

Supplementary Information

Synthesis and antimicrobial evaluation of benzothiazole linked isoxazole Schiff bases

G Mallikarjun^{a,b}, A Krishnam Raju^c & J S Yadav*^{a,d}

^aCenter for Semio Chemical Laboratory, CSIR-Indian Institute of Chemical Technology, Hyderabad 500 007, India

^bGovernment Degree College, Ibrahimpatnam, R. R. District, Hyderabad 501 506, India

^cDepartment of Chemistry, Osmania University, Hyderabad 500 007, India

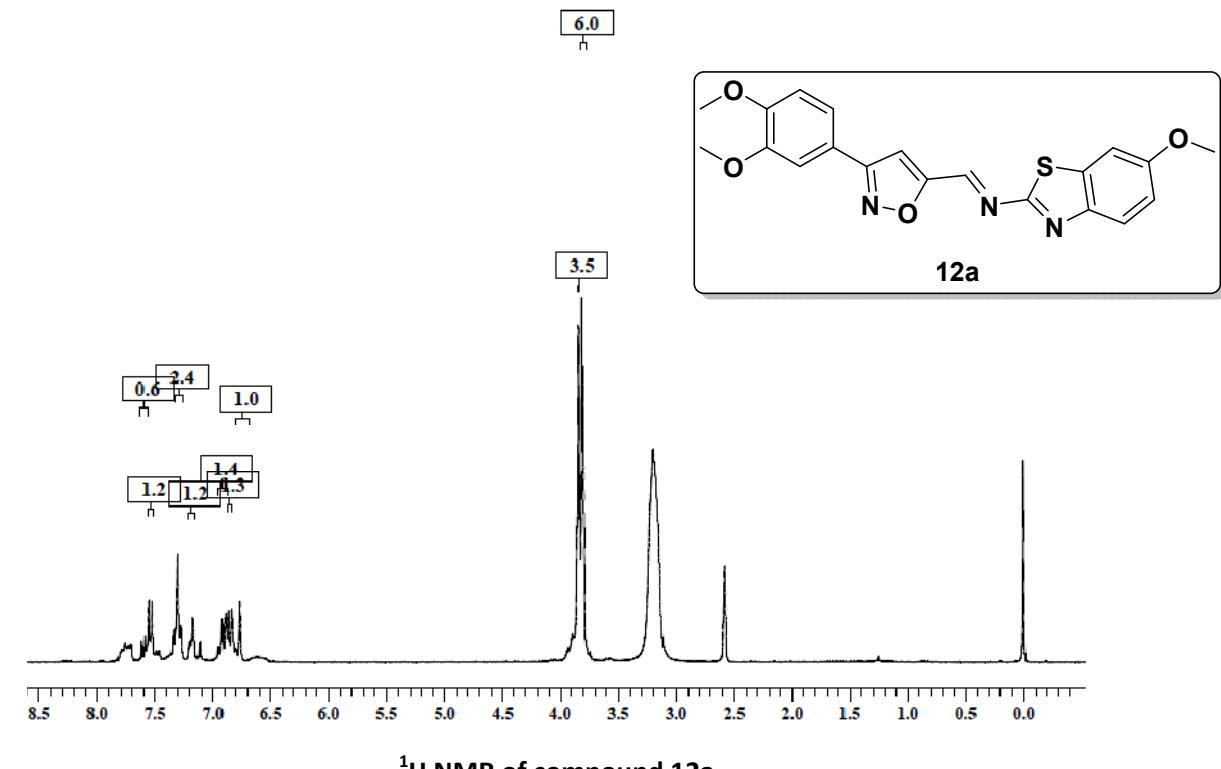
^dSchool of Science, Indrashil University, Kadi, Mehsana 382 740, India

E-mail: jsyadav@indrashiluniversity.edu.in;

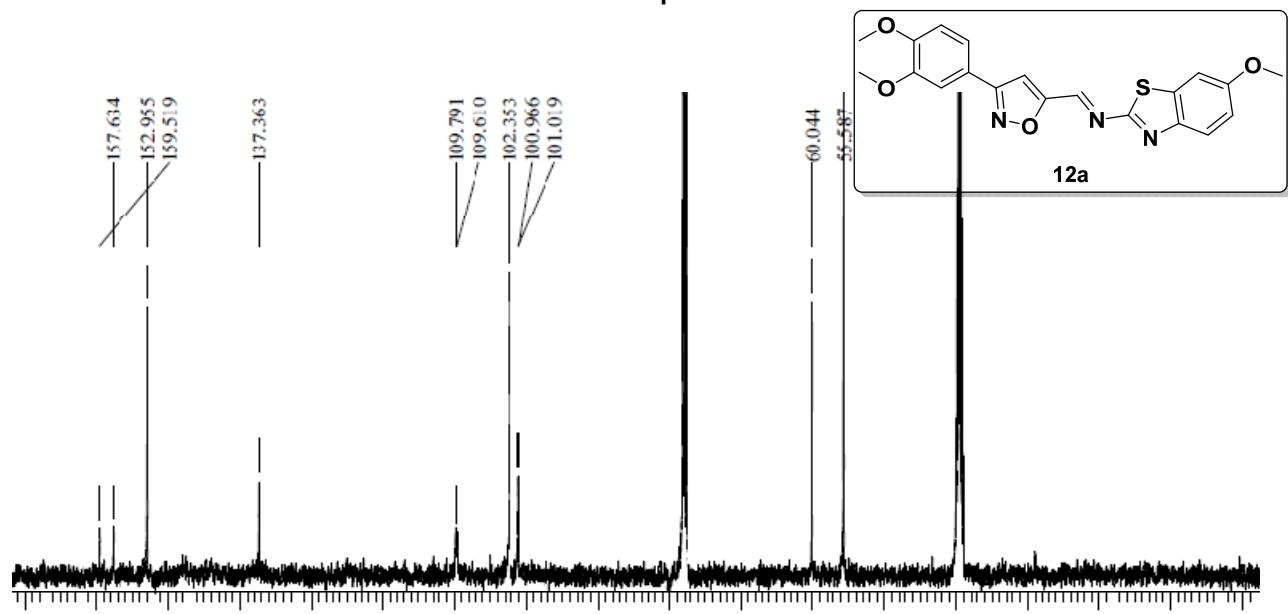
yadavpub@gmail.com; krishnamraju@gmail.com; gundumallikarjun8@gmail.com

Received 13 September 2021; accepted (revised) 22 September 2021

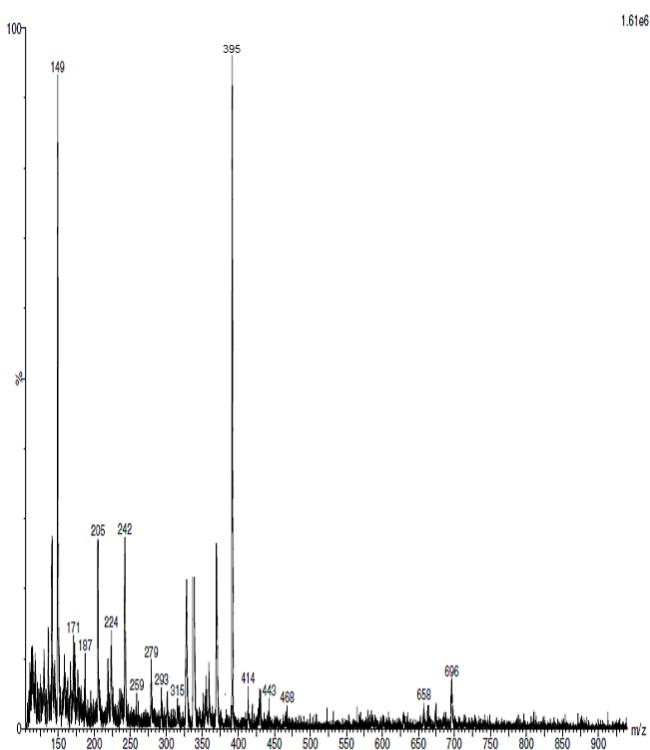
Representative spectra of the final compounds



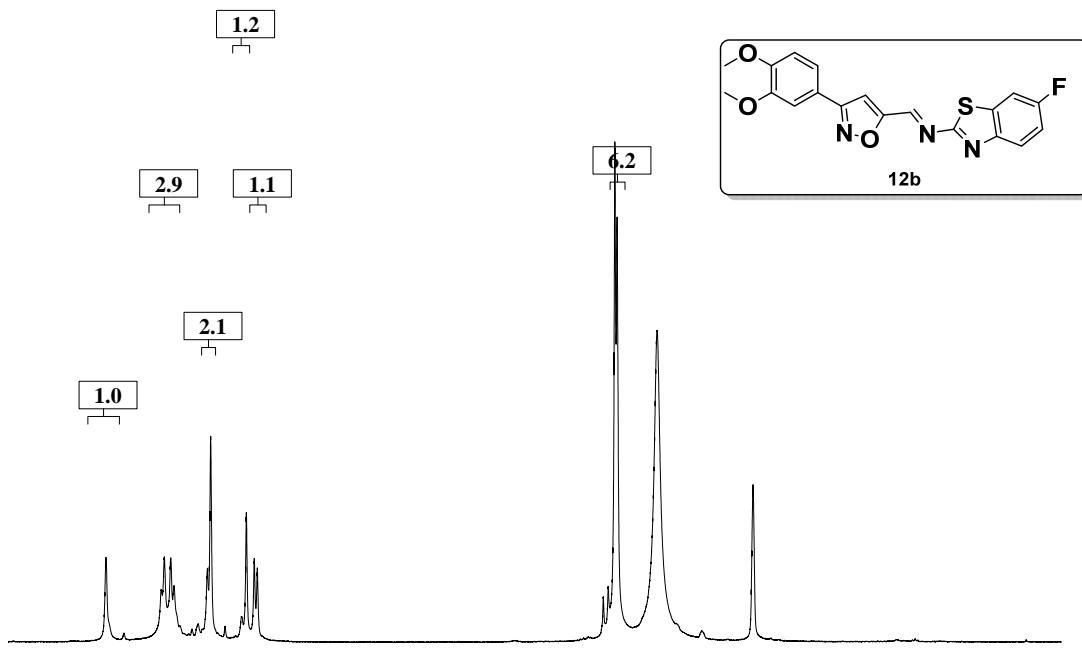
¹H NMR of compound 12a



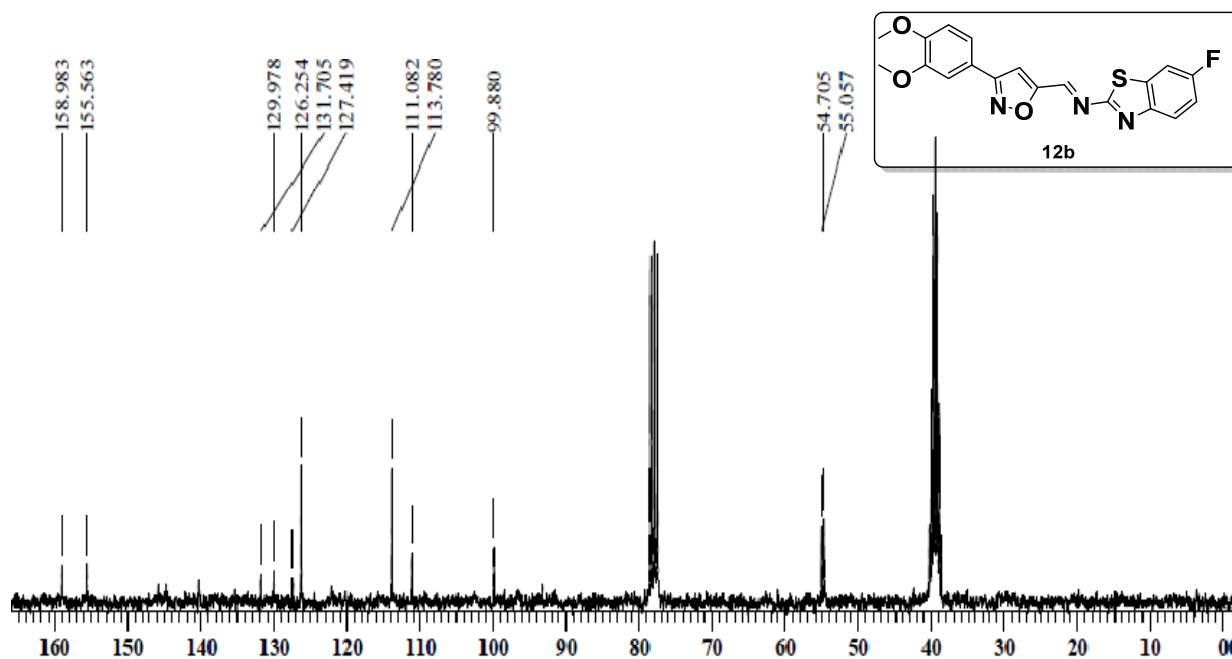
¹³C NMR of compound 12a



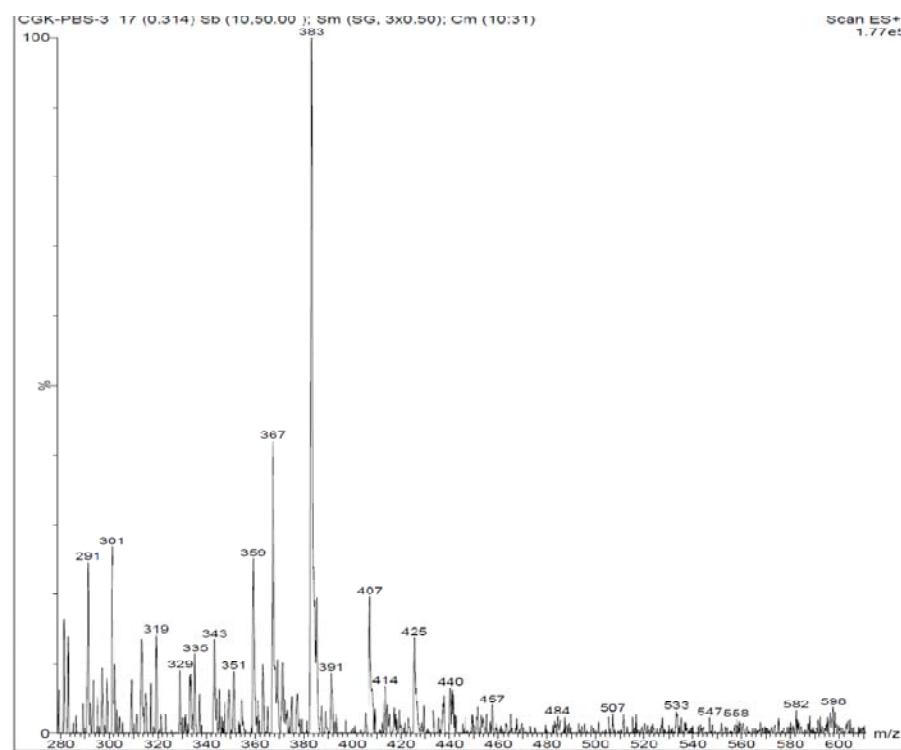
ESI-MS of compound 12a



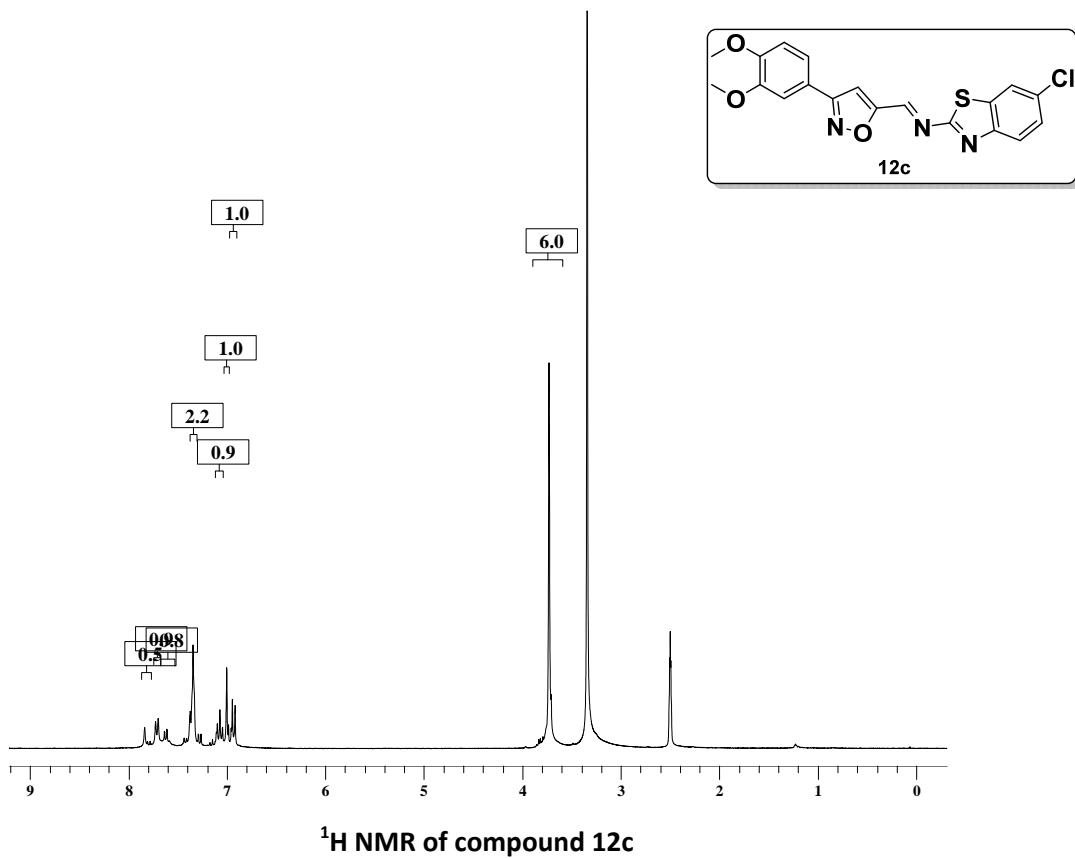
¹H NMR of compound 12b



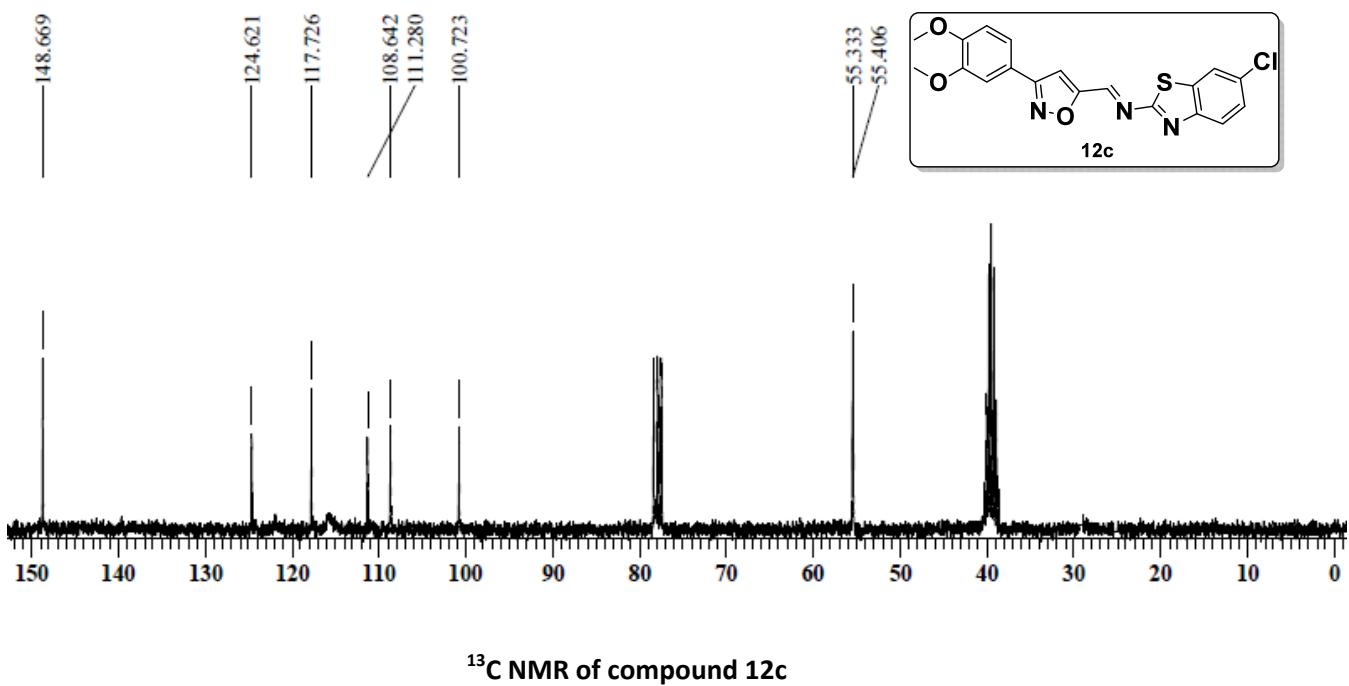
¹³C NMR of compound 12b



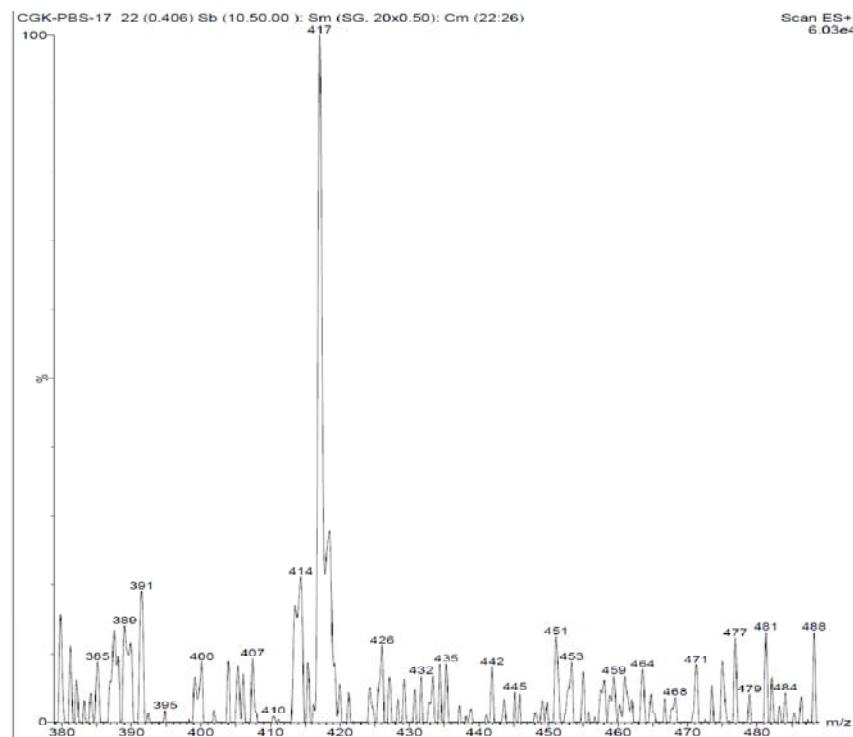
ESI-MS of compound 12b



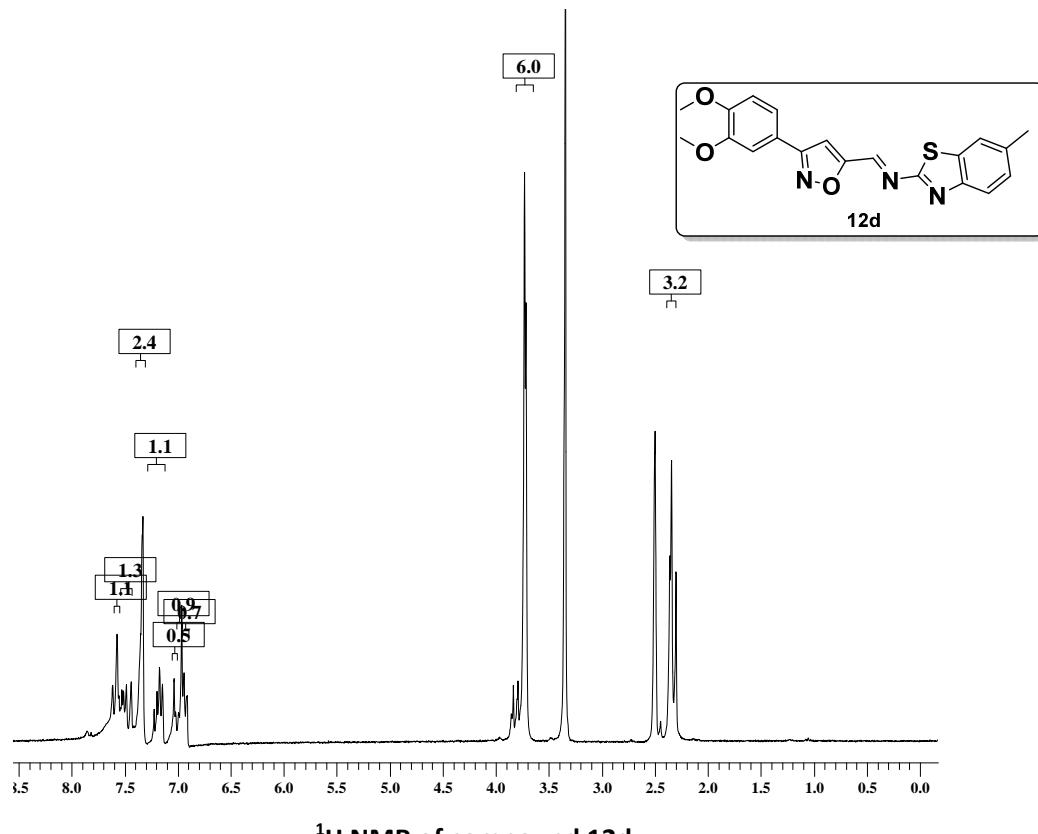
¹H NMR of compound 12c

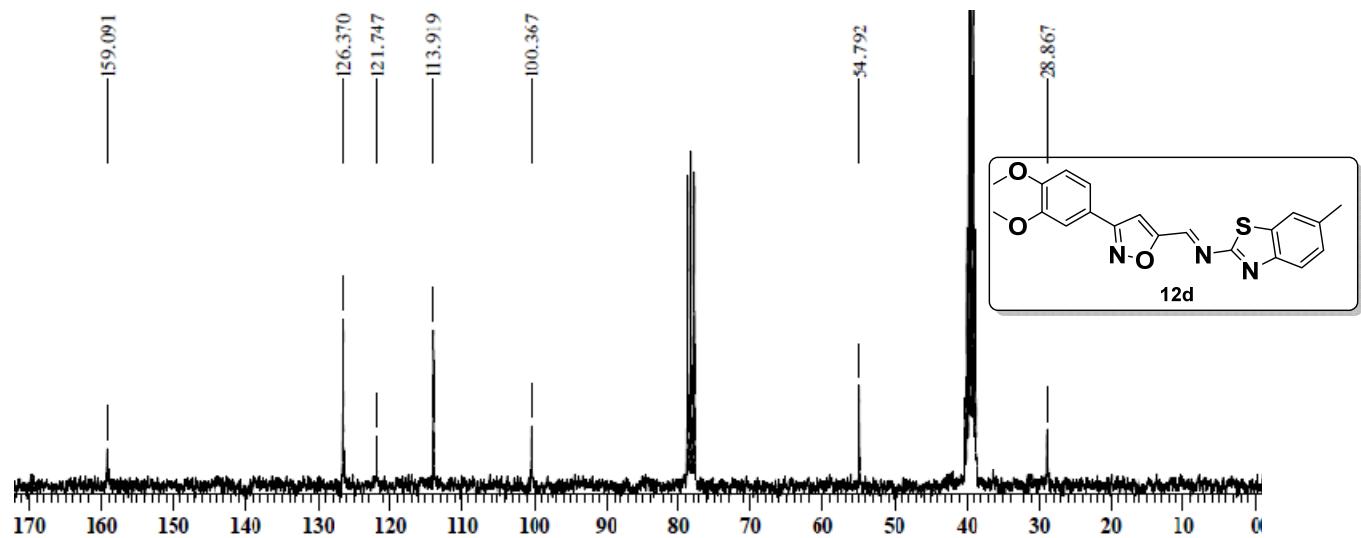


¹³C NMR of compound 12c

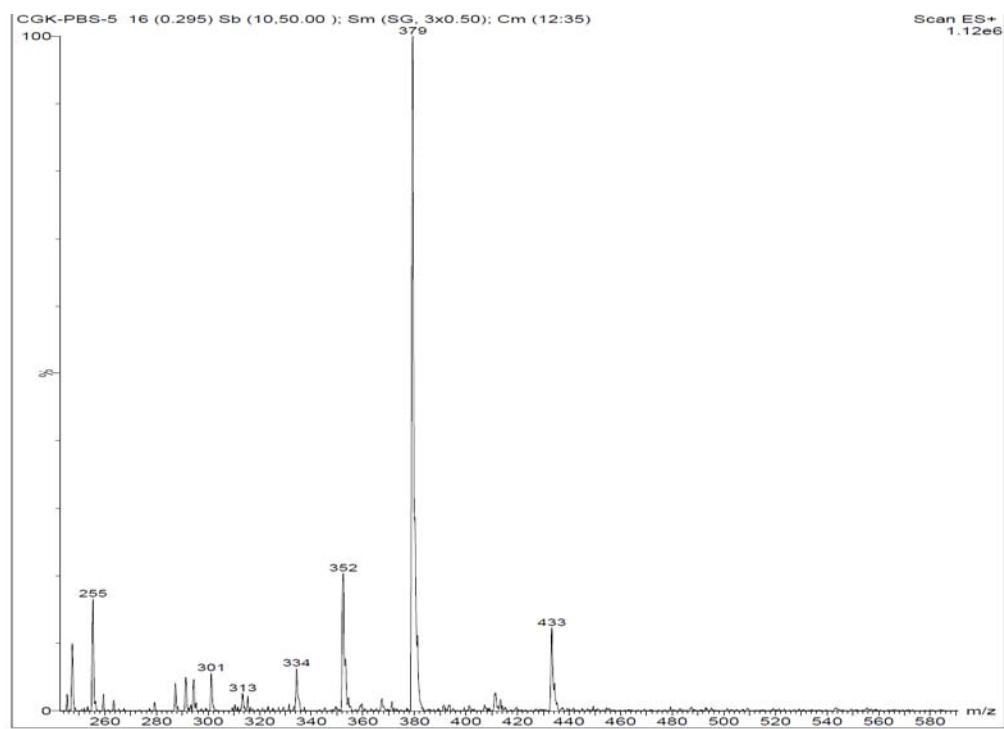


ESI-MS of compound 12c

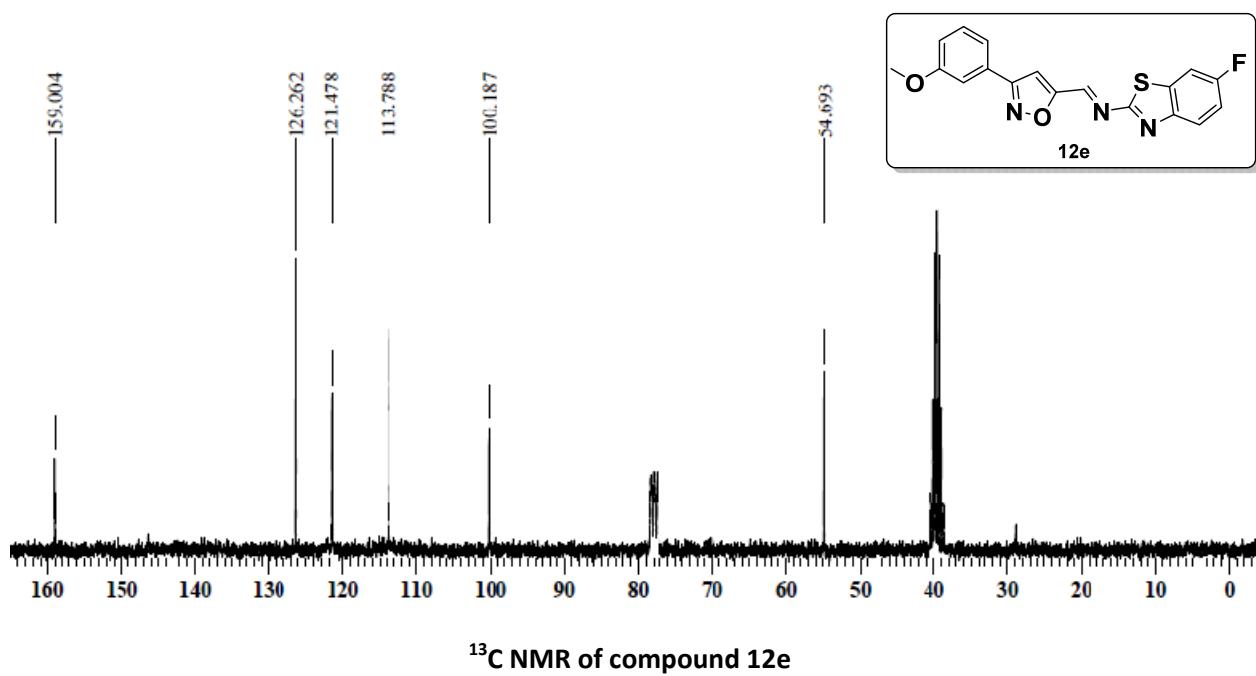
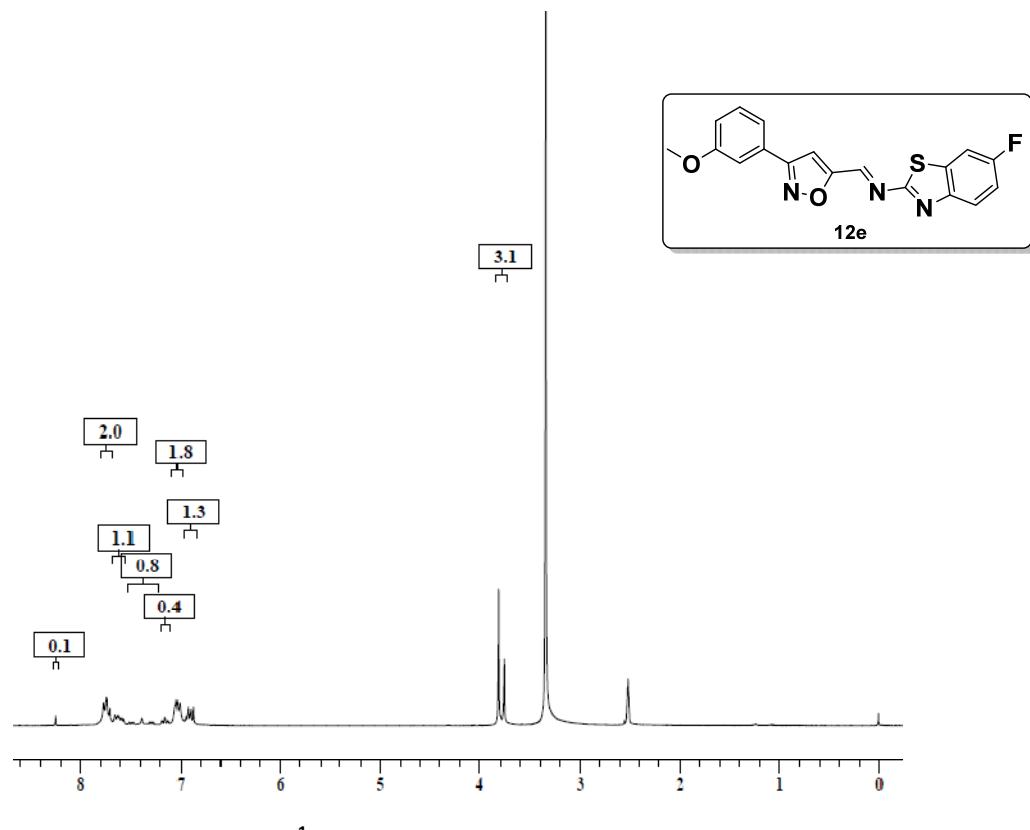




^{13}C NMR of compound 12d

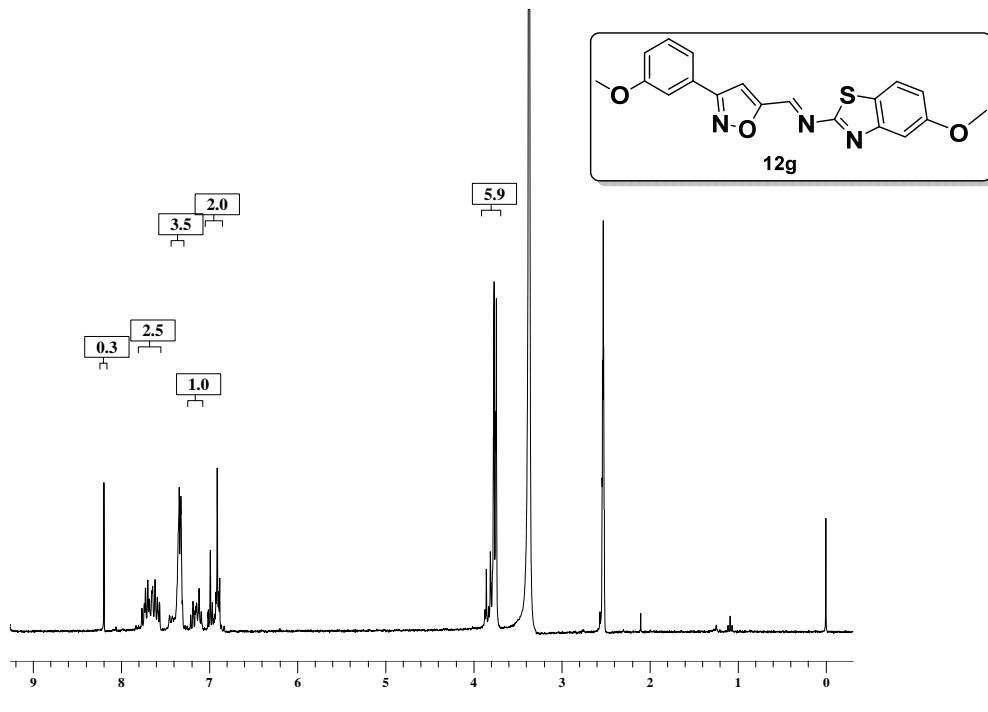


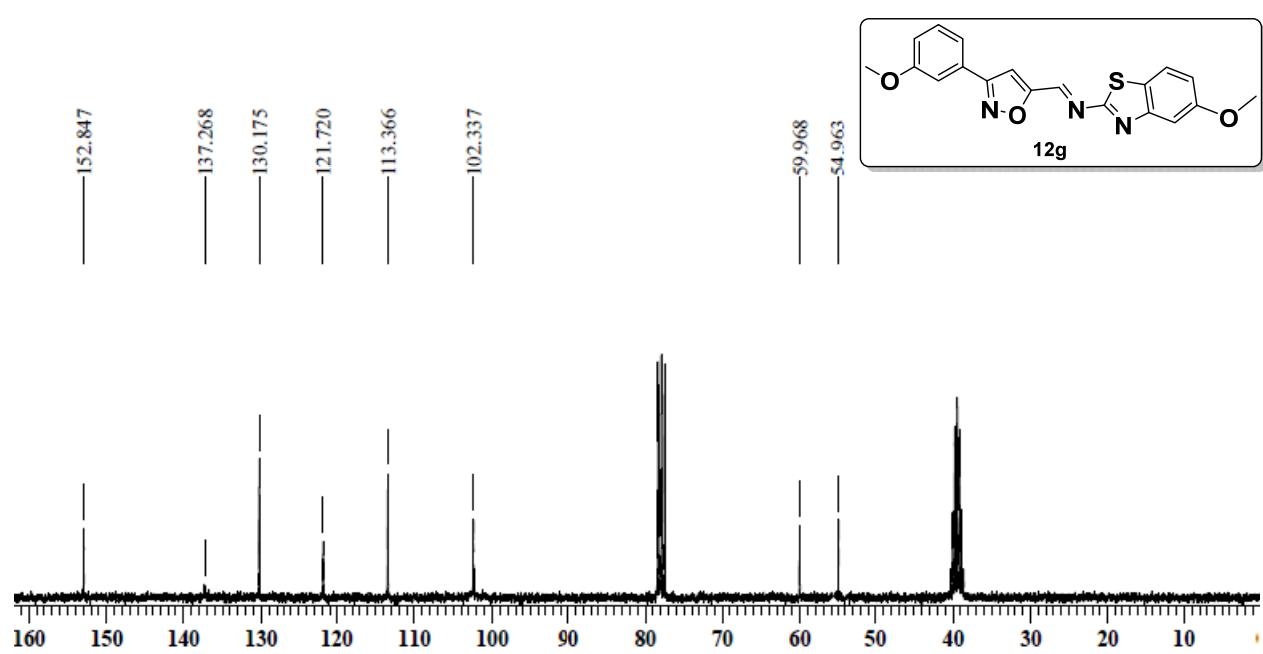
ESI-MS of compound 12d



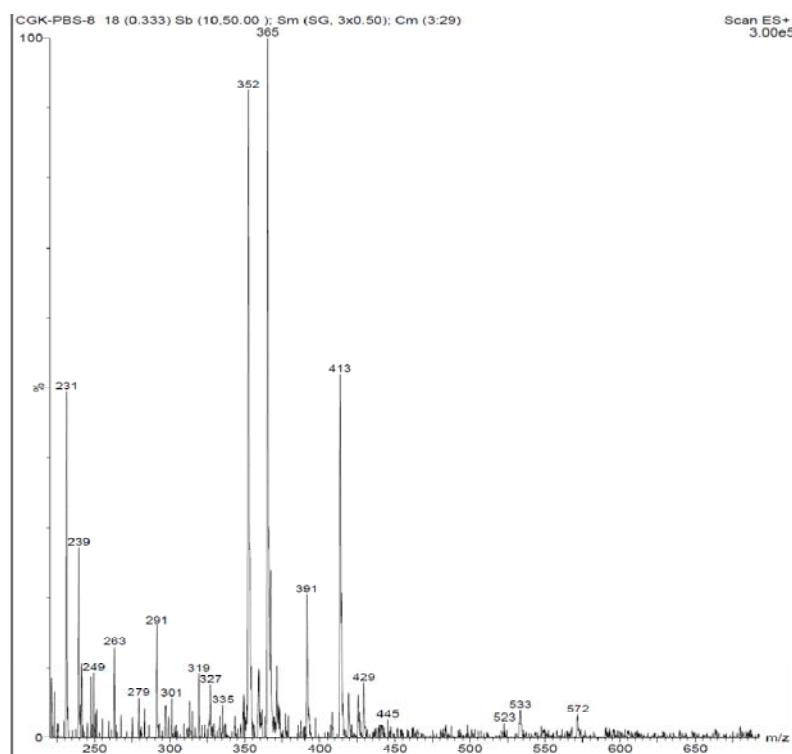


ESI-MS of compound 12e

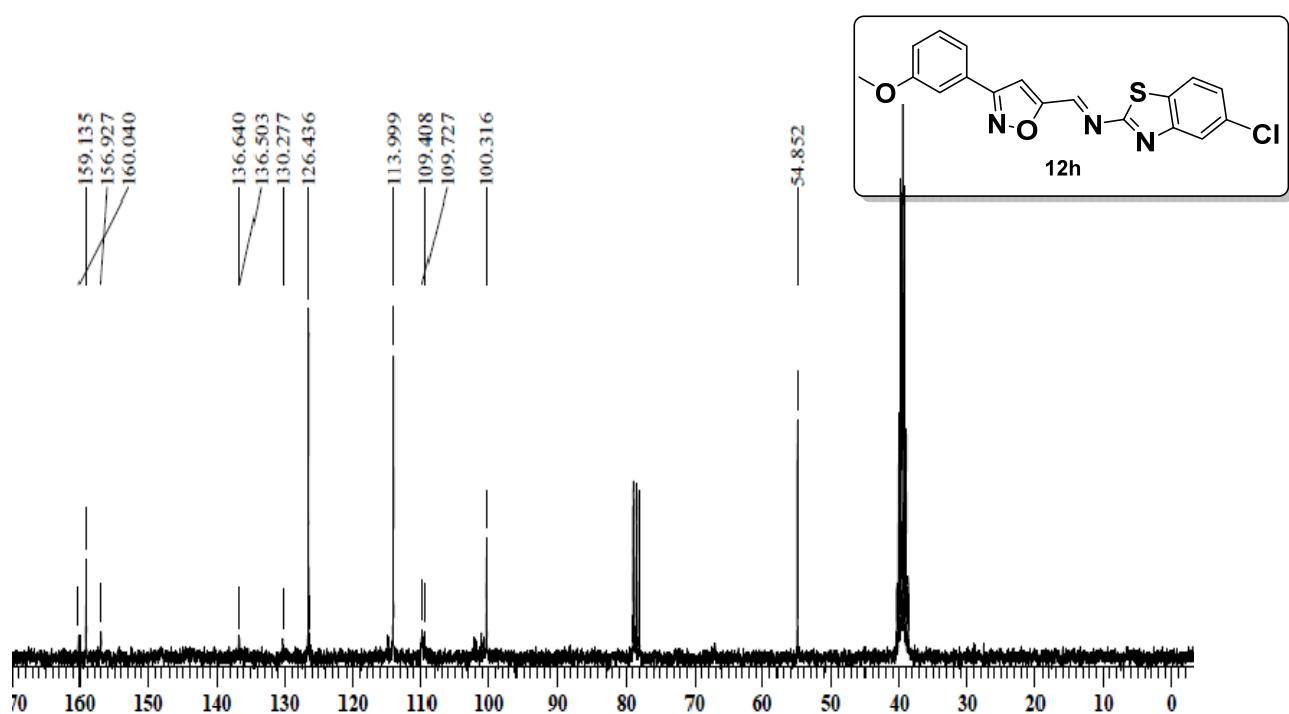
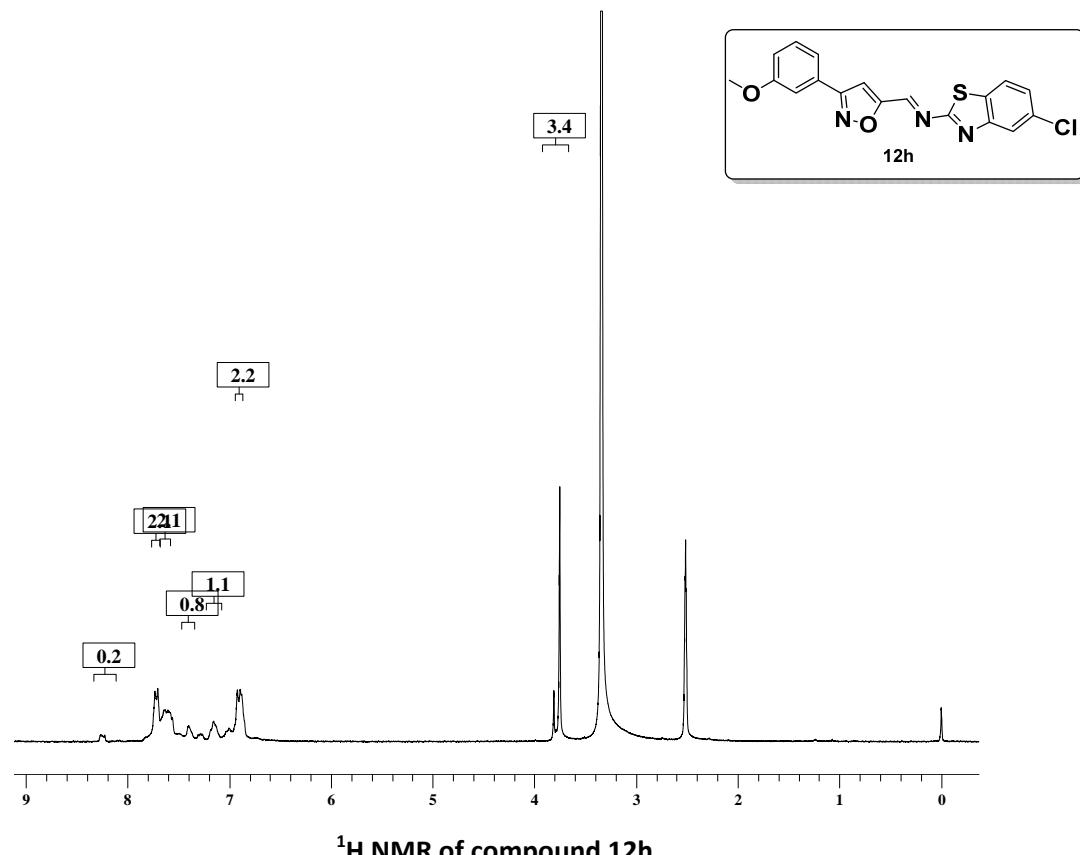


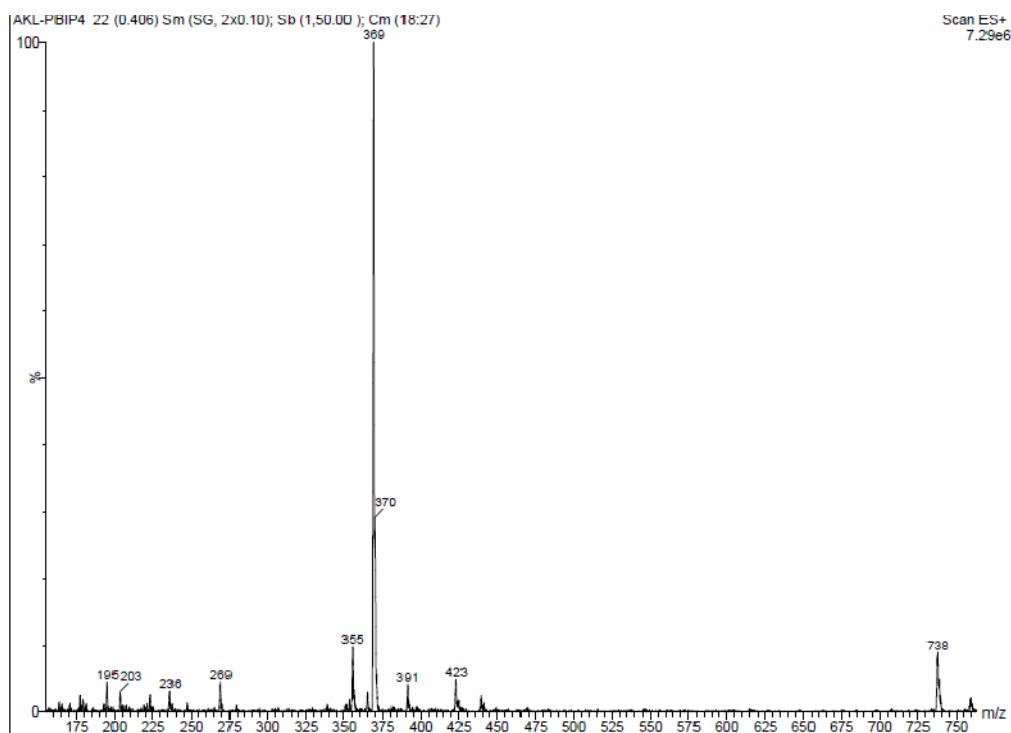


¹³C NMR of compound 12g

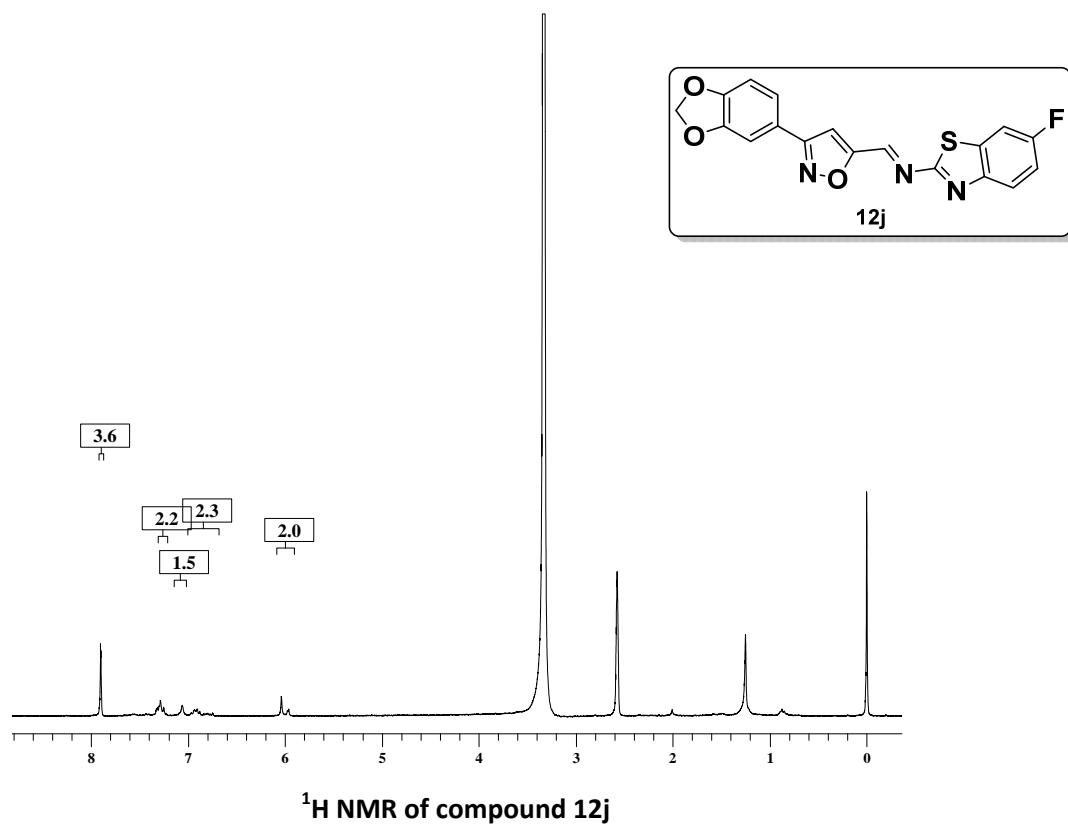


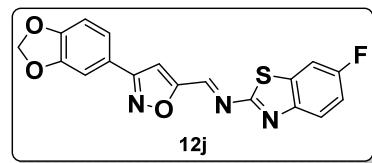
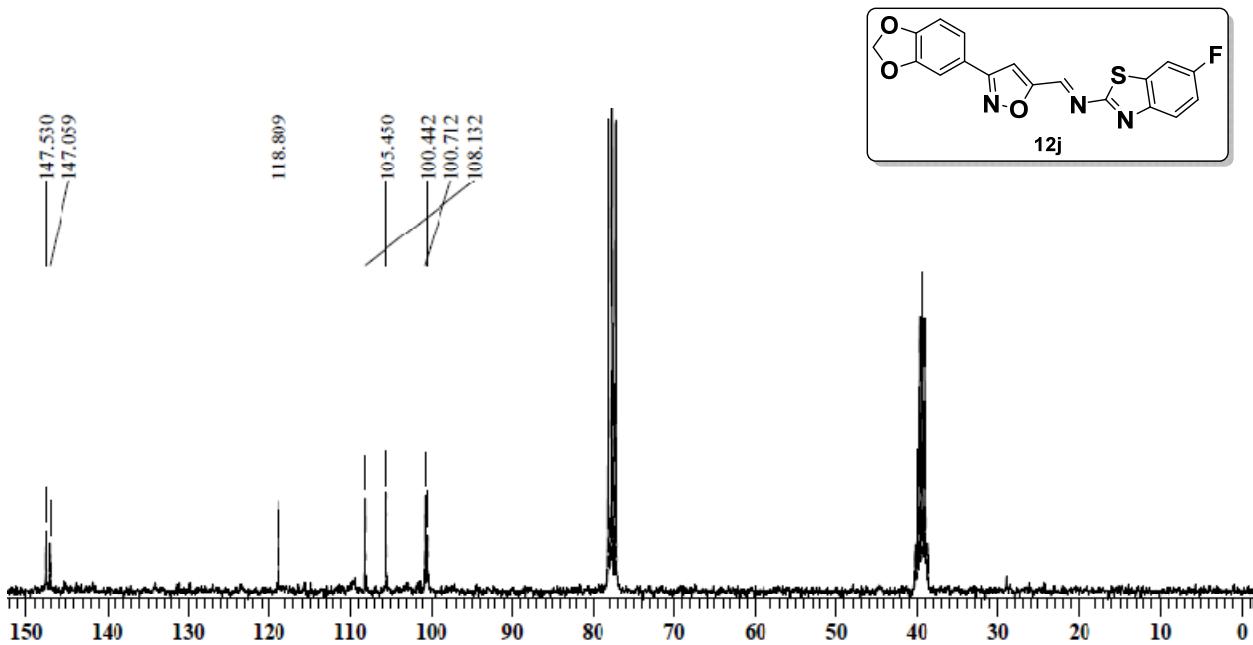
ESI-MS of compound 12g



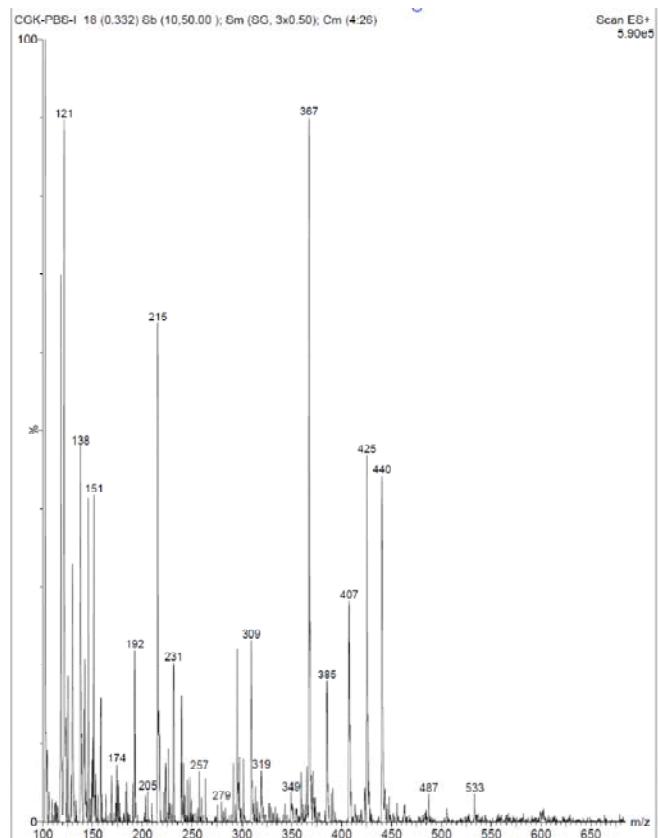


ESI-MS of compound 12h



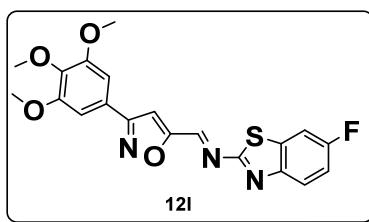


¹³C NMR of compound 12j

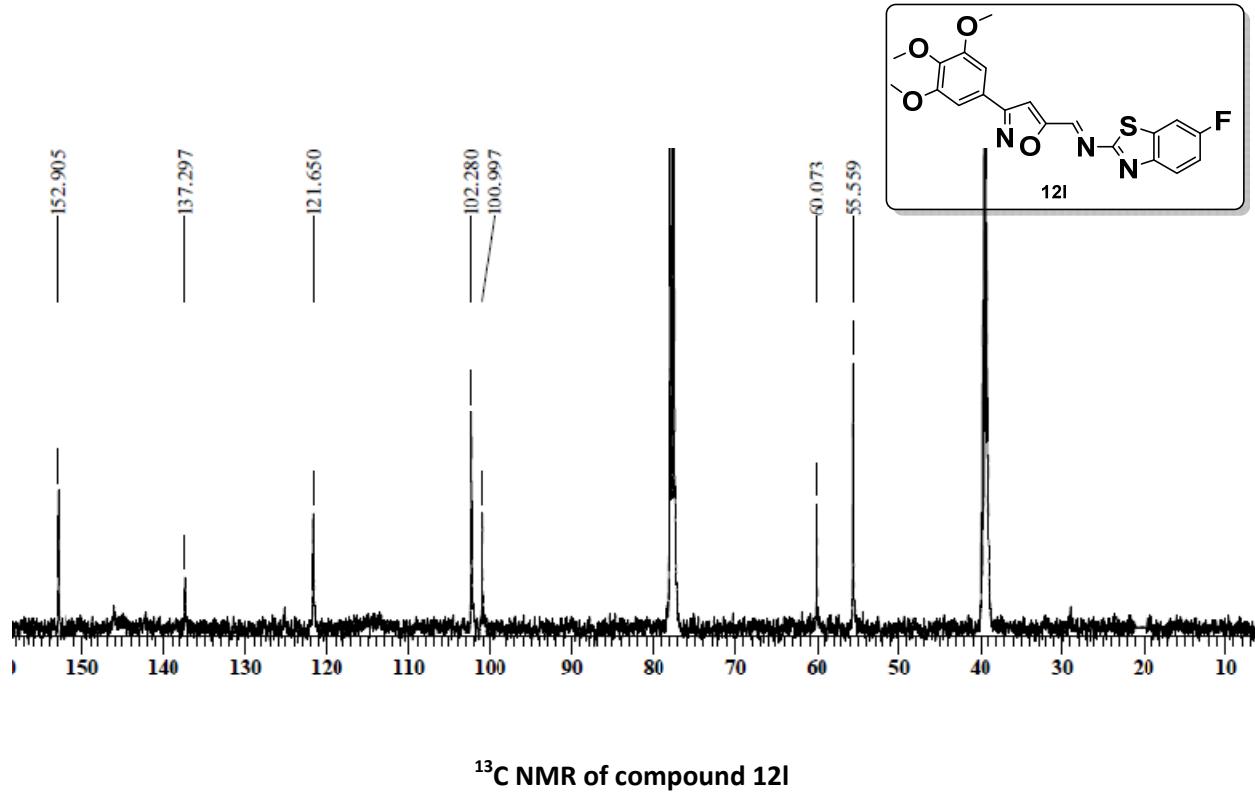
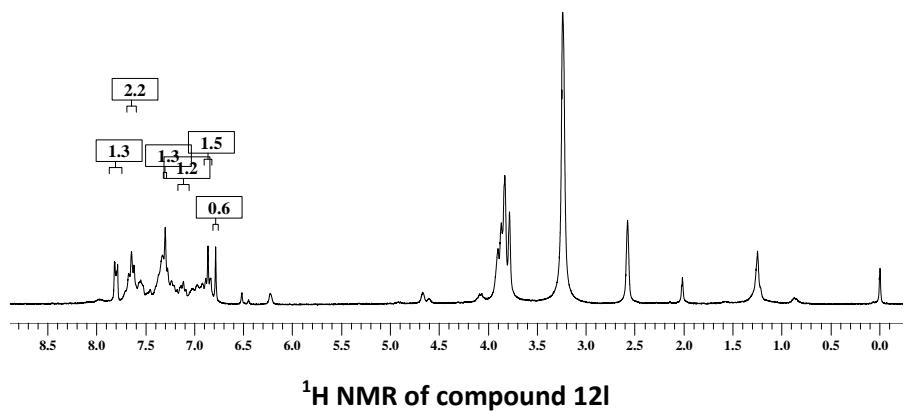


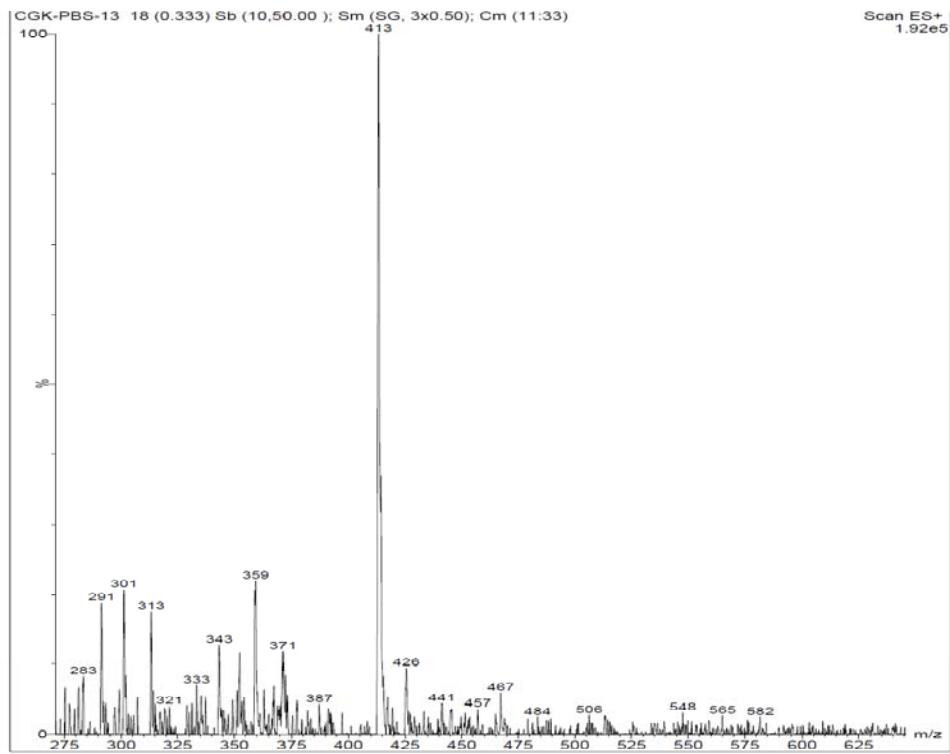
ESI-MS of compound 12j

9.0



12l





ESI-Ms of compound 12l