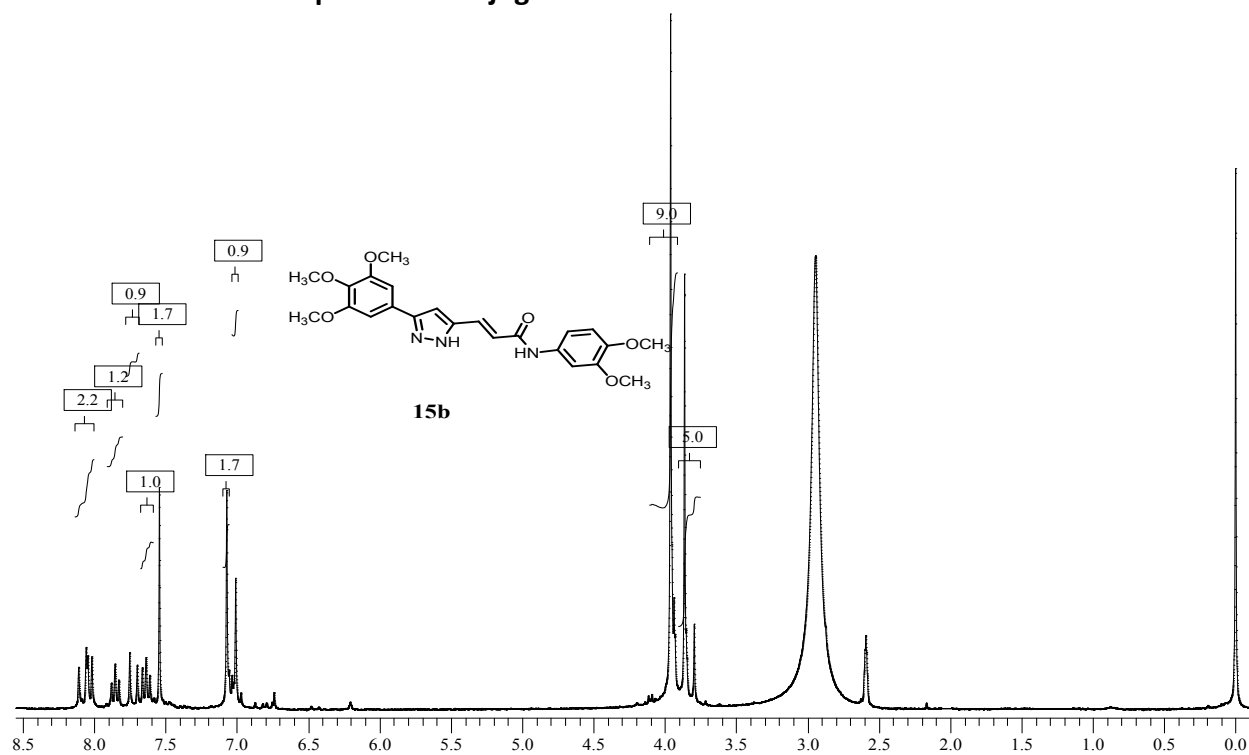
^c*Centre for Chemical Biology, CSIR - Indian Institute of Chemical Technology, Hyderabad 500007, India*

Correspondence: ^{*1,2}Corresponding authors. Tel.: +91-40-27193157; fax: +91-40-27193189, e-mail: ahmedkamal@iict.res.in (A. Kamal).

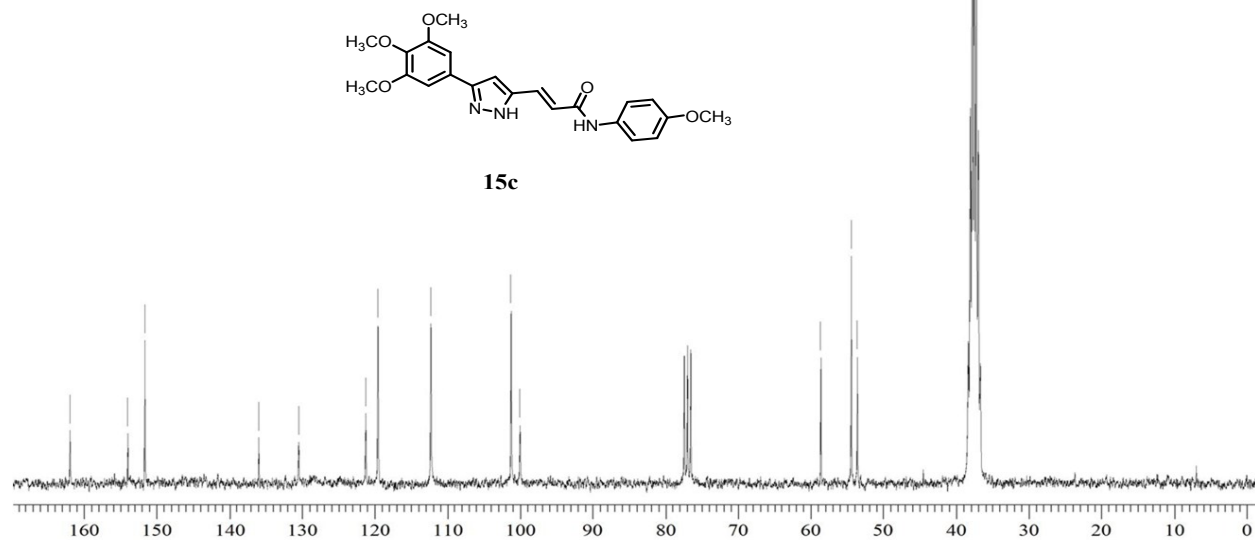
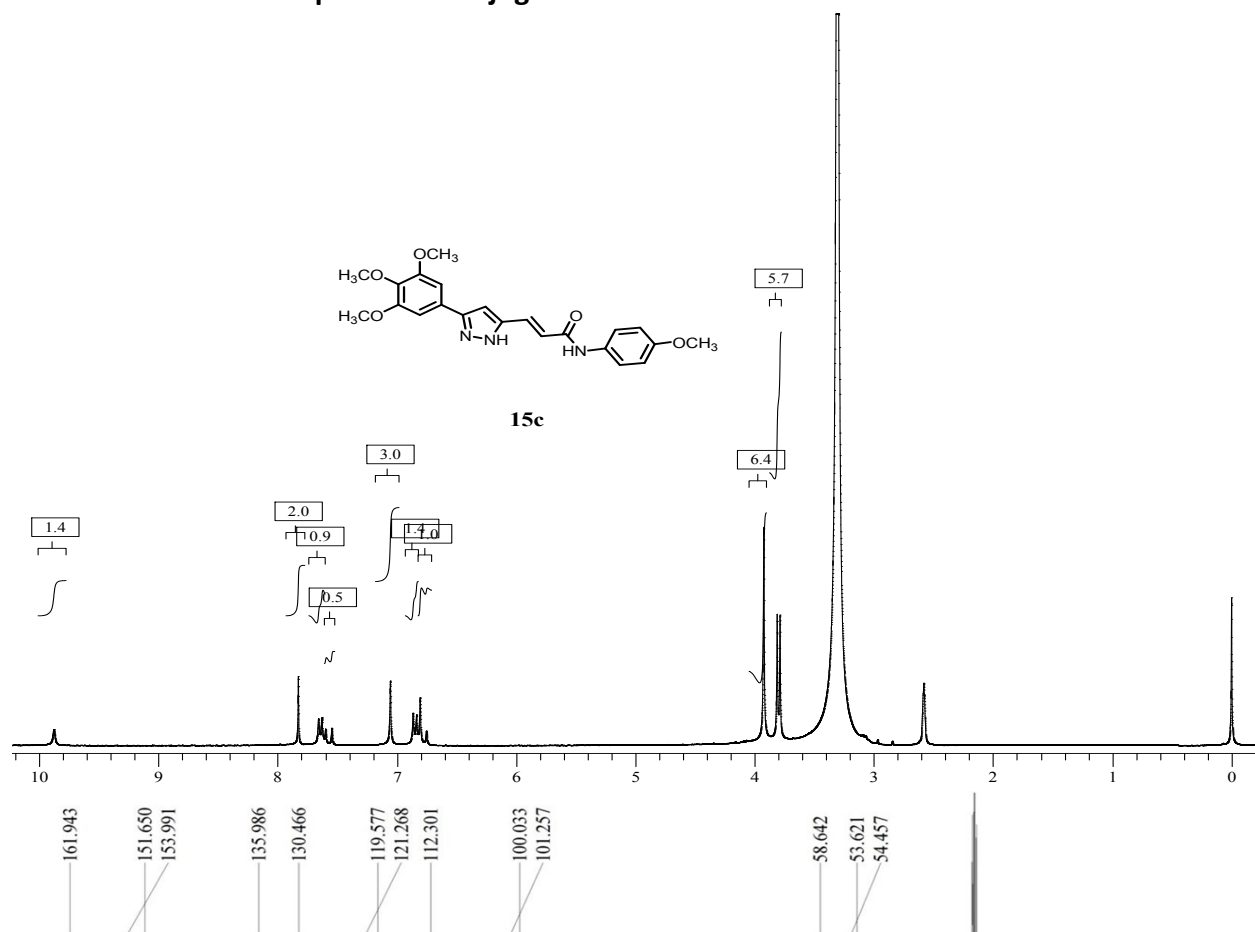
¹H NMR, and ¹³C NMR spectra of conjugate 15a:



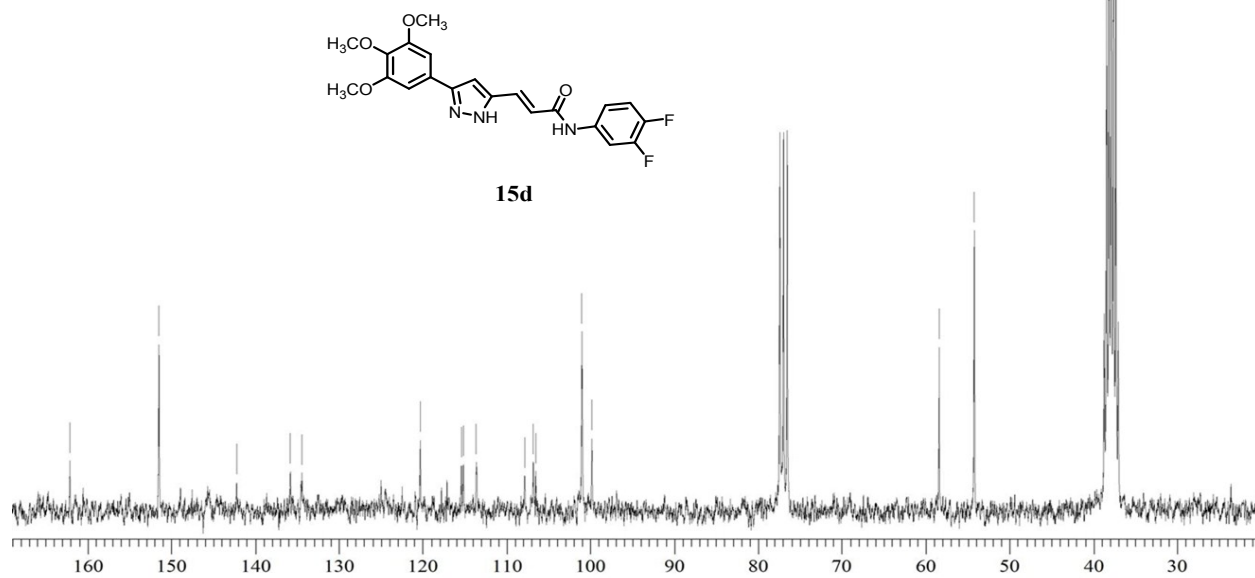
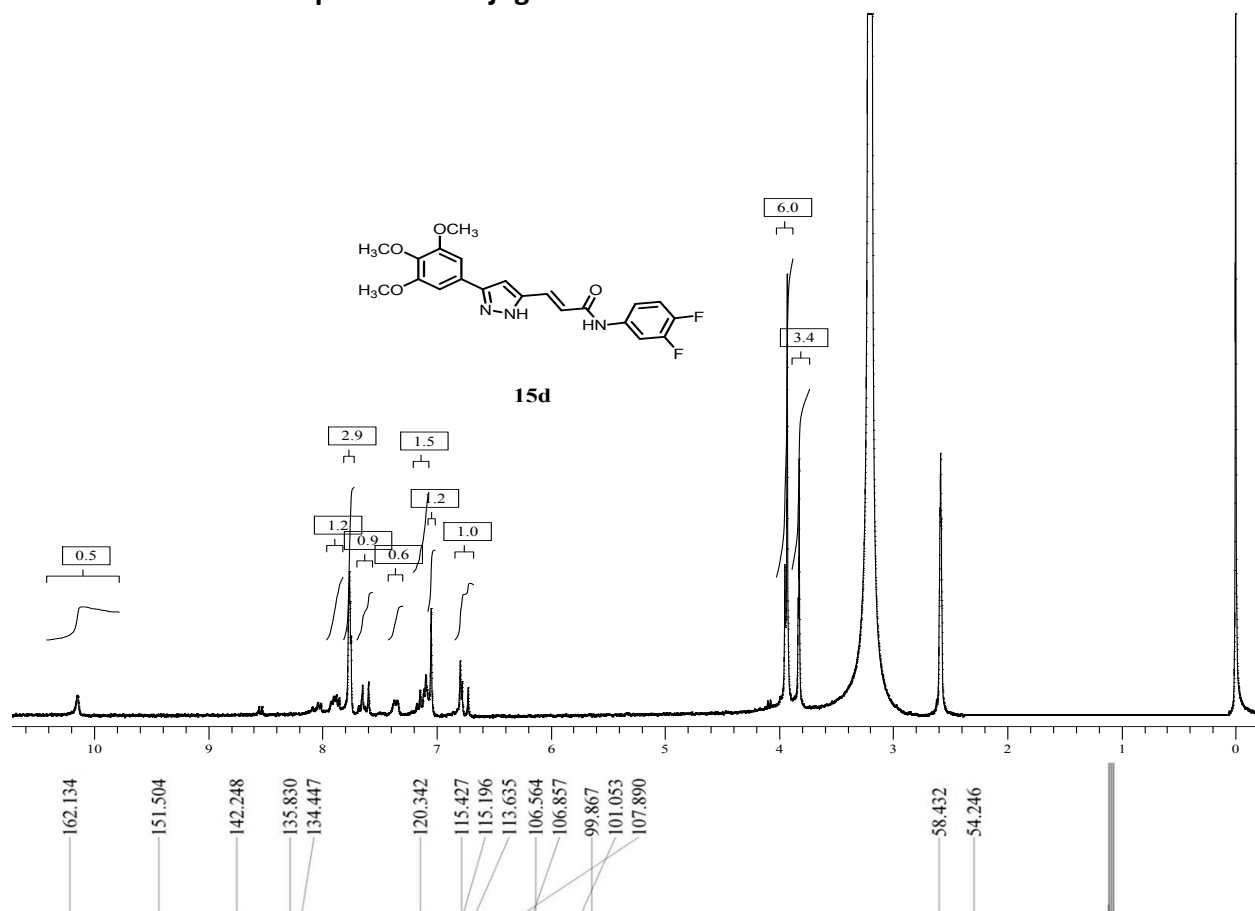
¹H NMR and ¹³C NMR spectra of conjugate 15b:



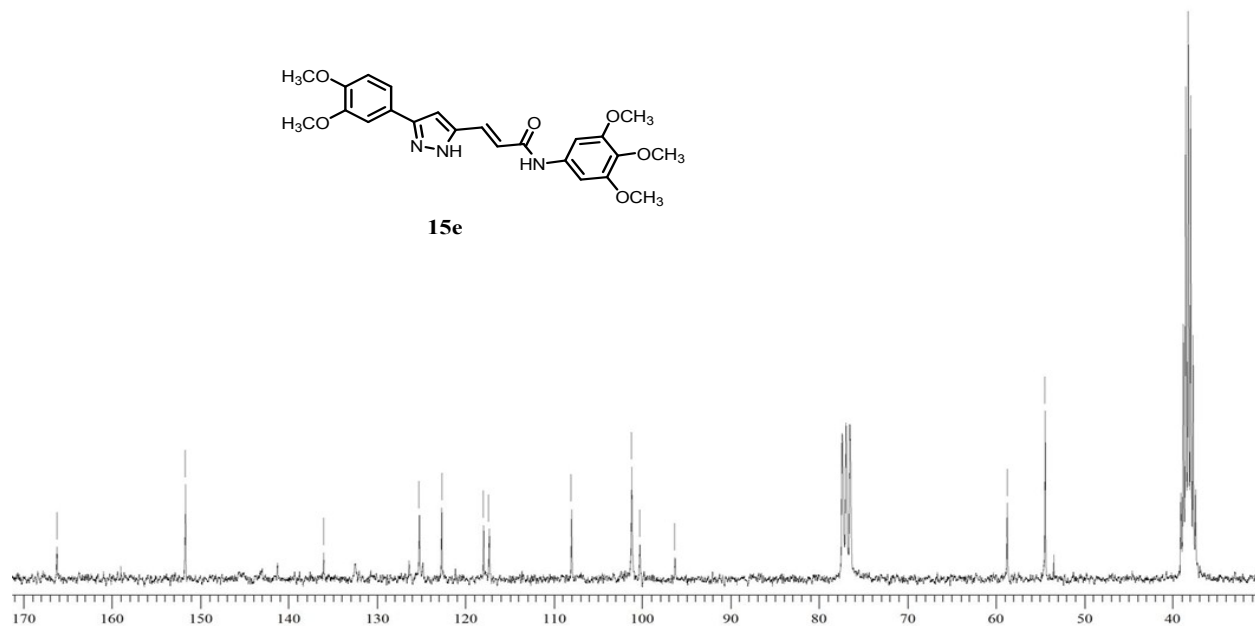
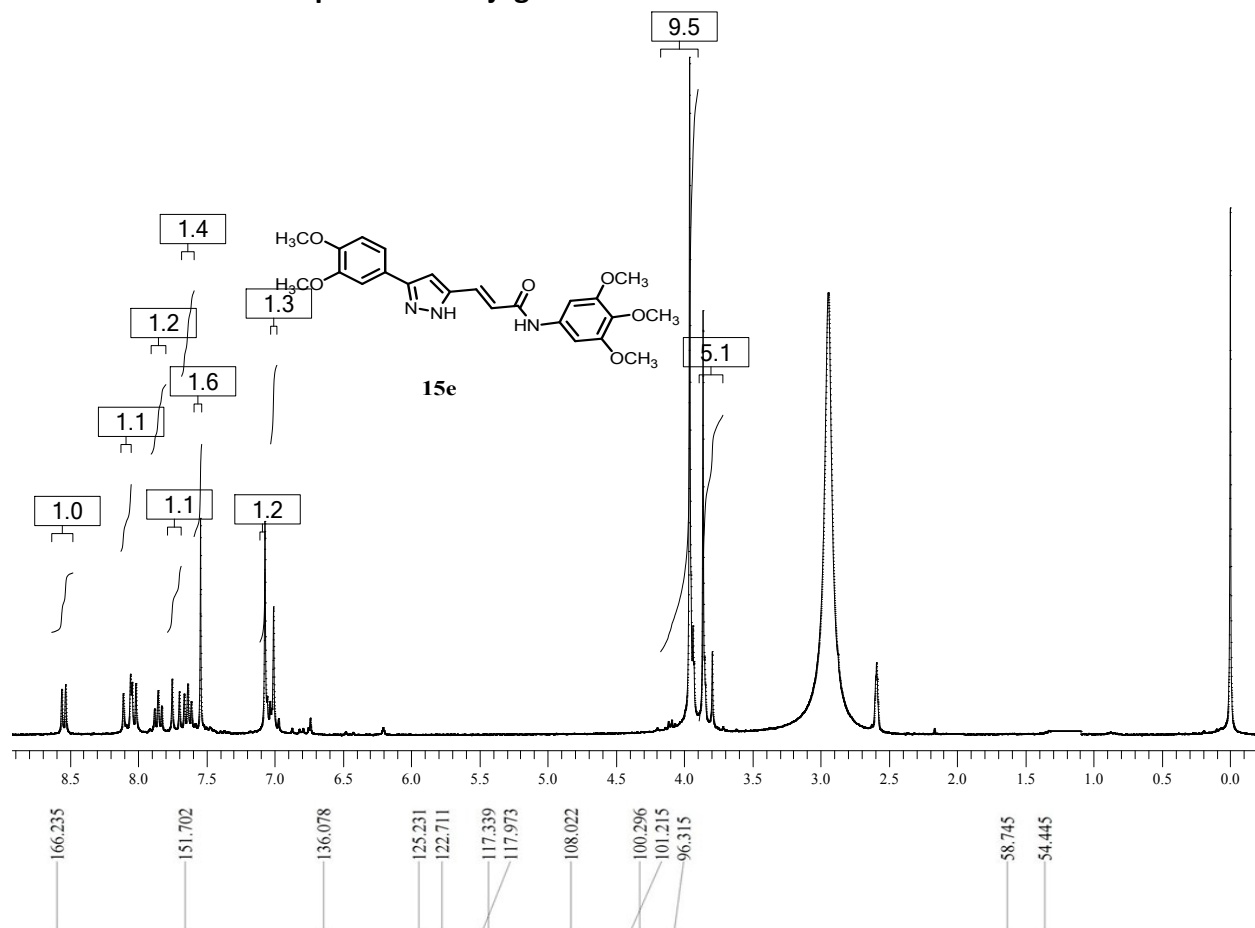
¹H NMR and ¹³C NMR spectra of conjugate 15c:



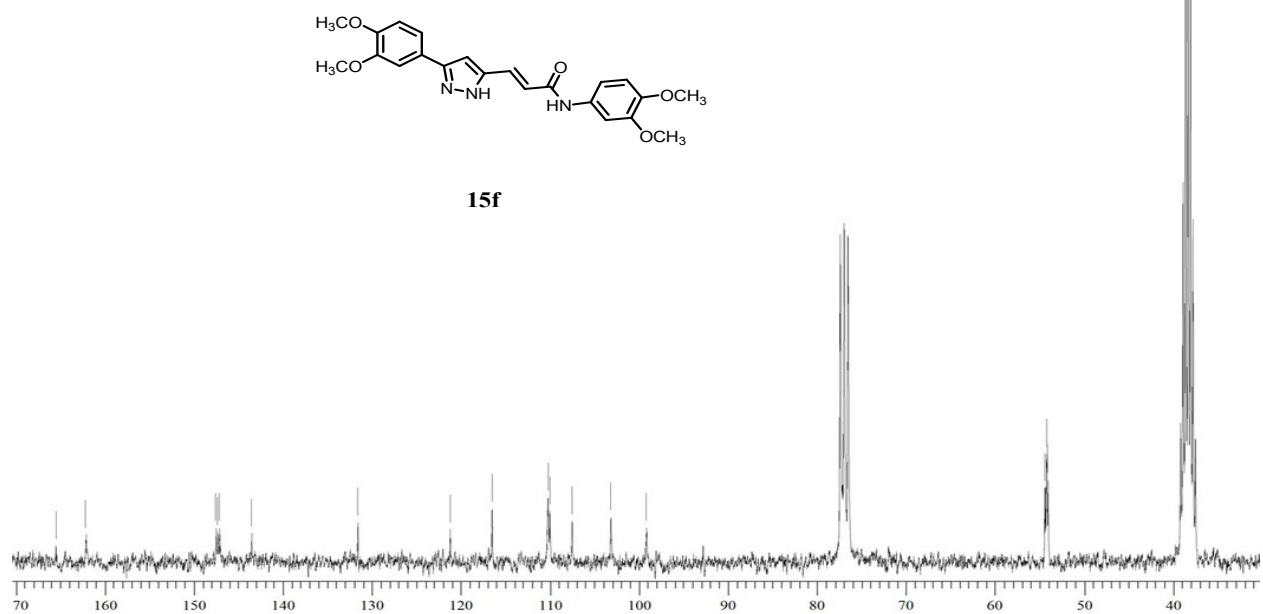
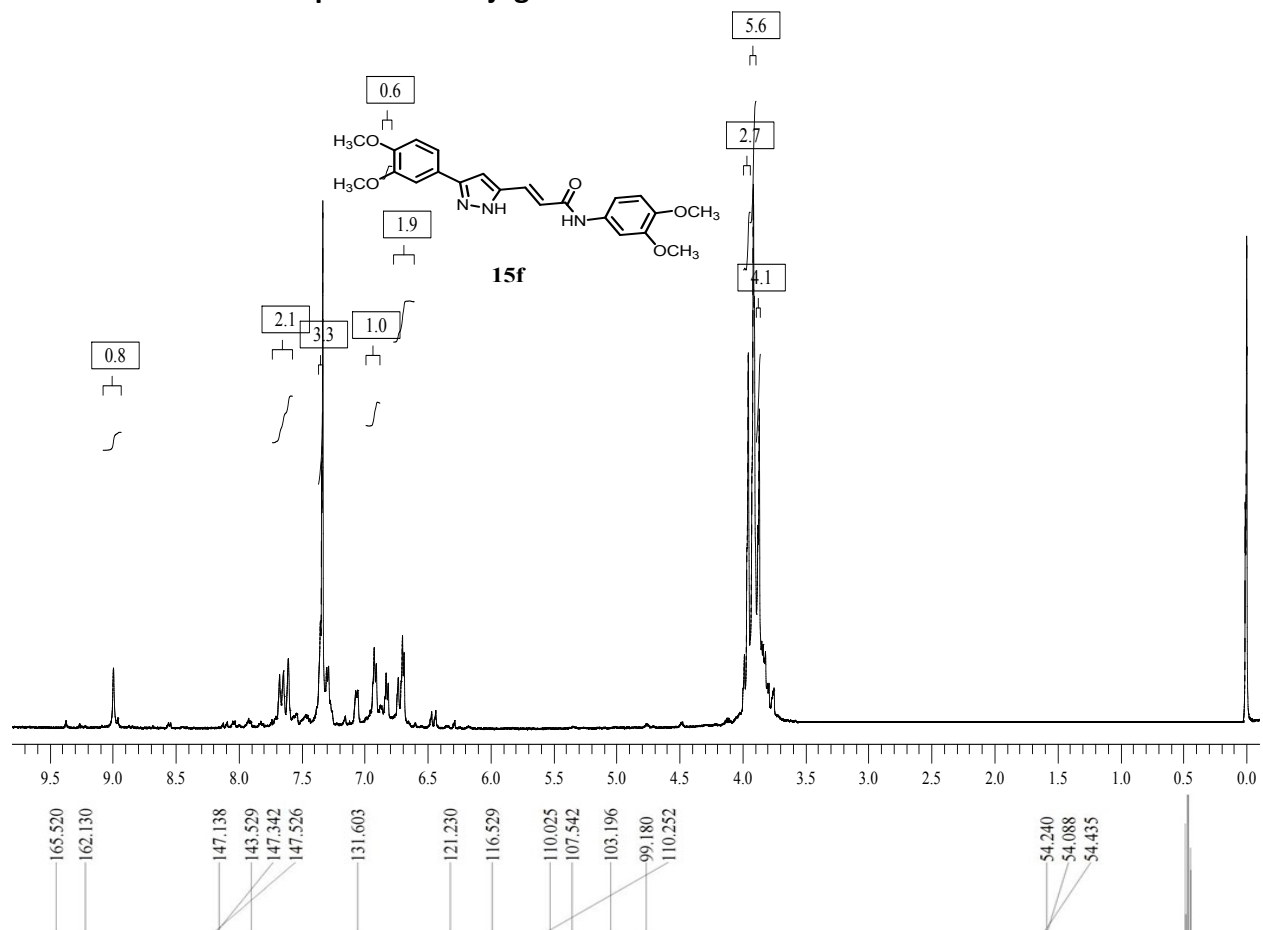
¹H NMR and ¹³C NMR spectra of conjugate 15d:



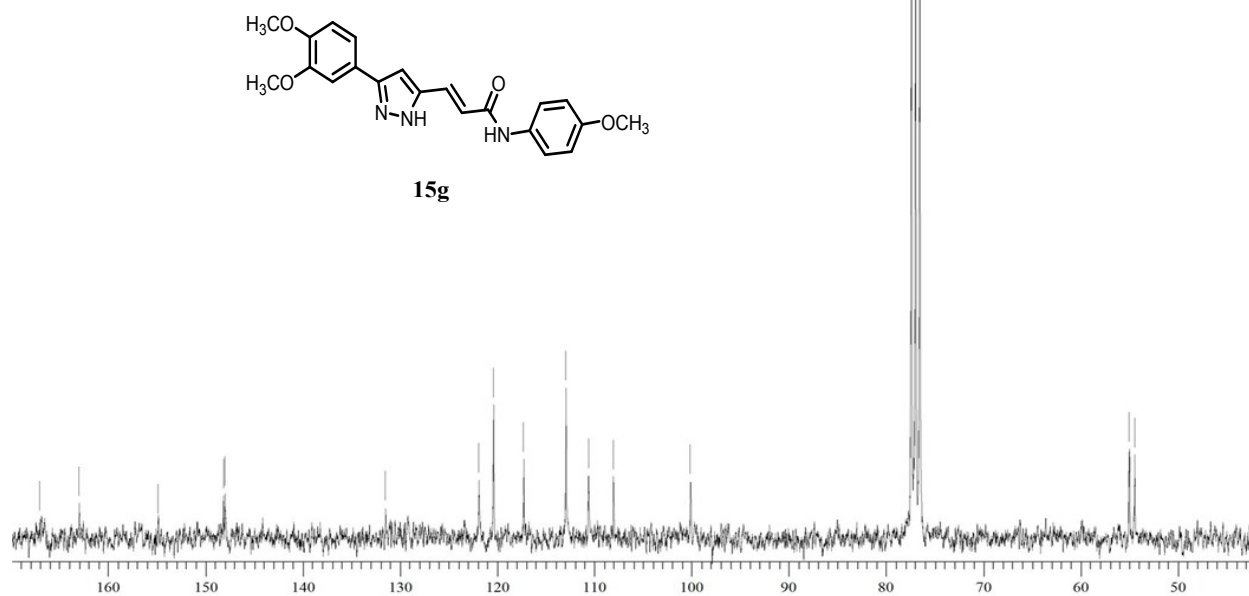
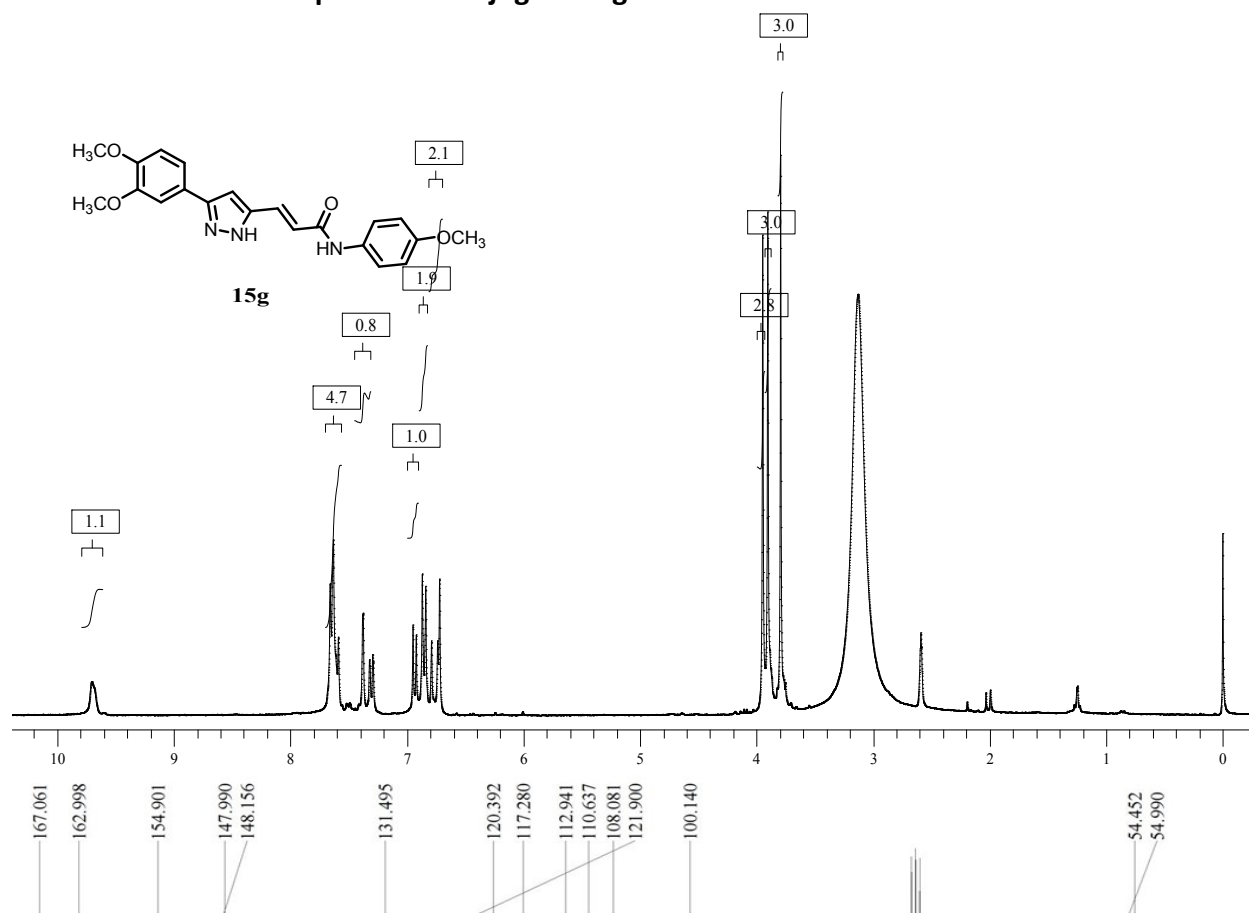
¹H NMR and ¹³C NMR spectra of conjugate 15e:



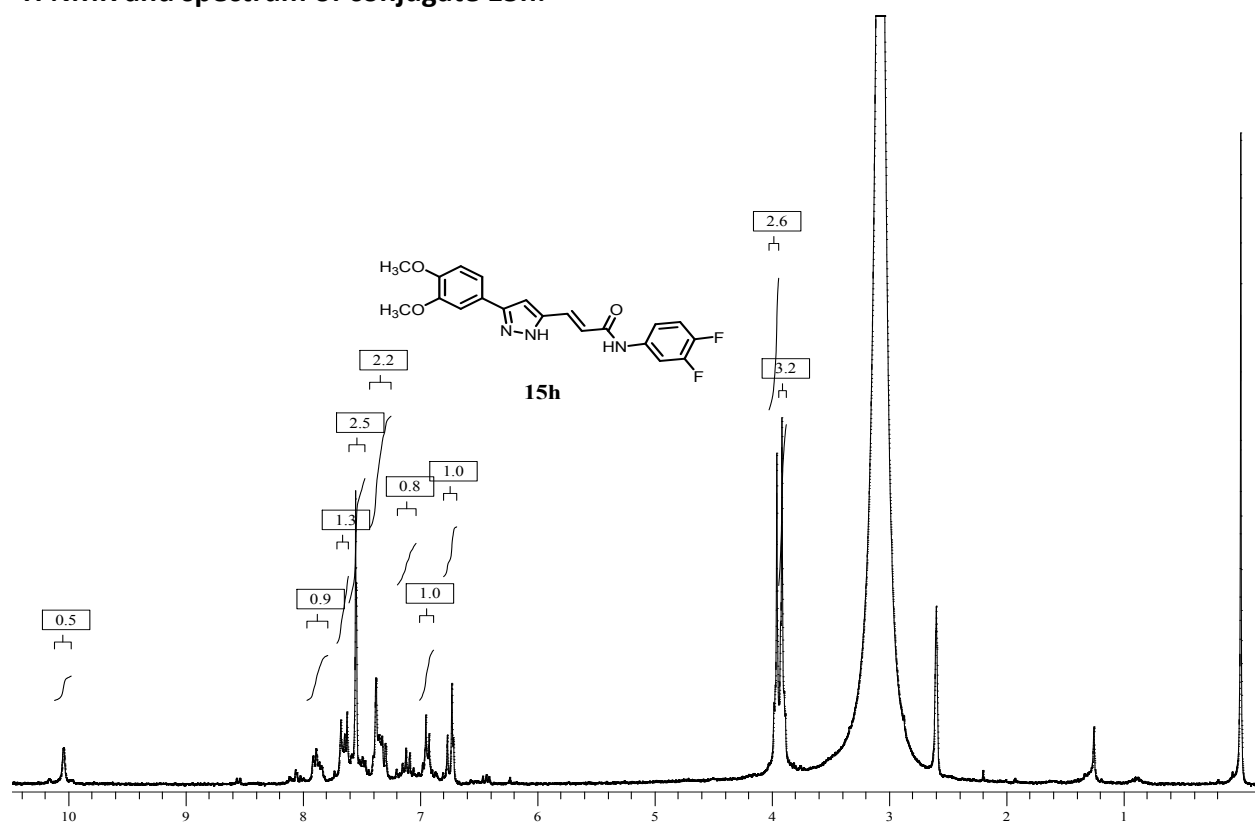
¹H NMR and ¹³C NMR spectra of conjugate 15f:



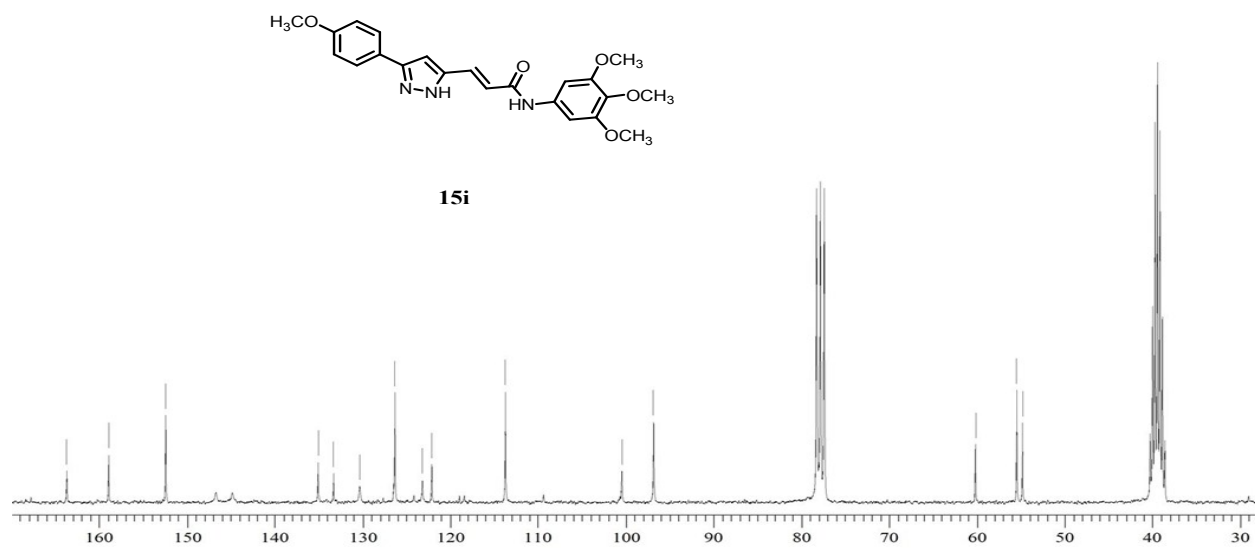
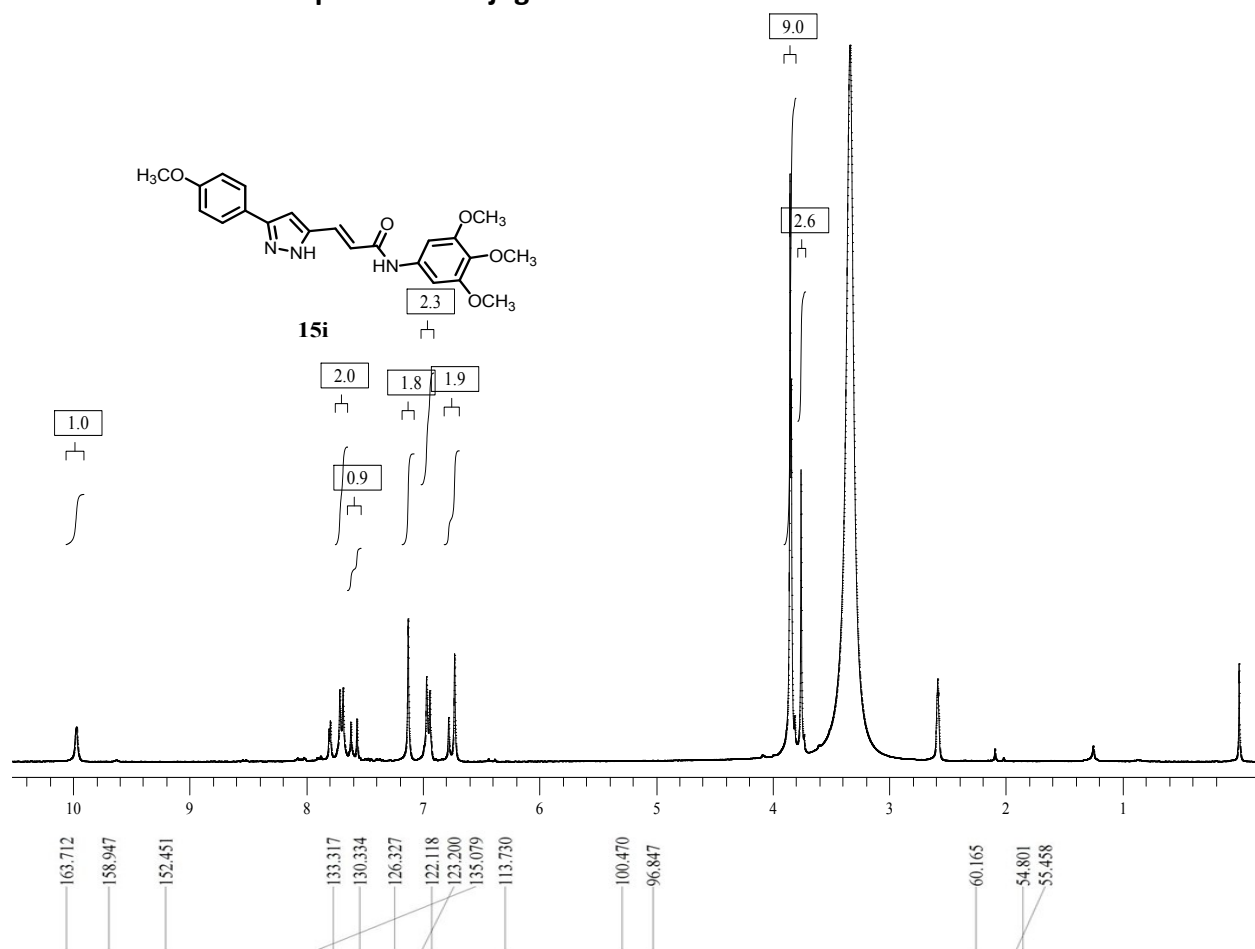
¹H NMR and ¹³C NMR spectra of conjugate 15g:



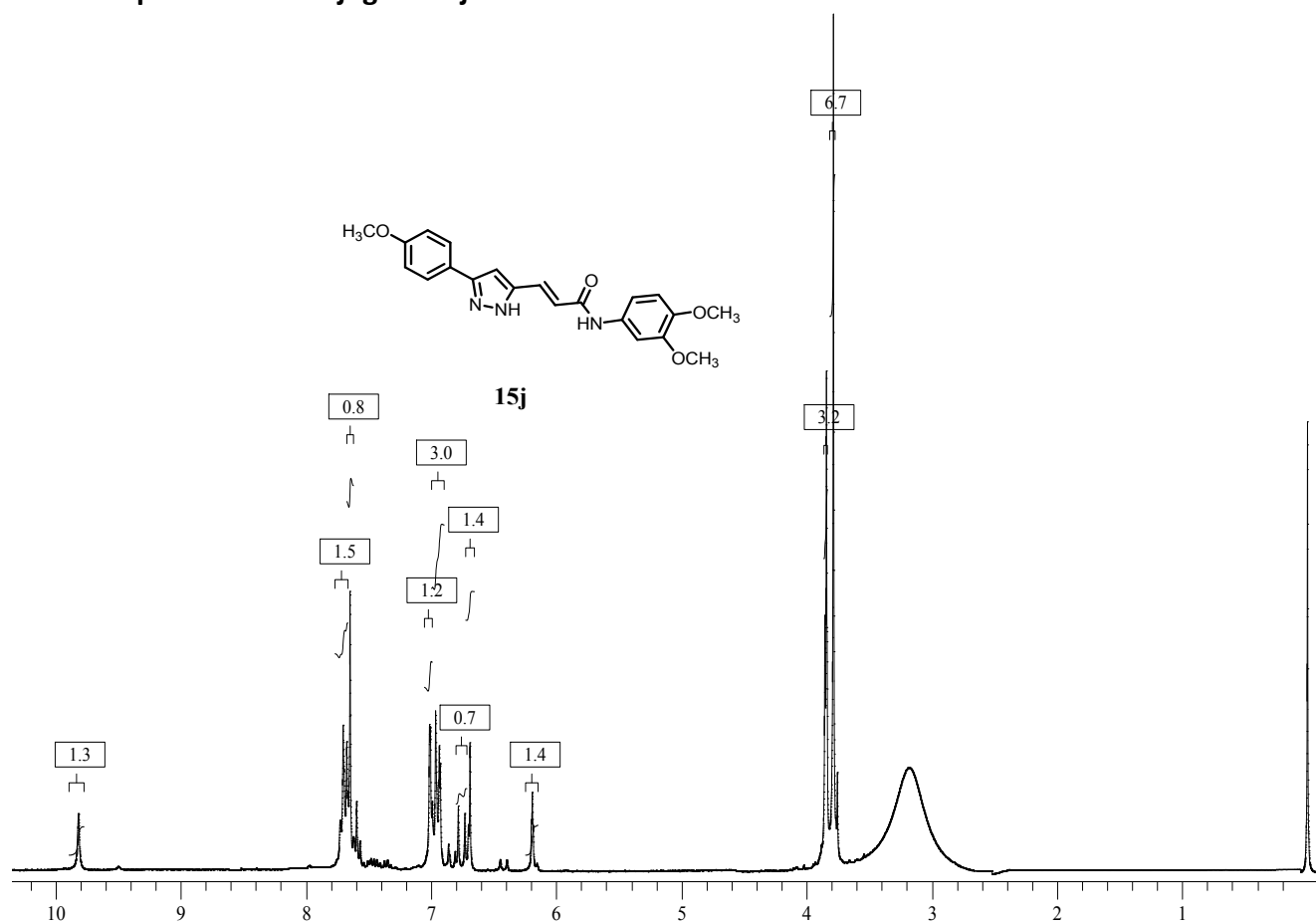
¹H NMR and spectrum of conjugate 15h:



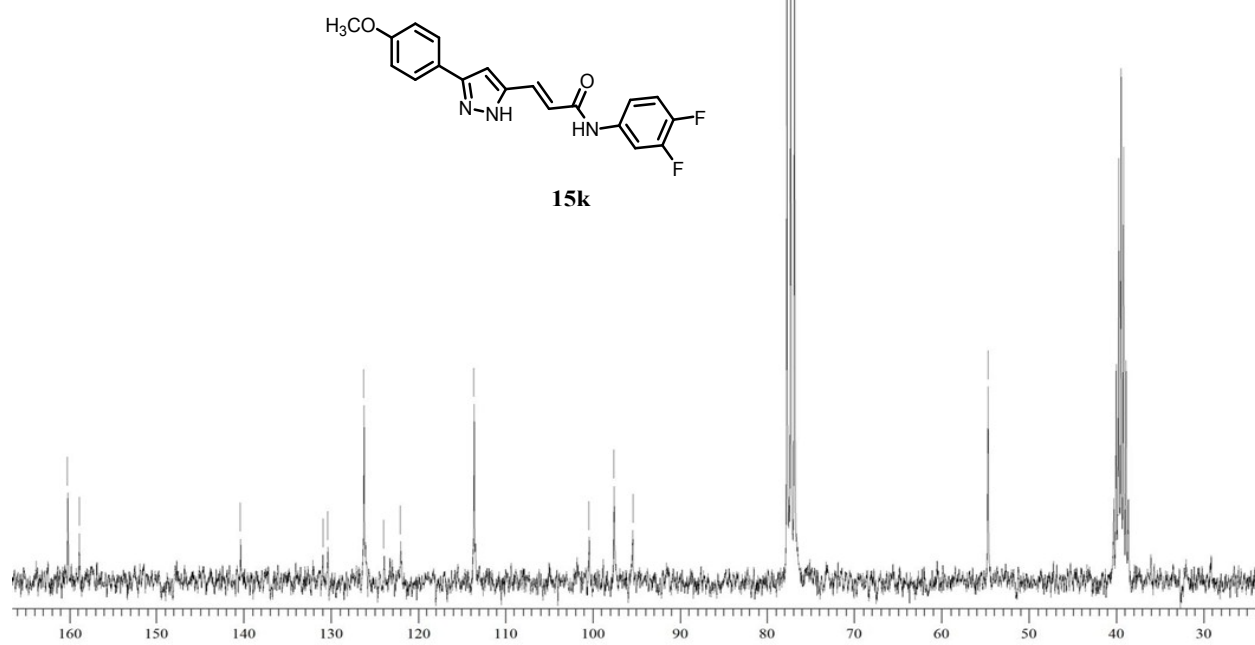
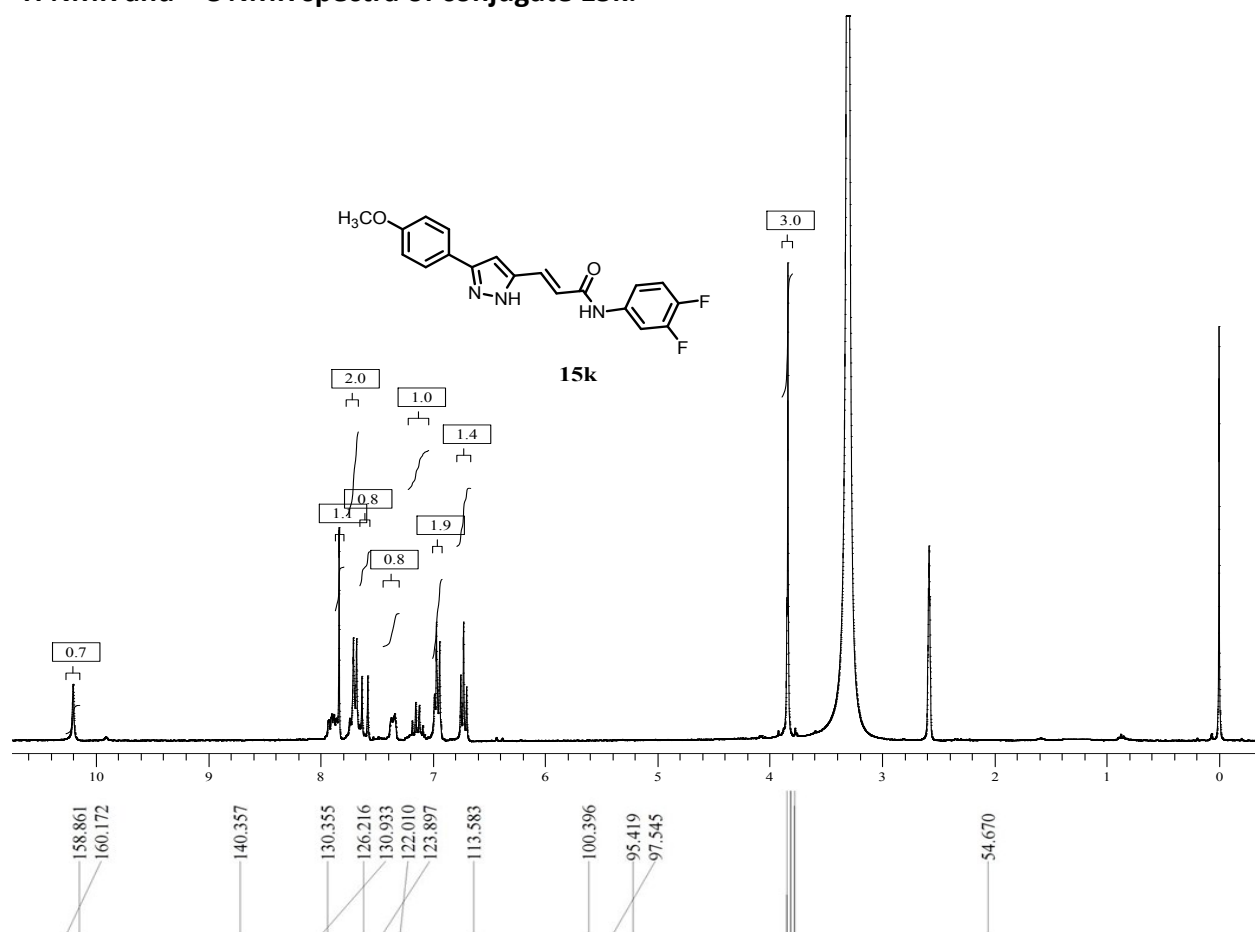
¹H NMR and ¹³C NMR spectra of conjugate 15i:



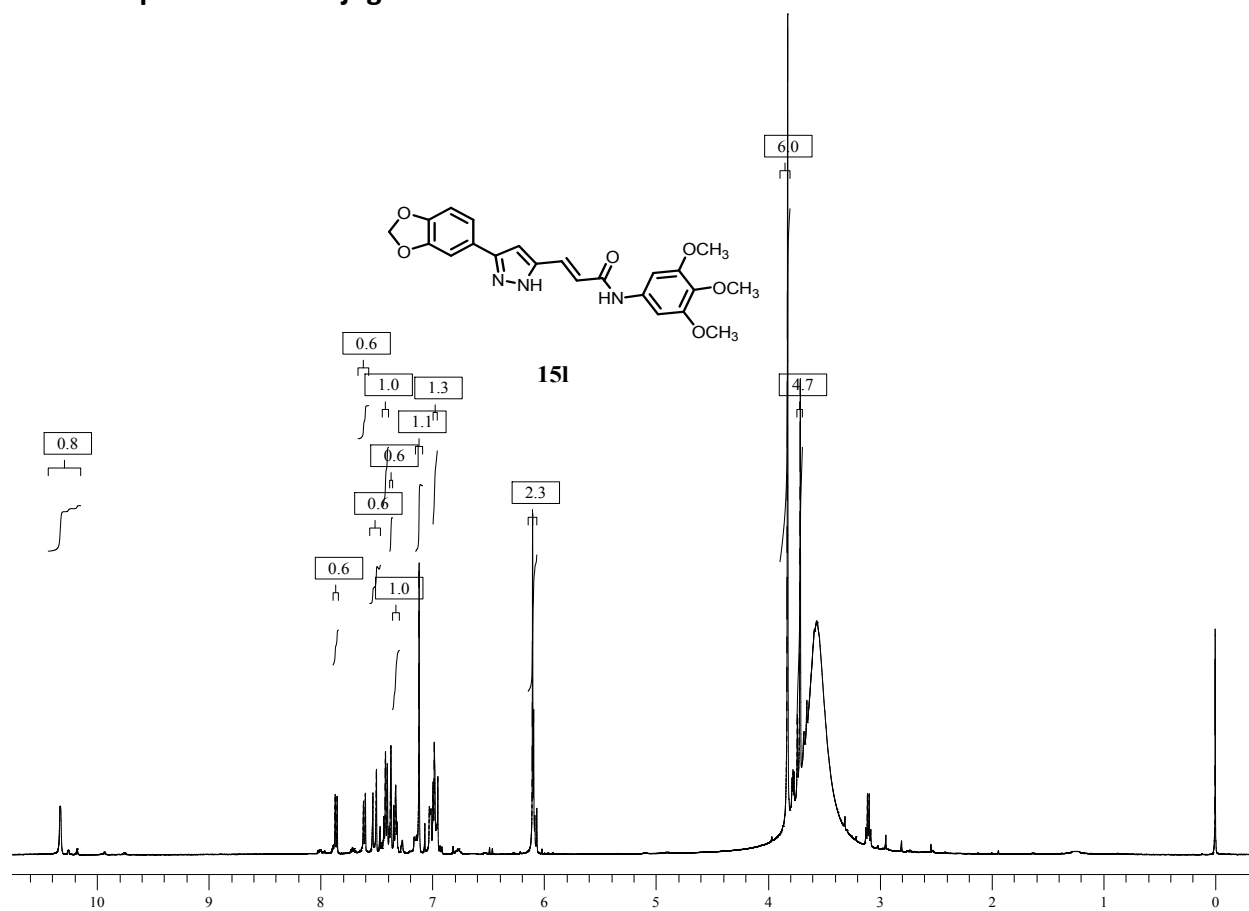
¹H NMR spectrum of conjugate 15j:



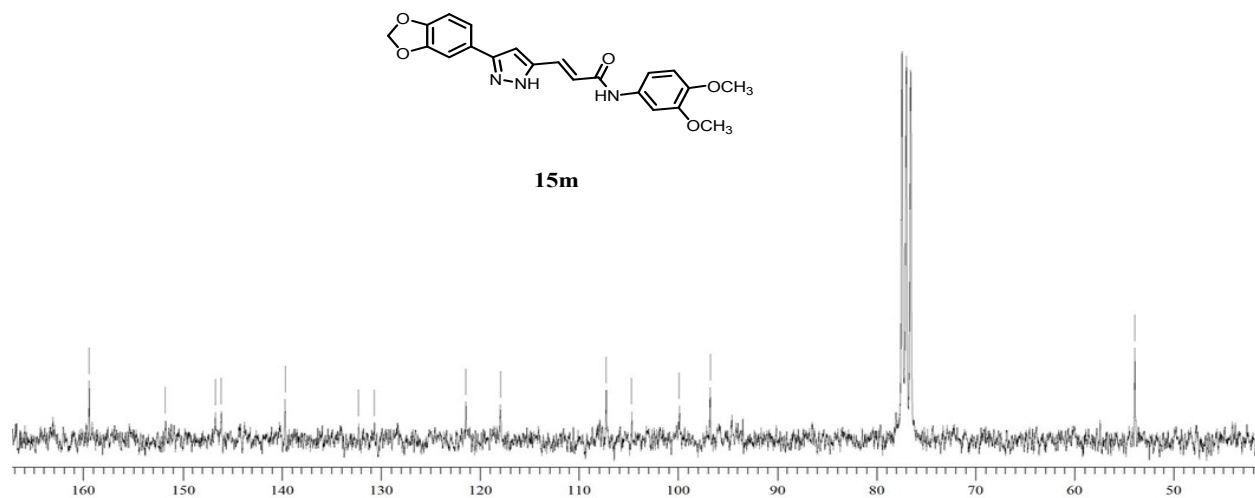
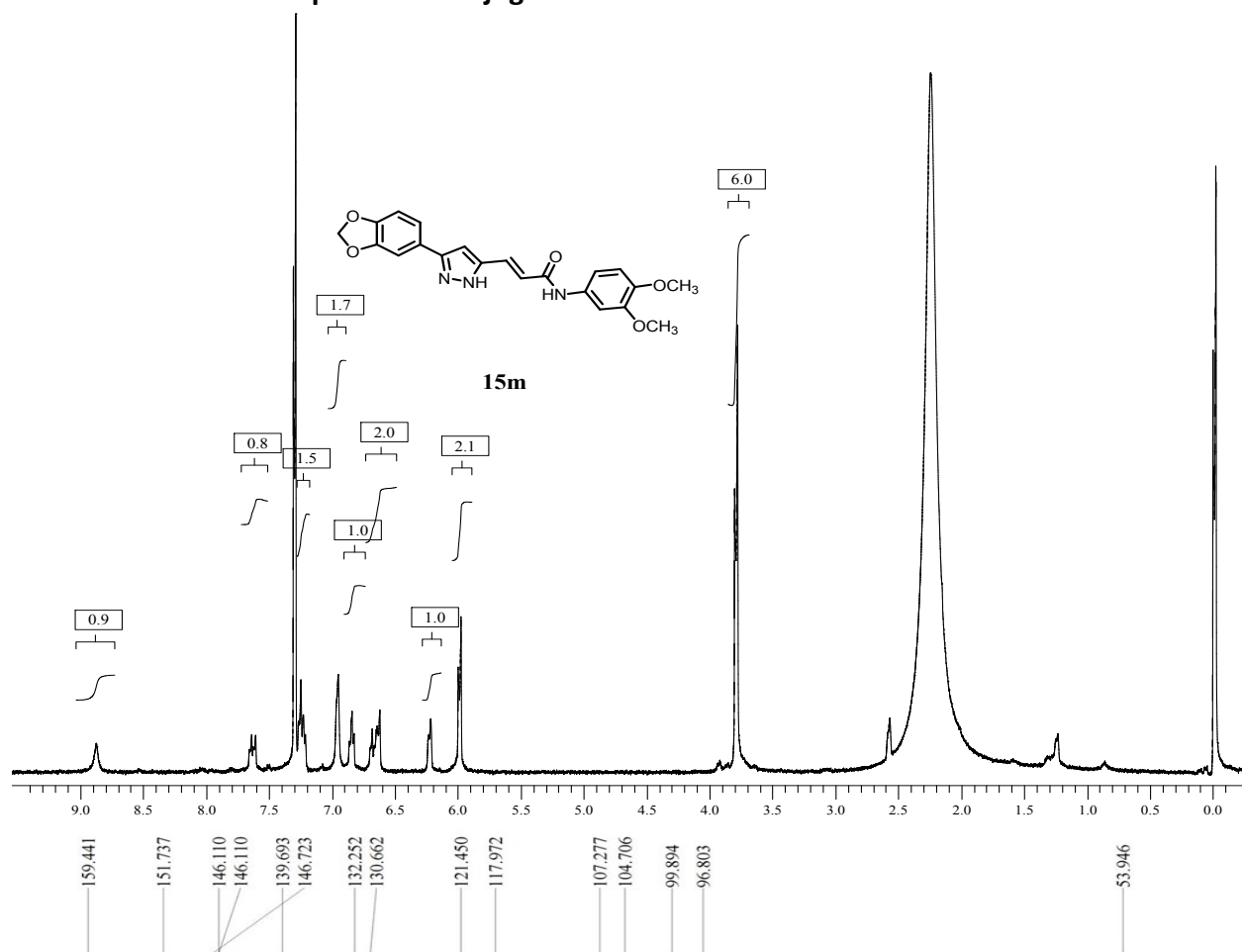
¹H NMR and ¹³C NMR spectra of conjugate 15k:



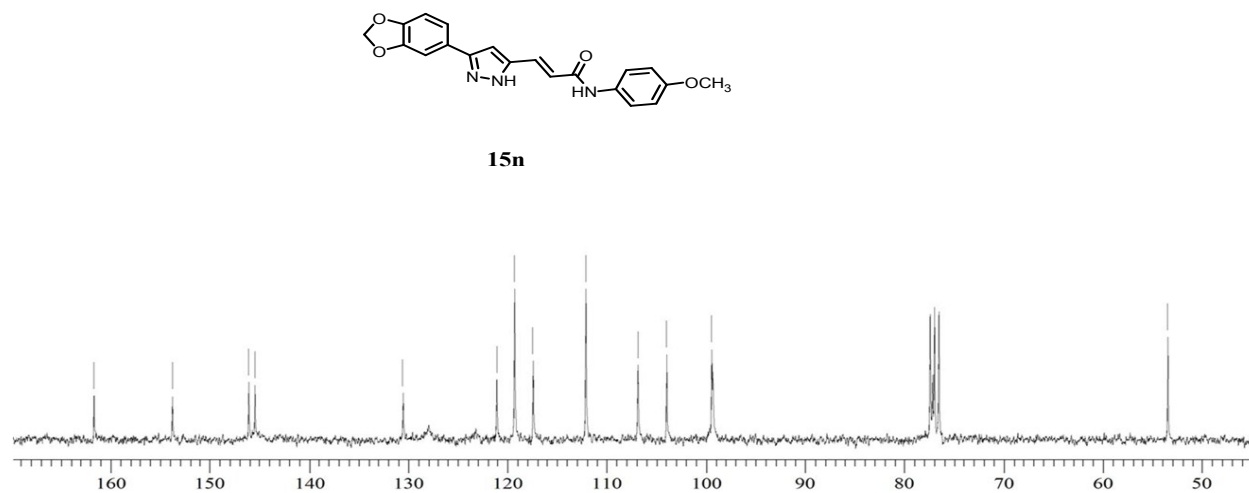
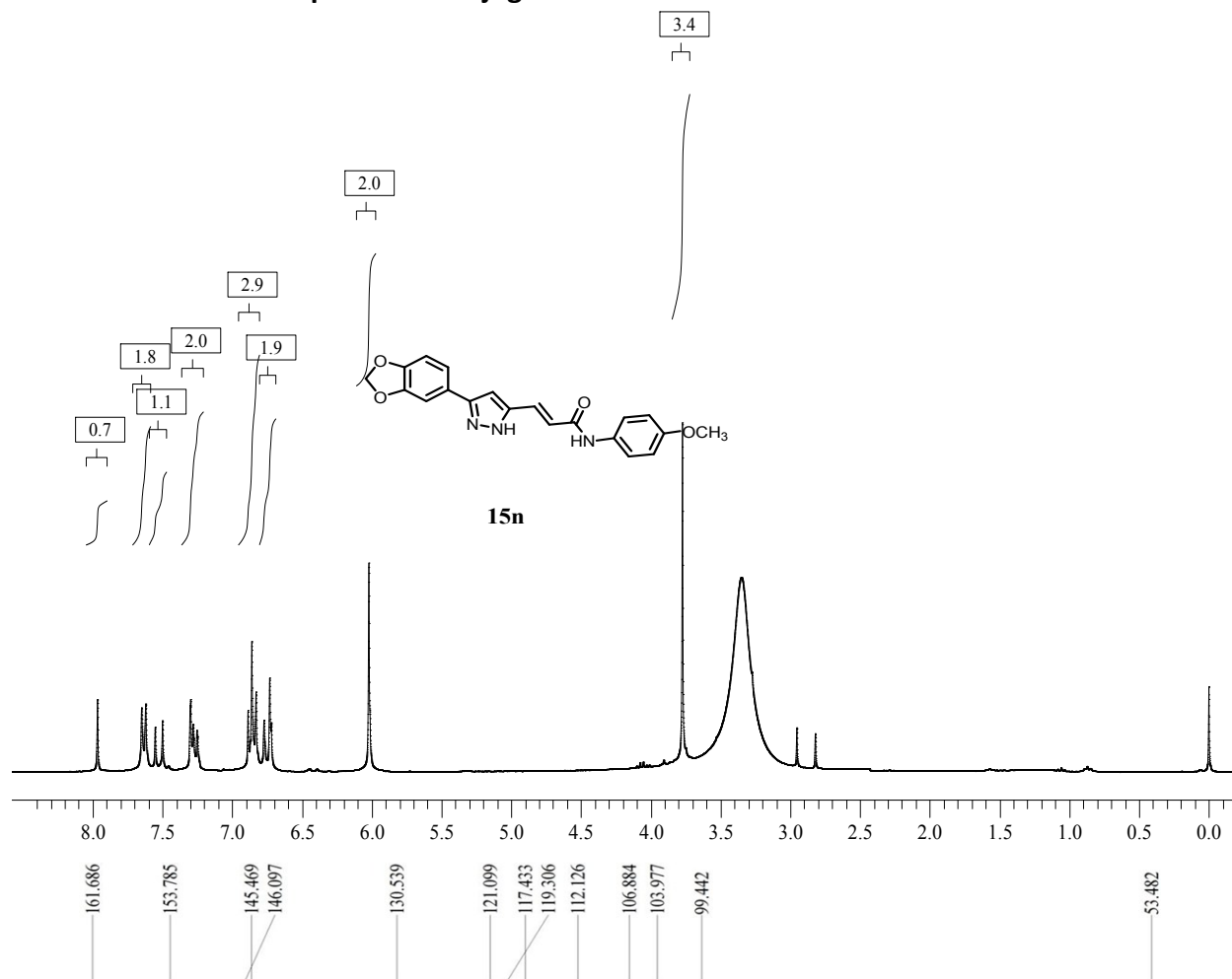
¹H NMR Spectrum of conjugate 15I:



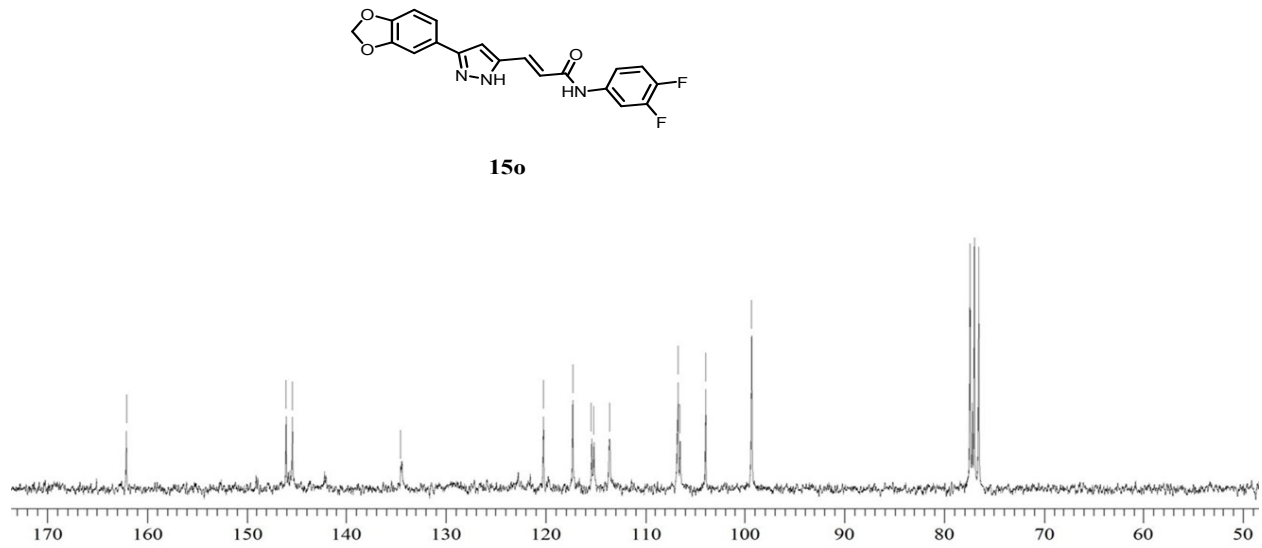
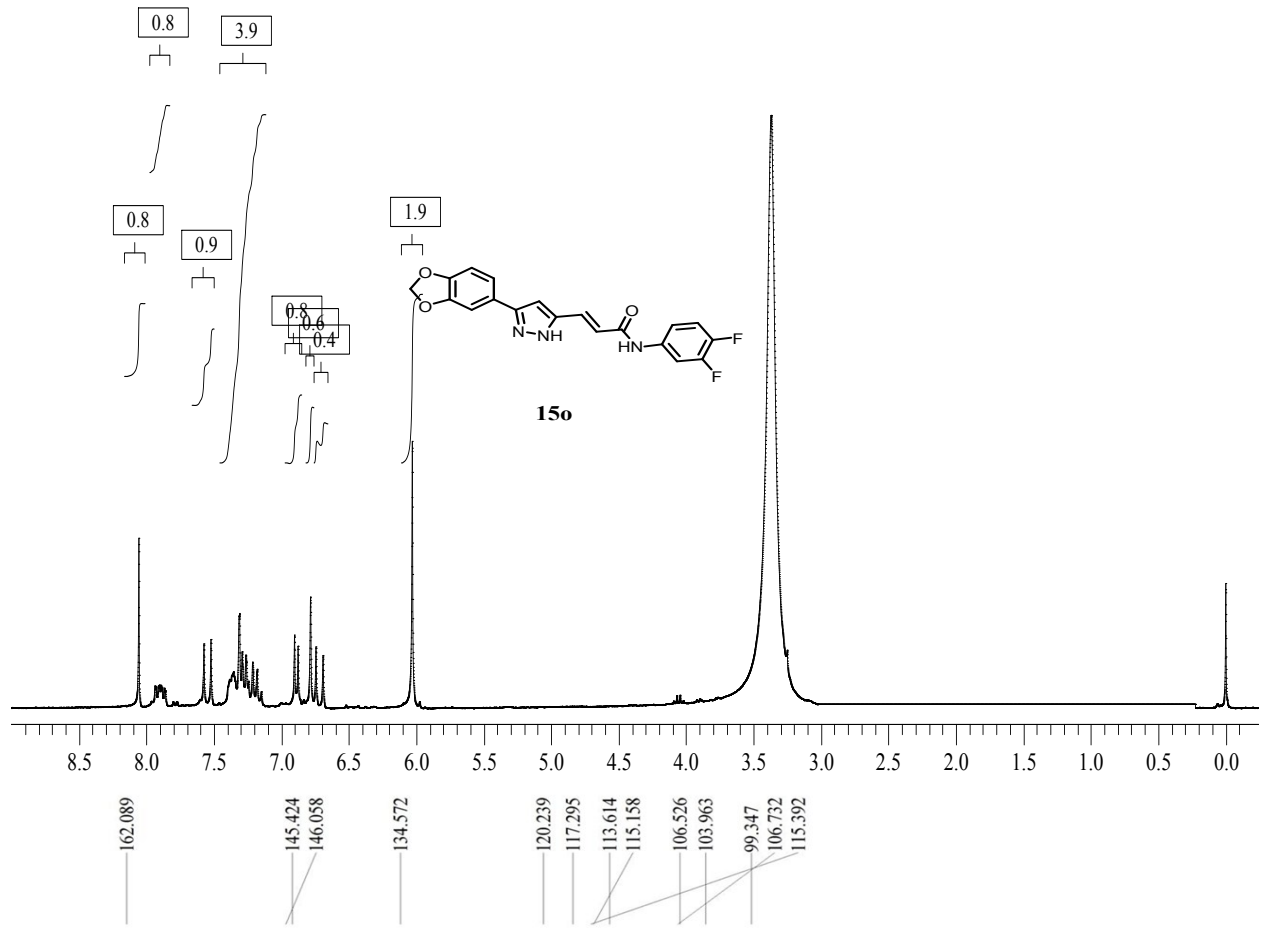
^1H NMR and ^{13}C NMR spectra of conjugate 15m:



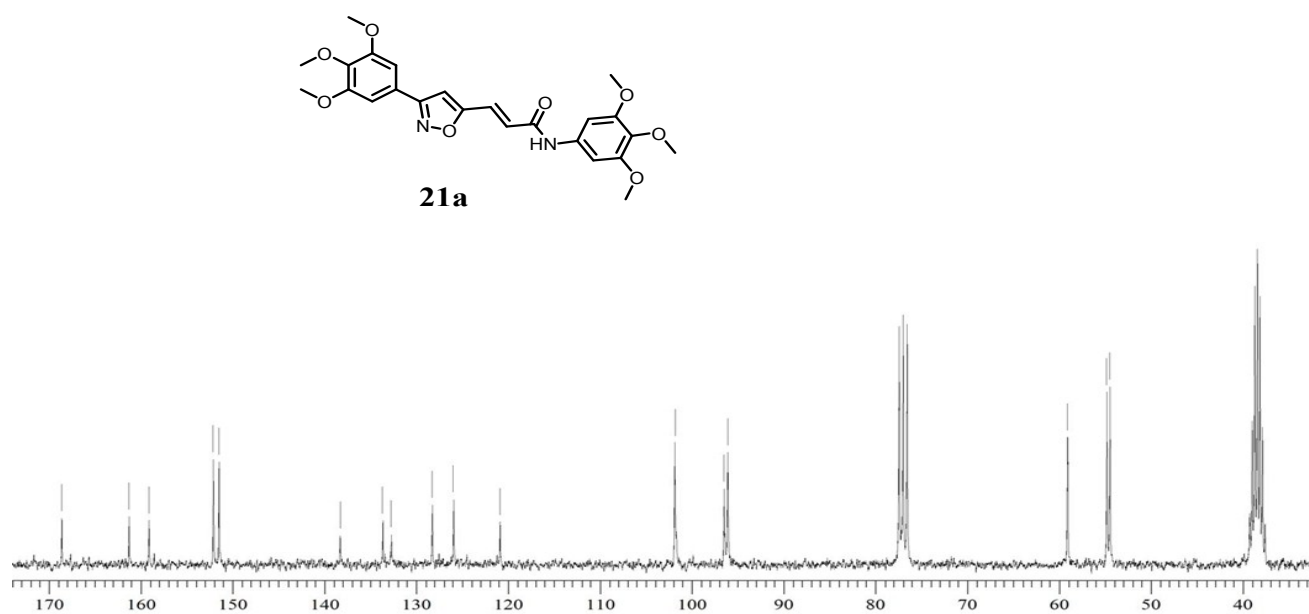
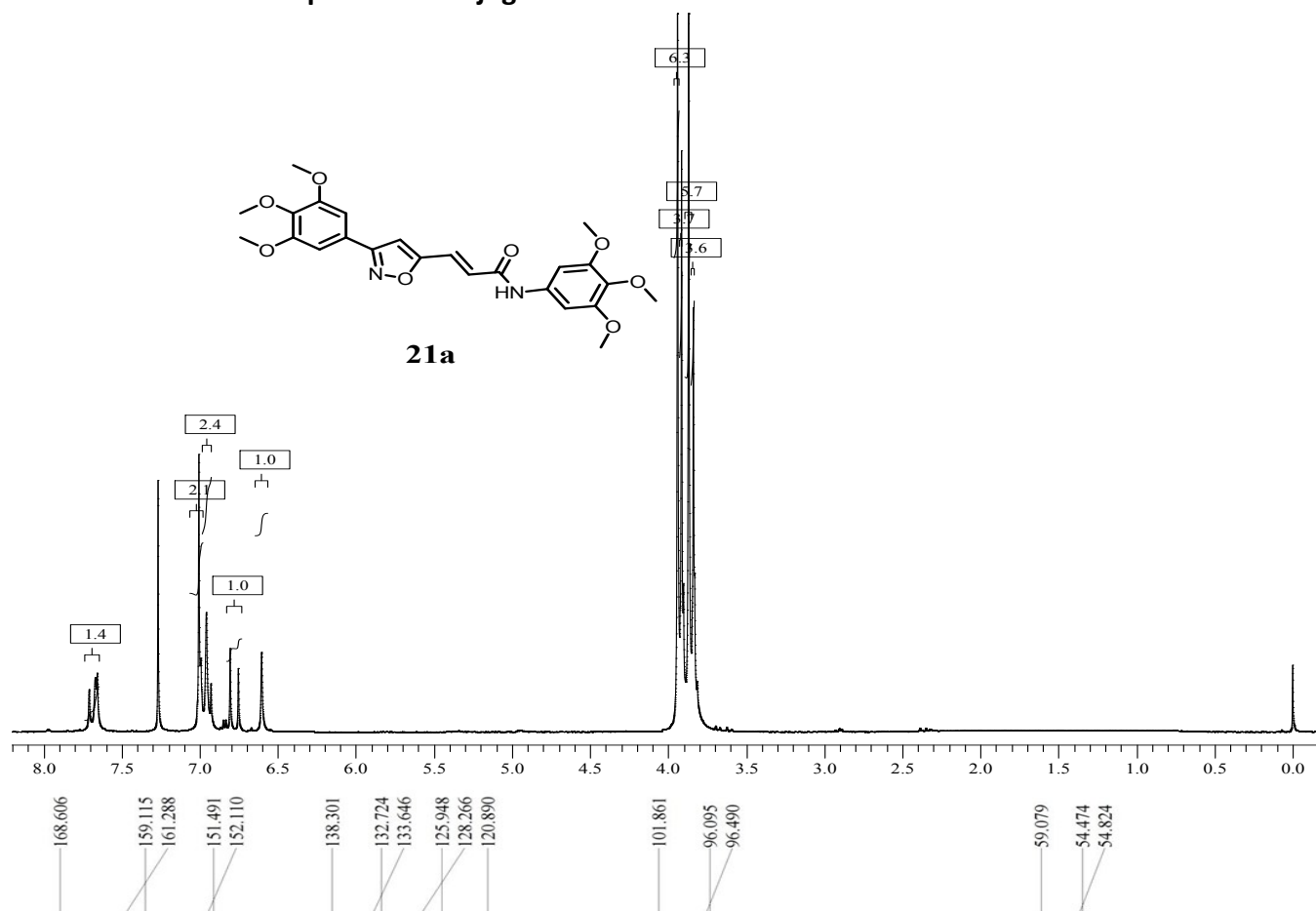
¹H NMR and ¹³C NMR spectra of conjugate 15n:



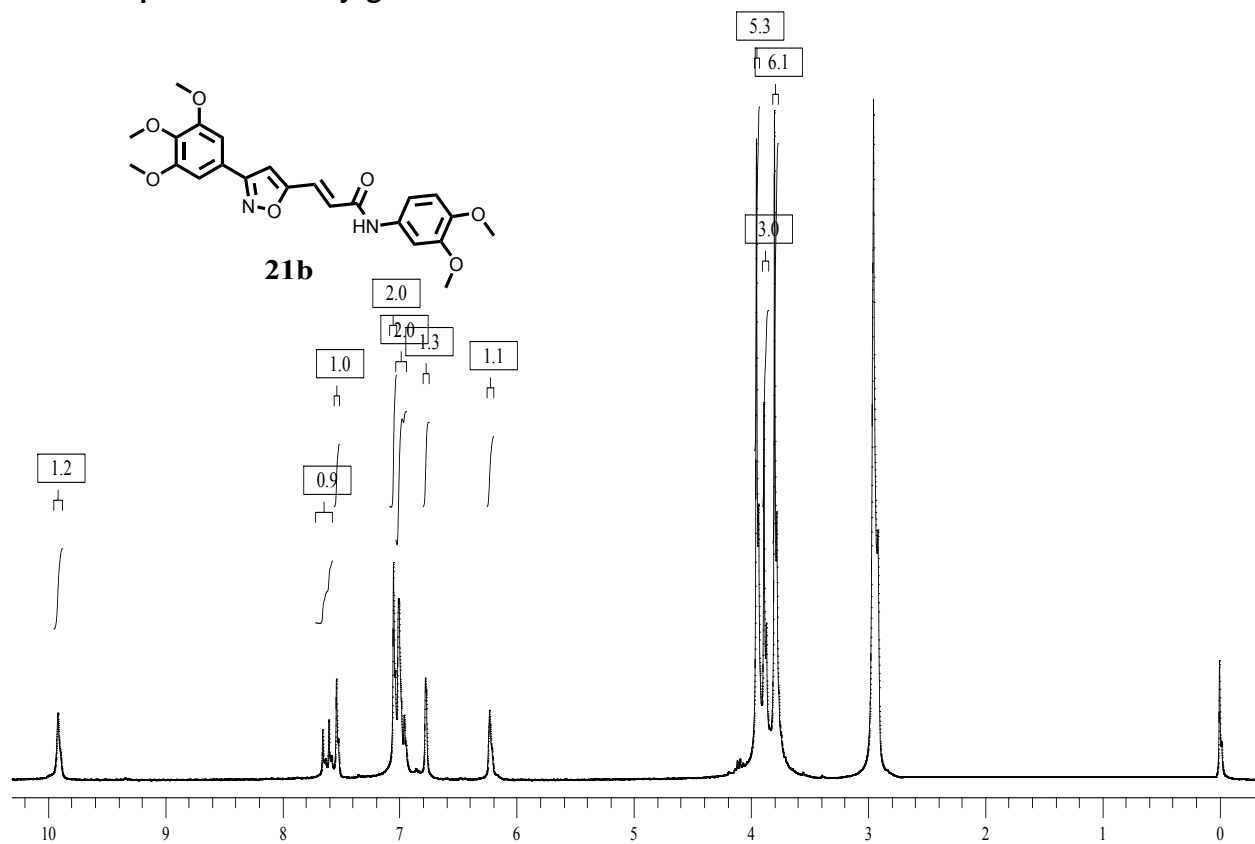
¹H NMR and ¹³C NMR spectra of conjugate 15o:



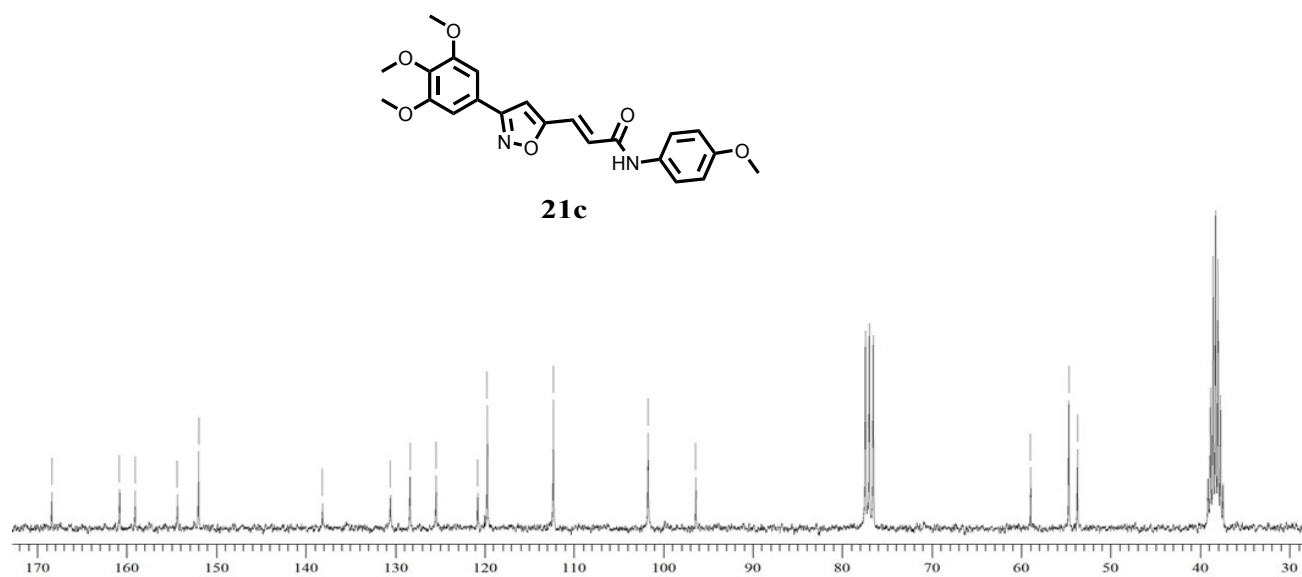
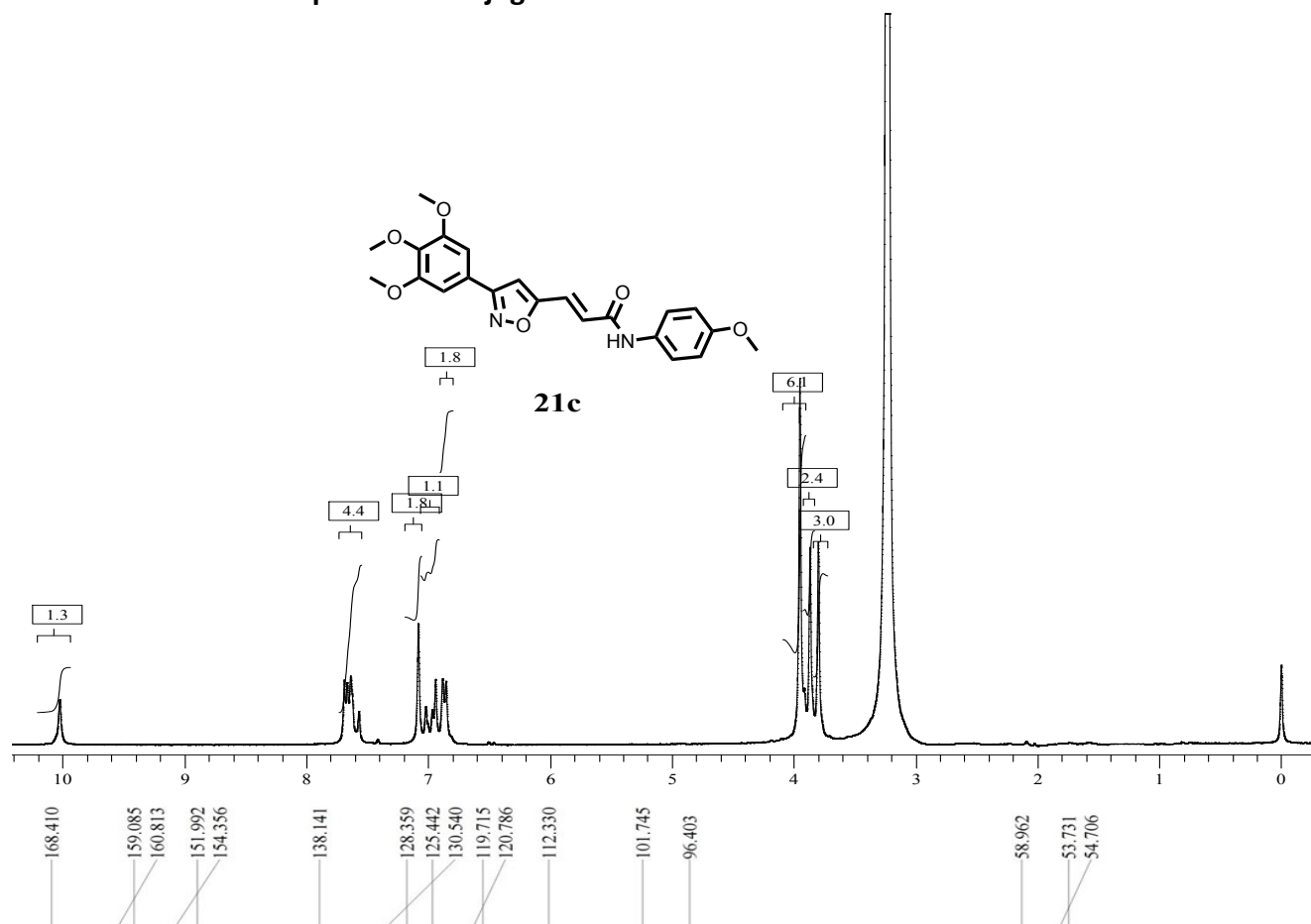
¹H NMR and ¹³C NMR spectra of conjugate 21a:



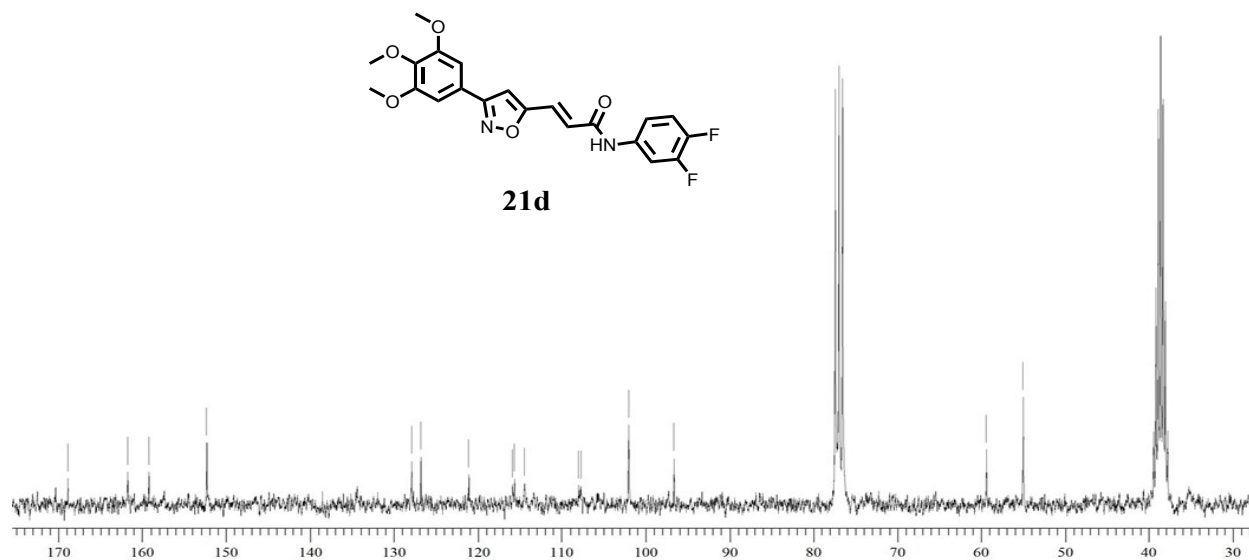
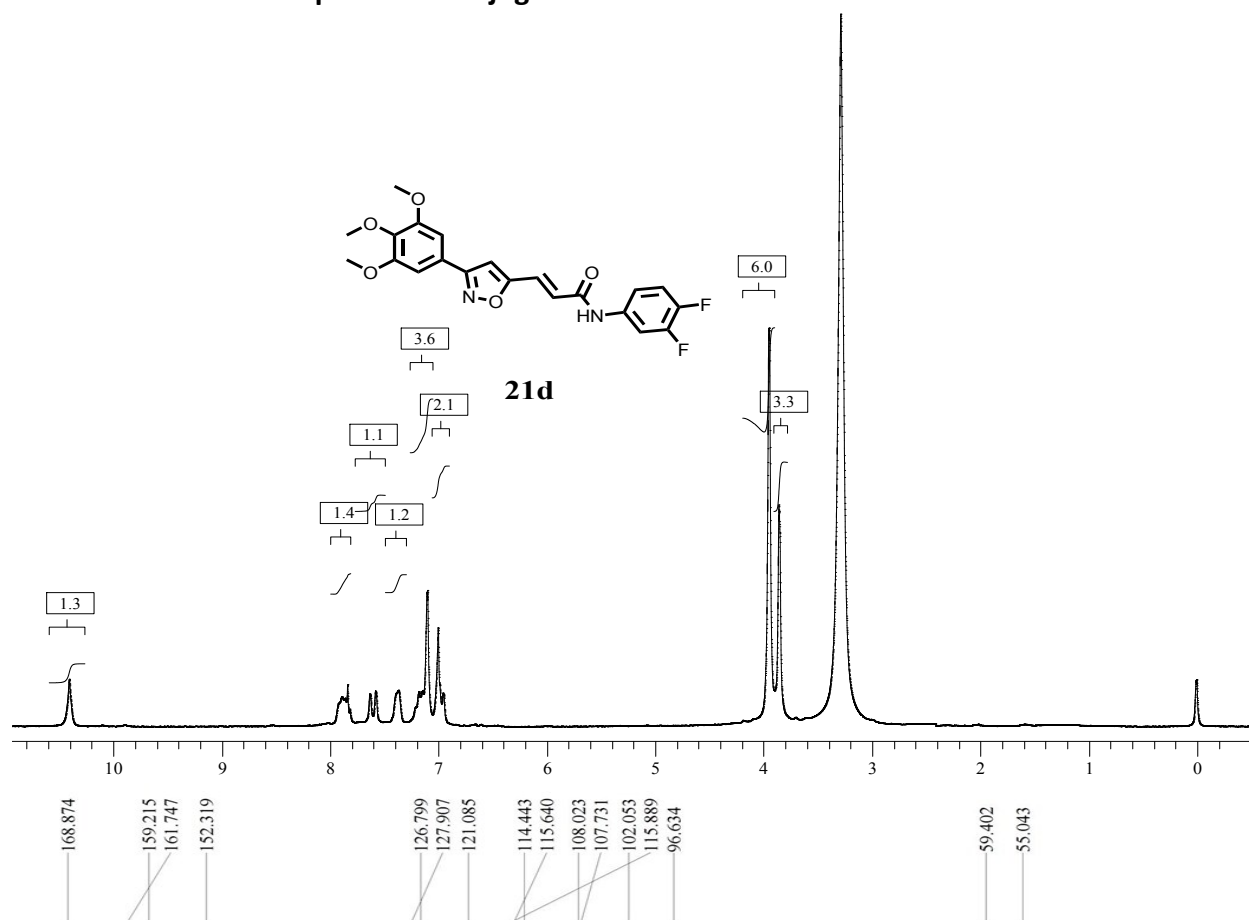
¹H NMR Spectrum of conjugate 21b:



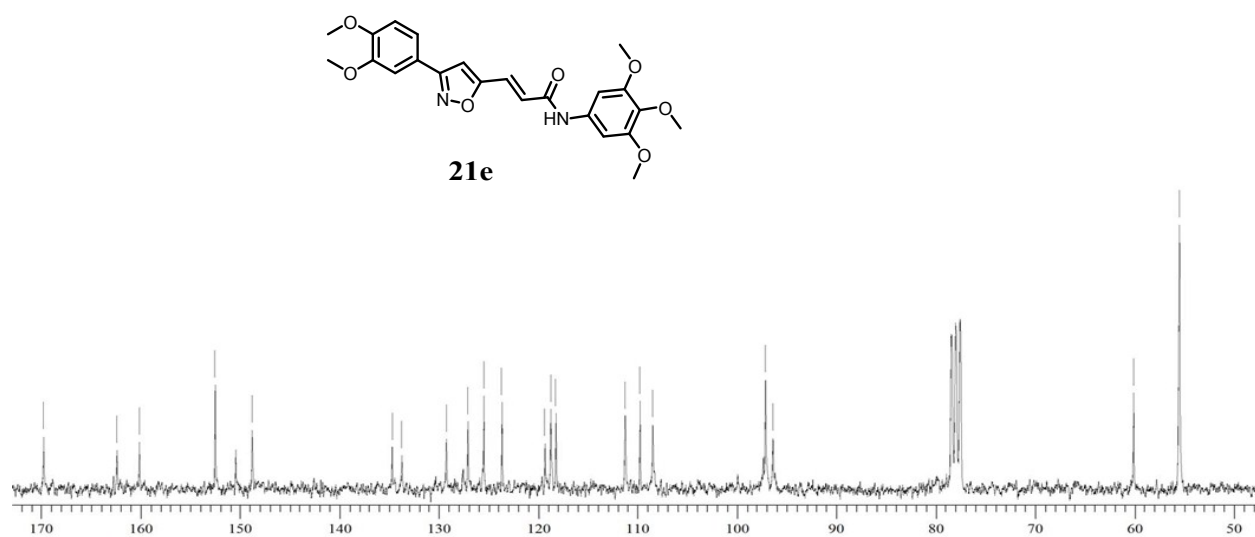
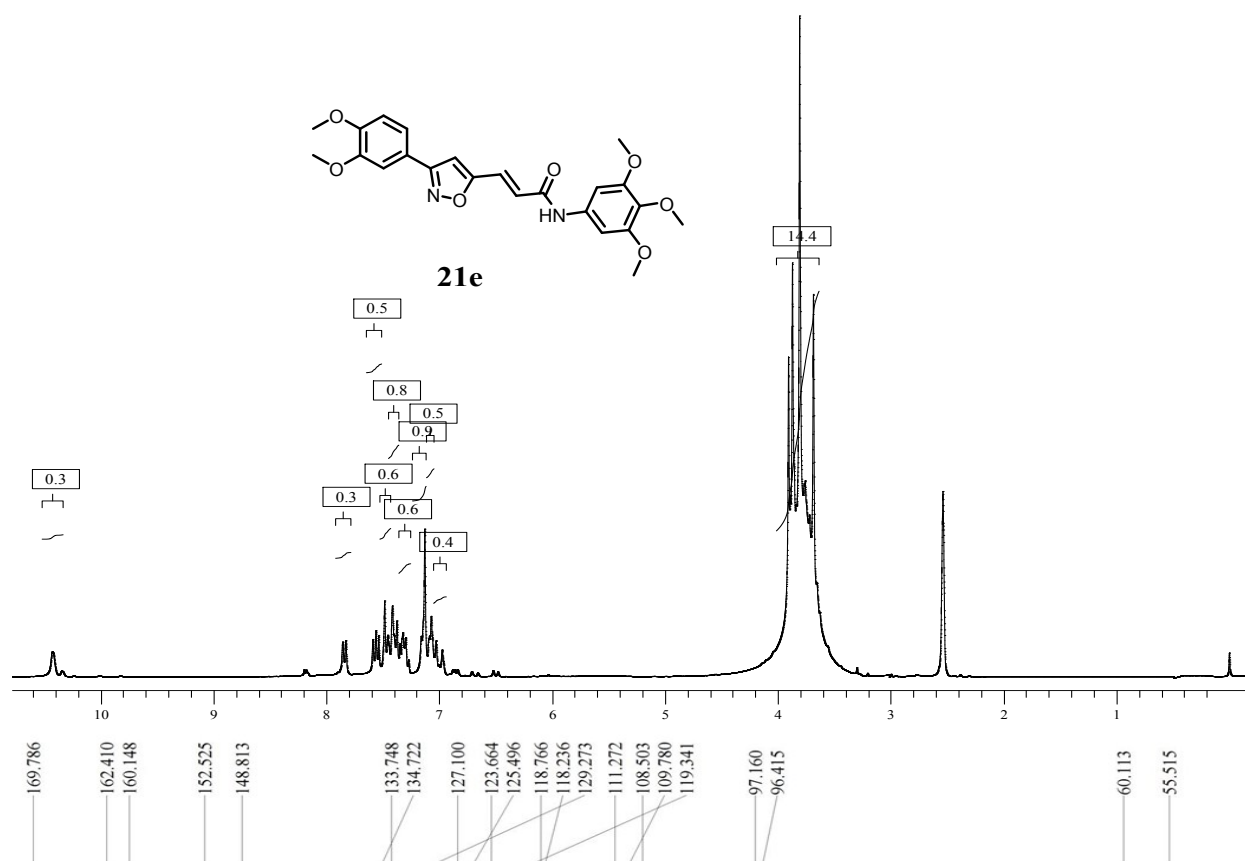
¹H NMR and ¹³C NMR spectra of conjugate 21c:



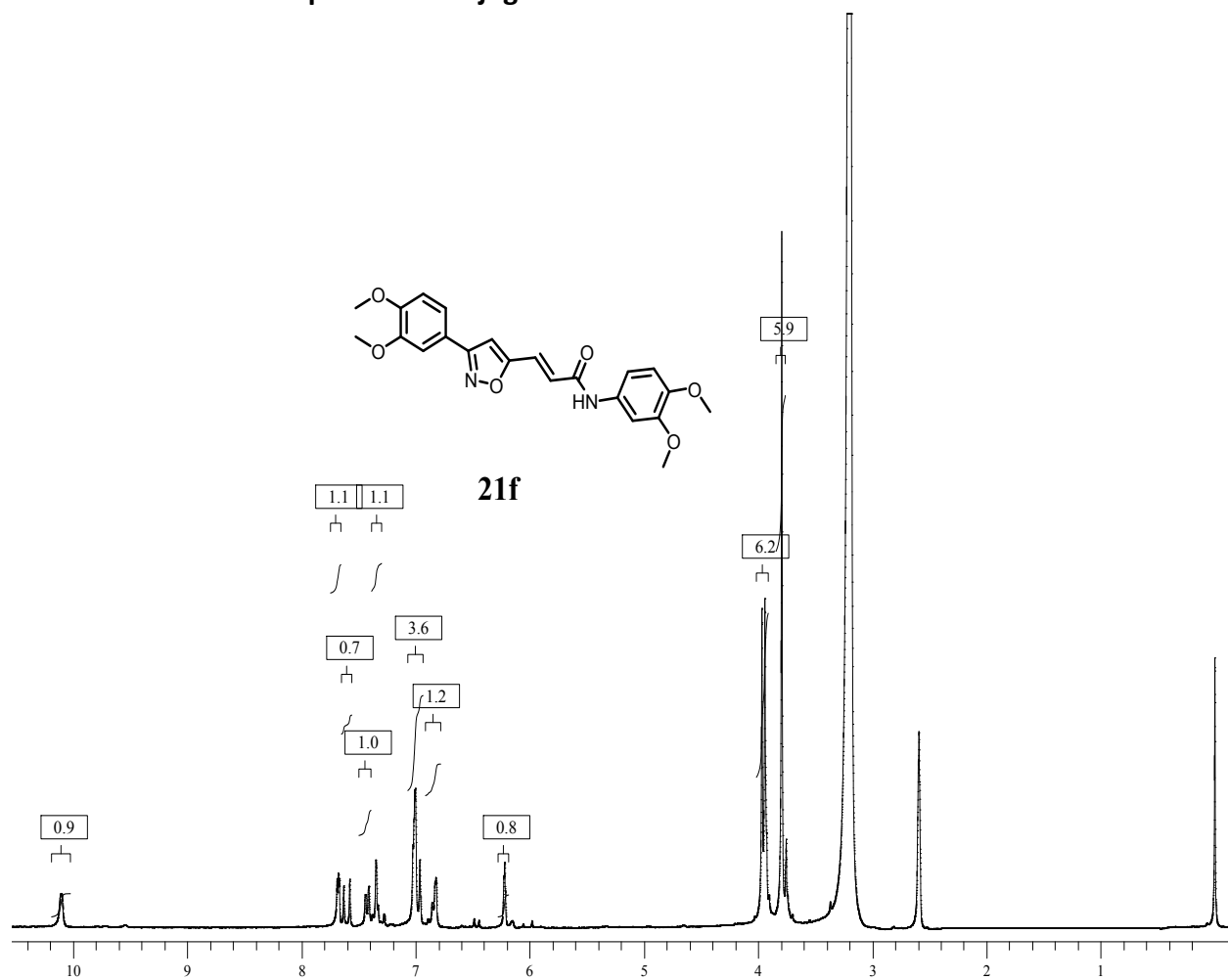
¹H NMR and ¹³C NMR spectra of conjugate 21d:



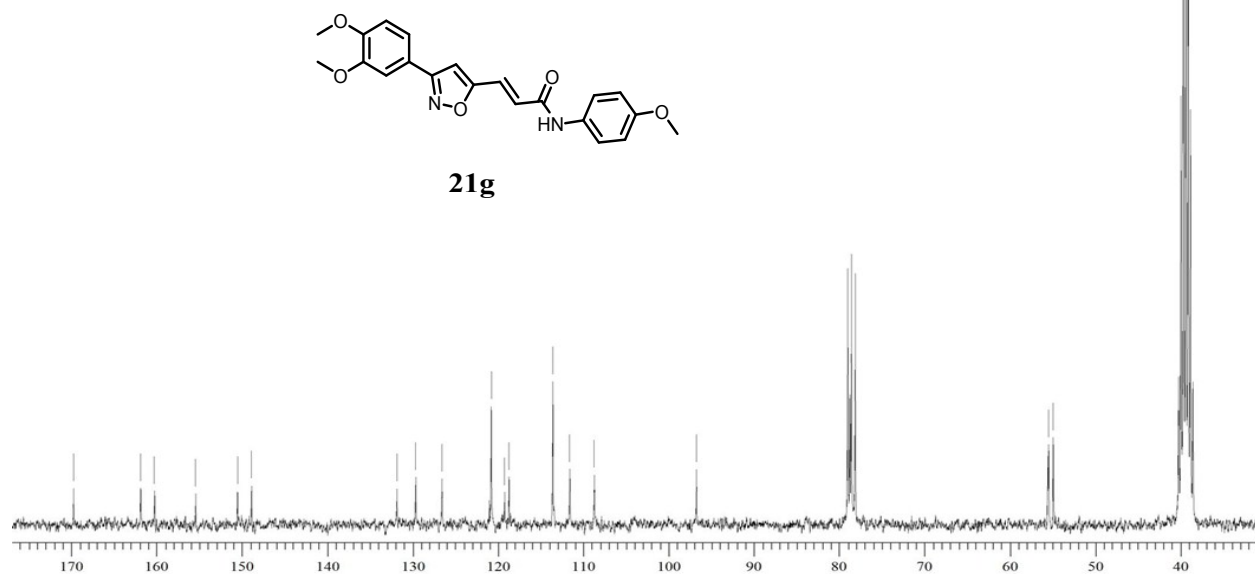
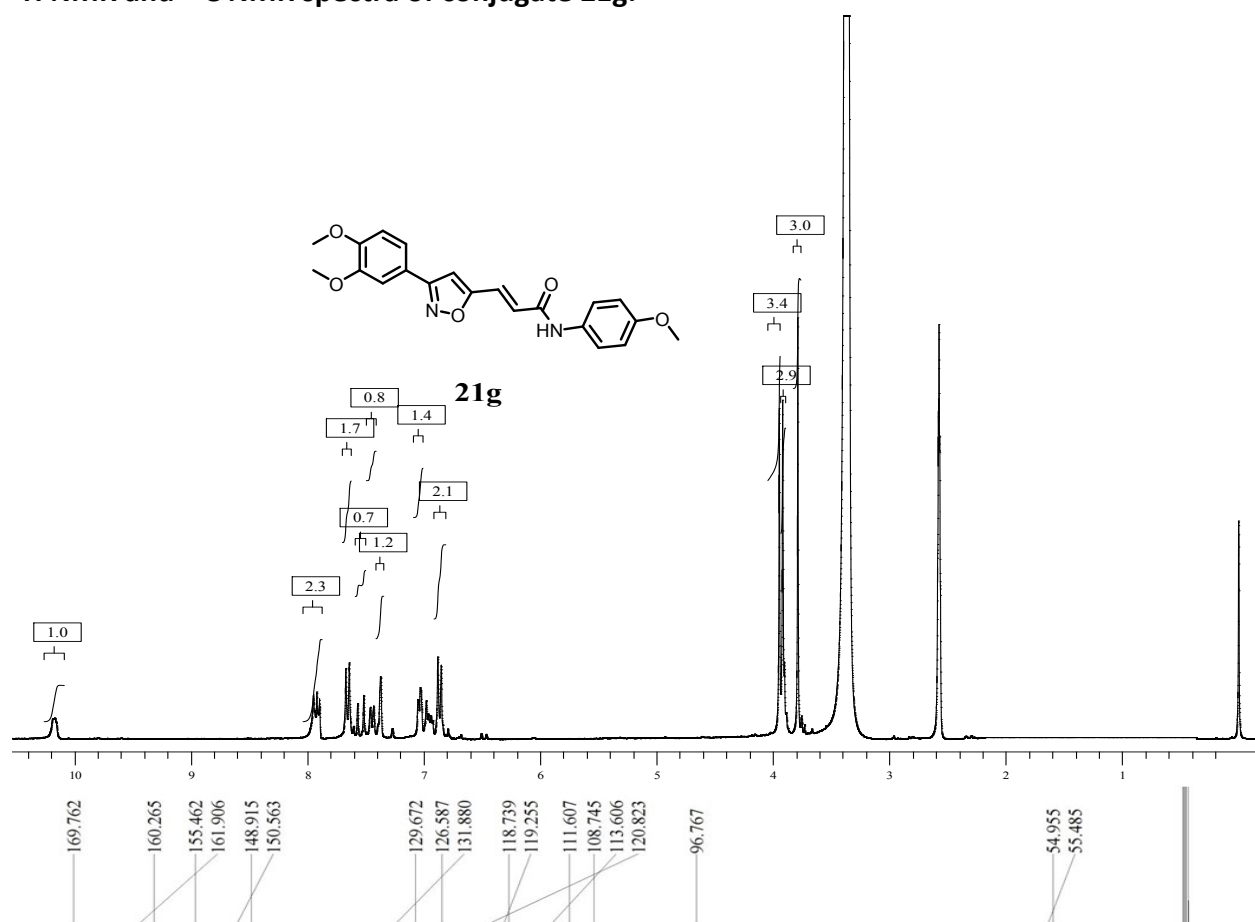
¹H NMR and ¹³C NMR spectra of conjugate 21e:



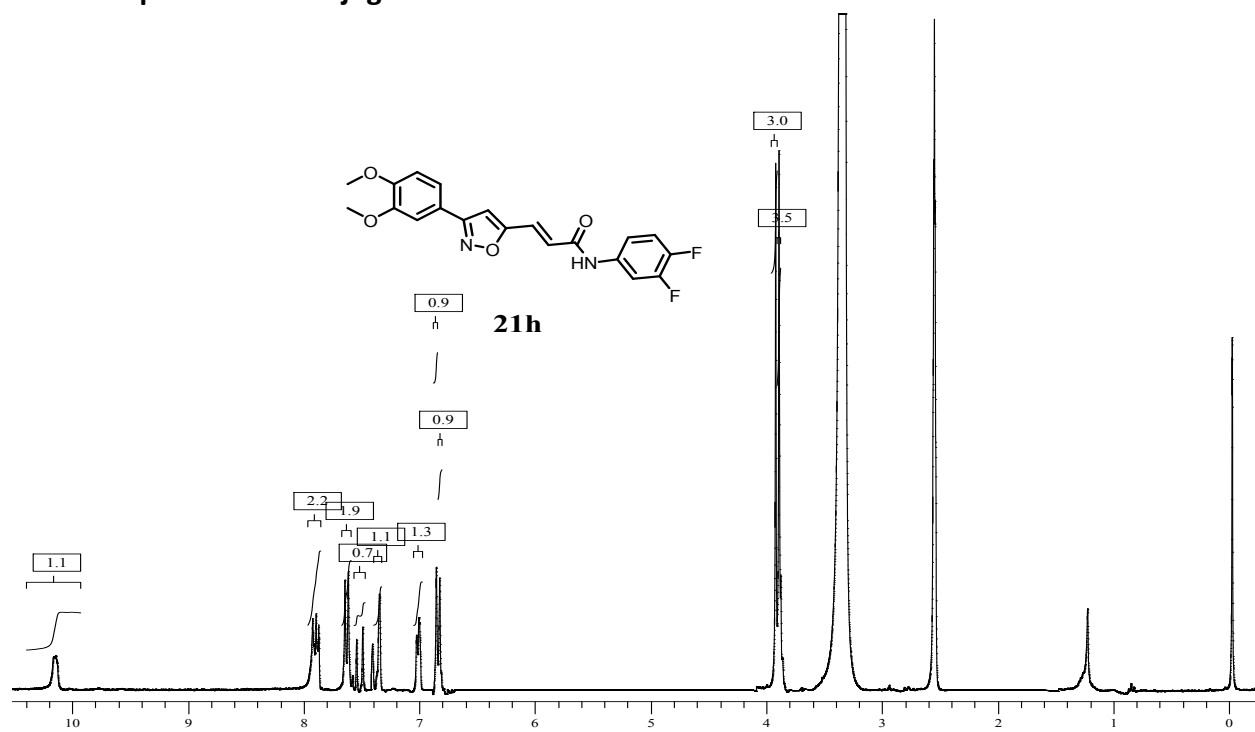
^1H NMR and ^{13}C NMR spectra of conjugate 21f:



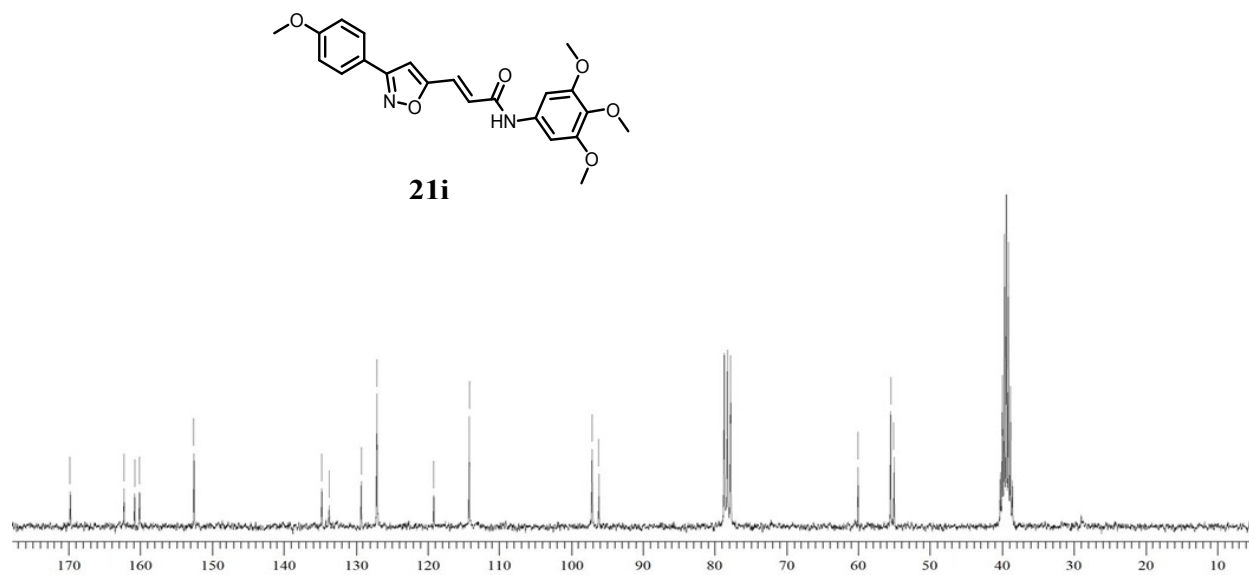
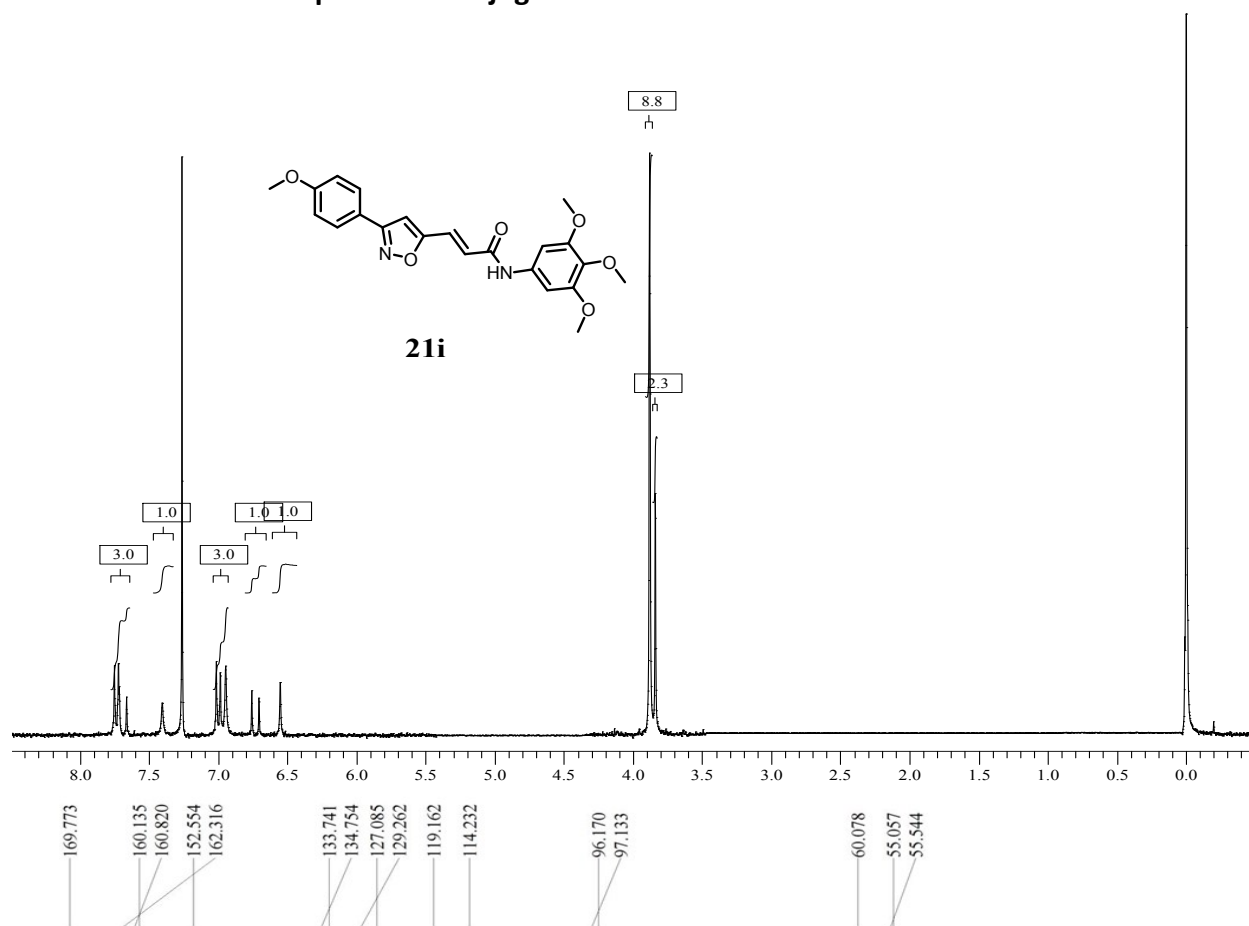
¹H NMR and ¹³C NMR spectra of conjugate 21g:



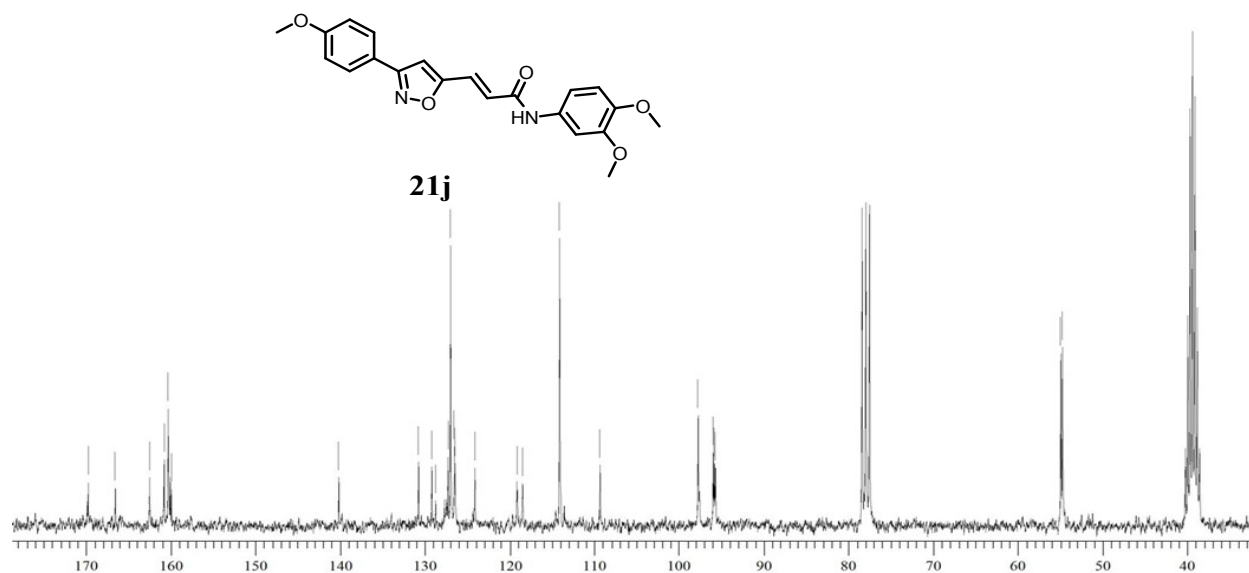
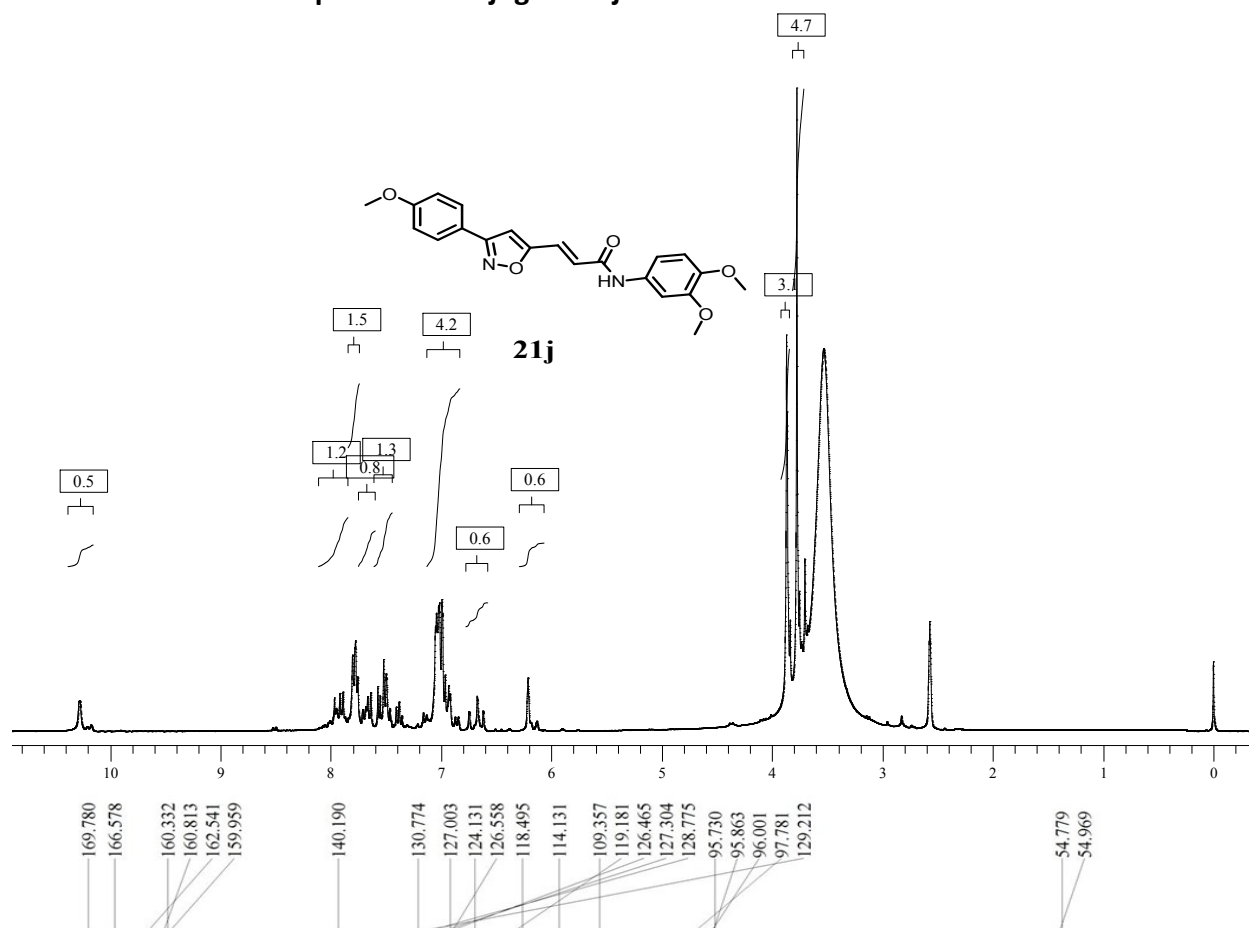
¹H NMR Spectrum of conjugate 21h:



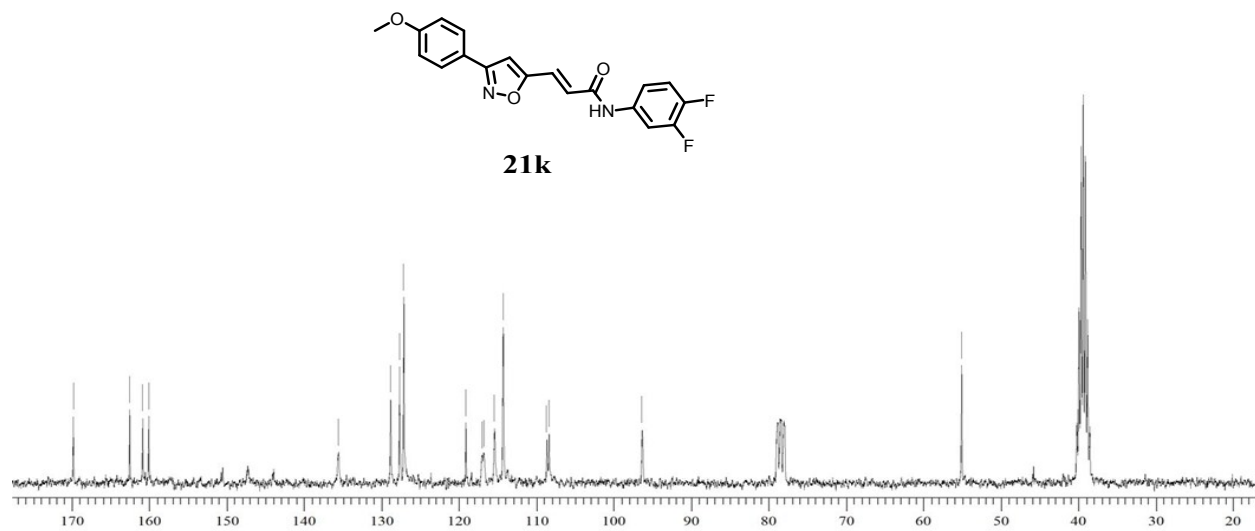
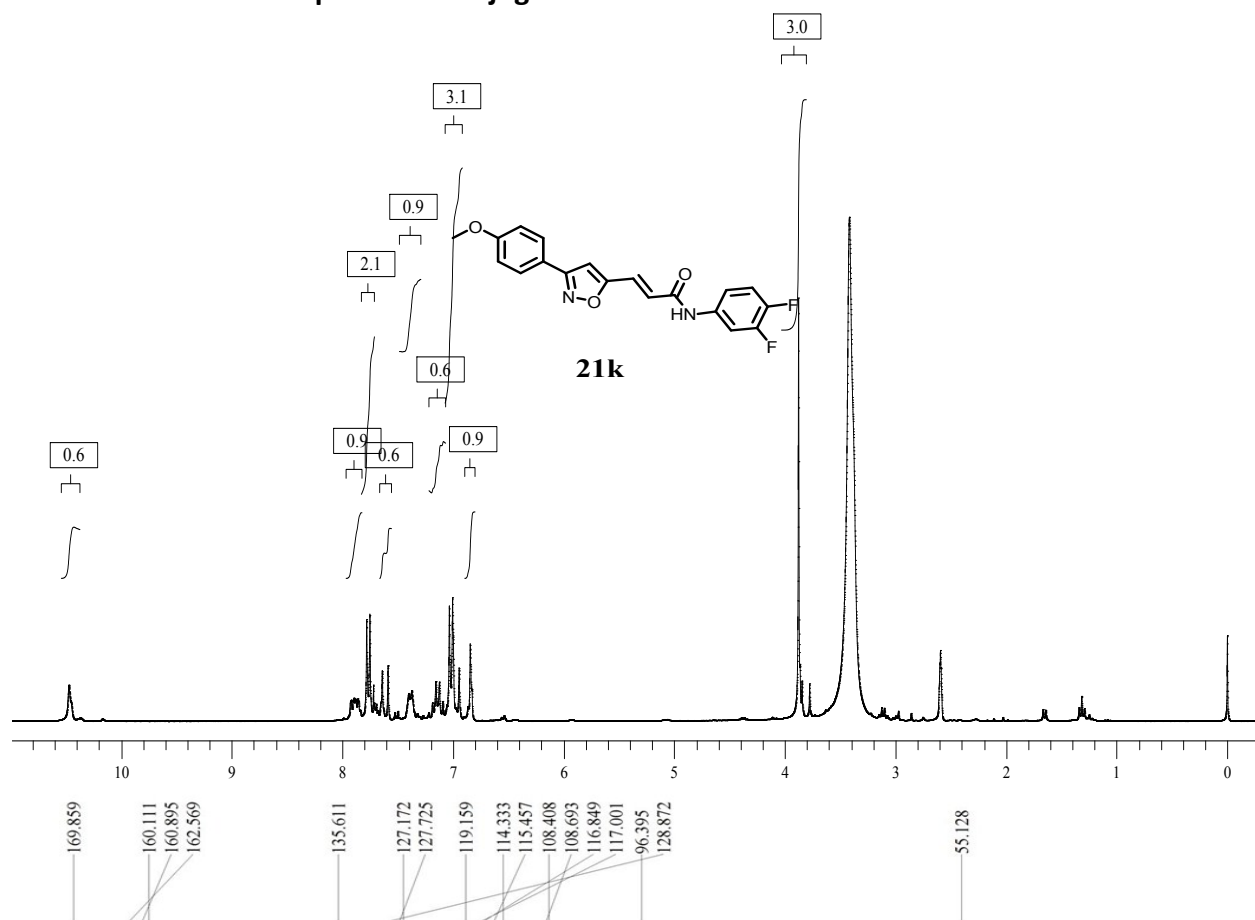
¹H NMR and ¹³C NMR spectra of conjugate 21i:



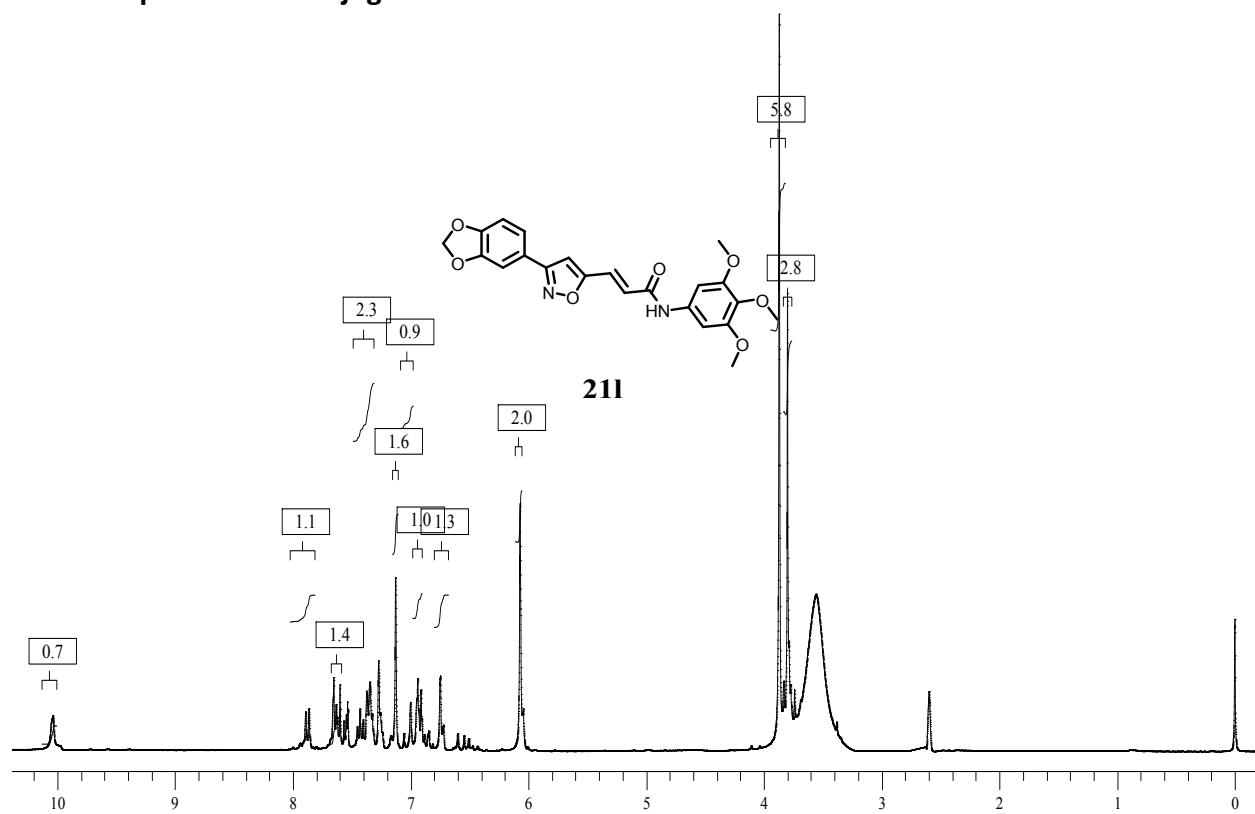
¹H NMR and ¹³C NMR spectra of conjugate 21j:



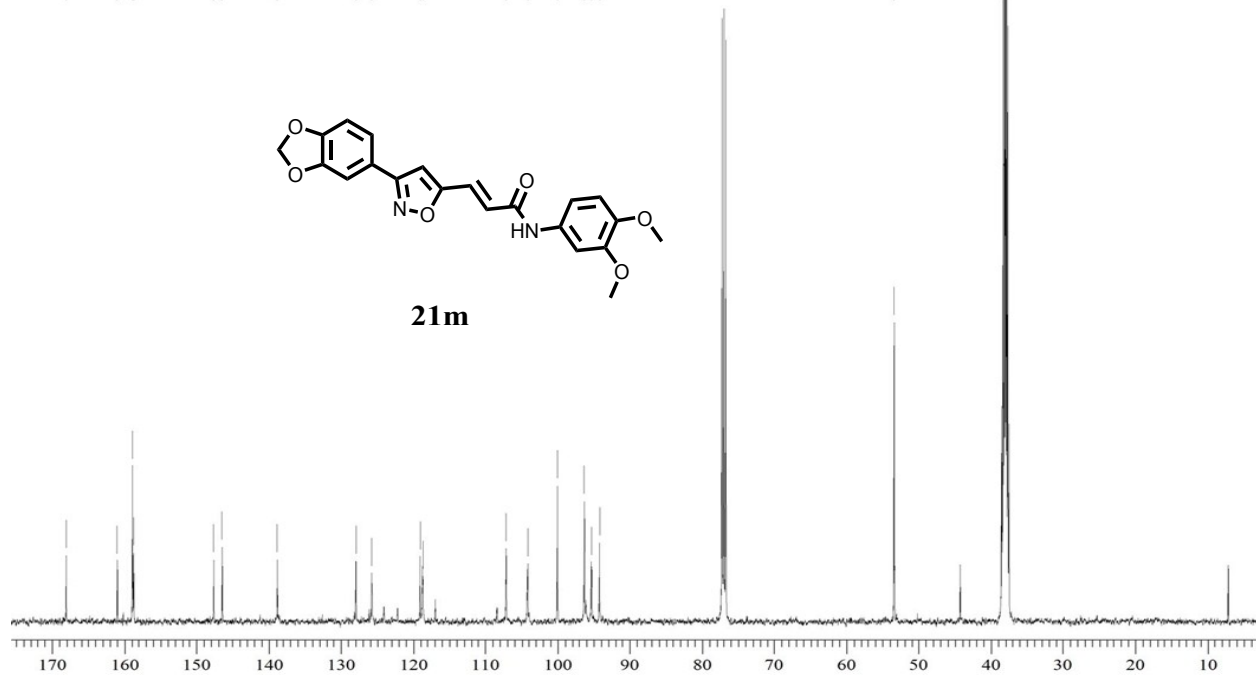
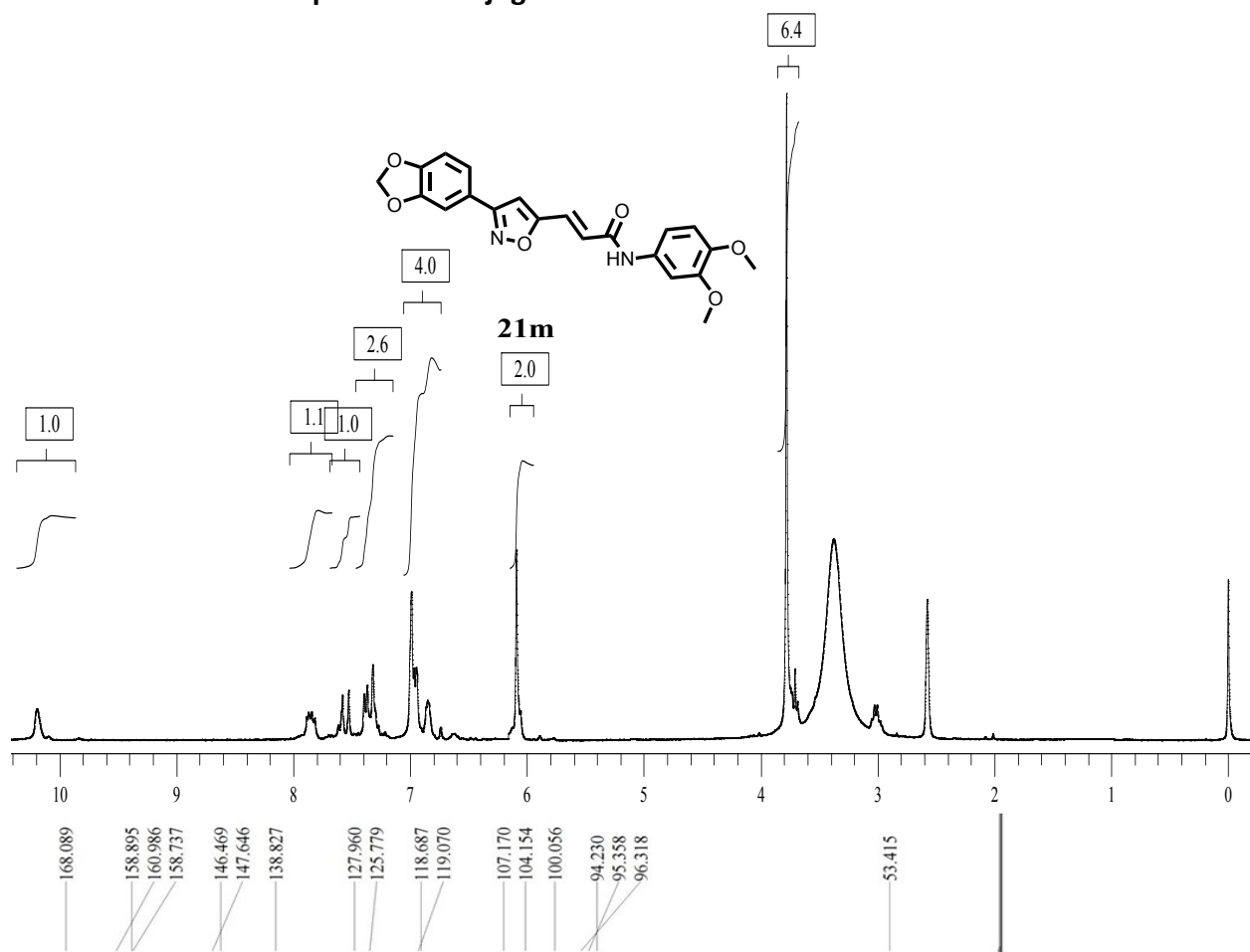
¹H NMR and ¹³C NMR spectra of conjugate 21k:



¹H NMR Spectrum of conjugate 211:



¹H NMR and ¹³C NMR spectra of conjugate 21m:



¹H NMR and ¹³C NMR spectra of conjugate 21n:

