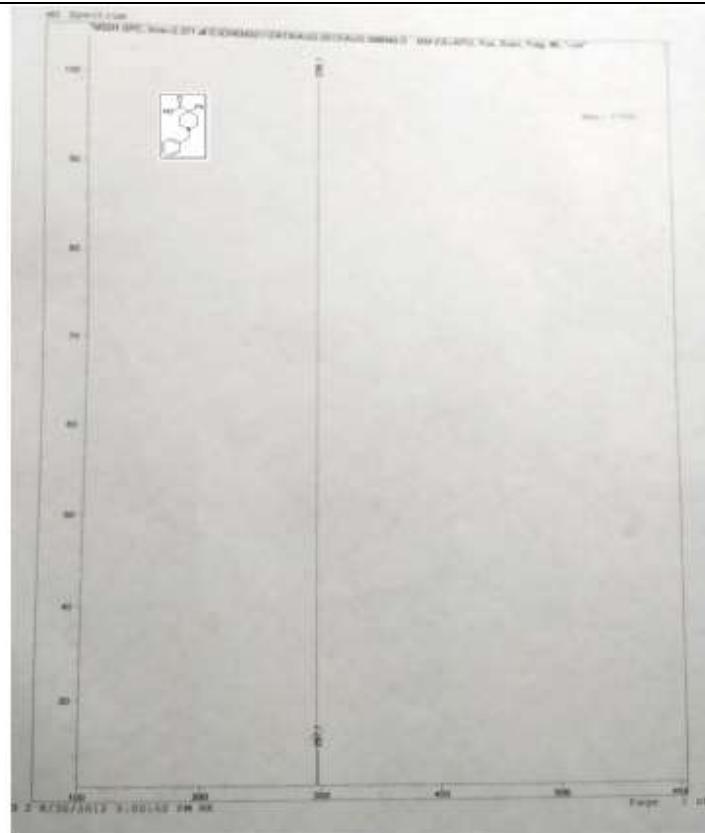


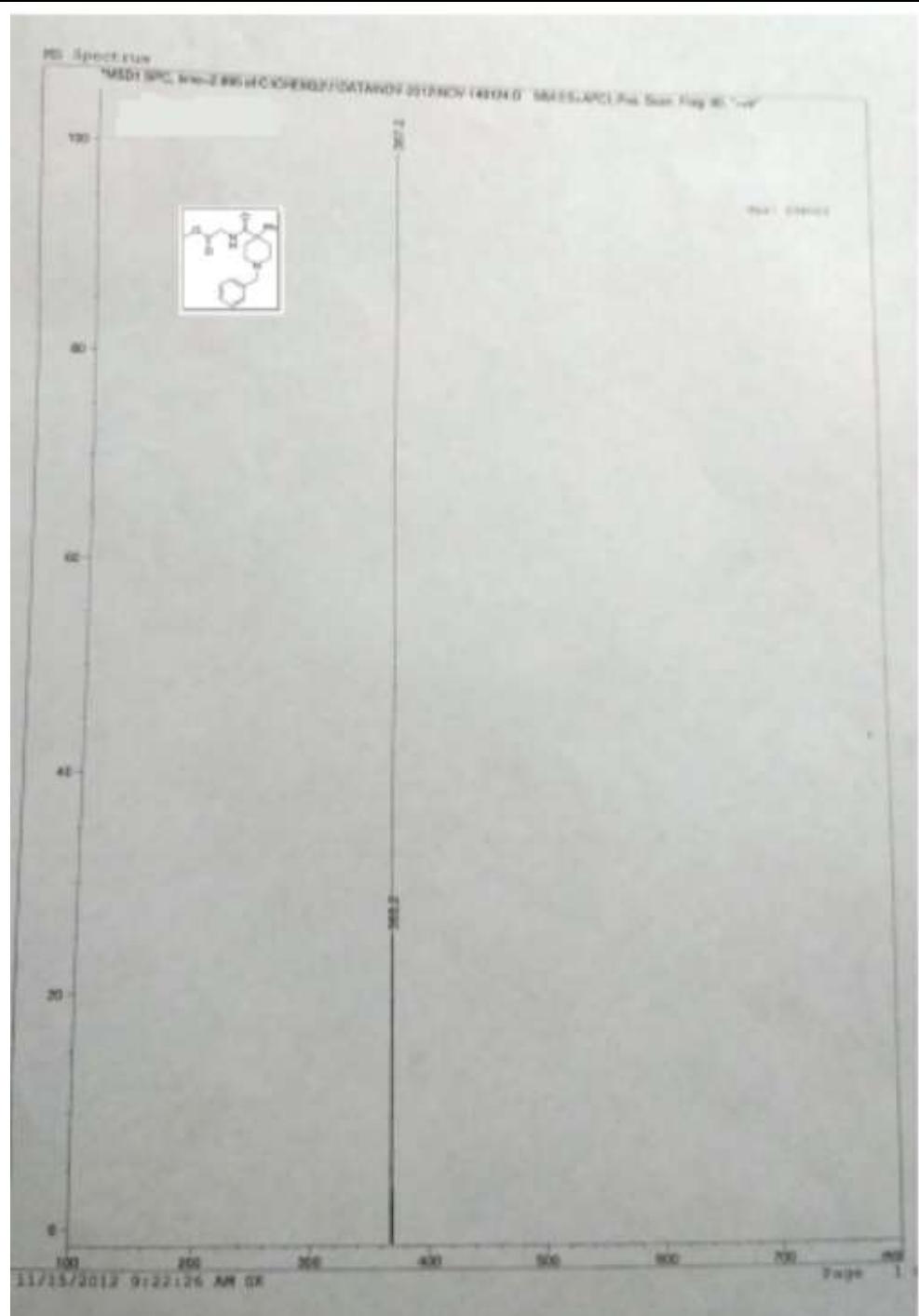
Supplementary File 1

¹H NMR, ¹³C NMR and HMRMS, mass spectra of compound at different steps of the synthesis.

Mass spectra of 3

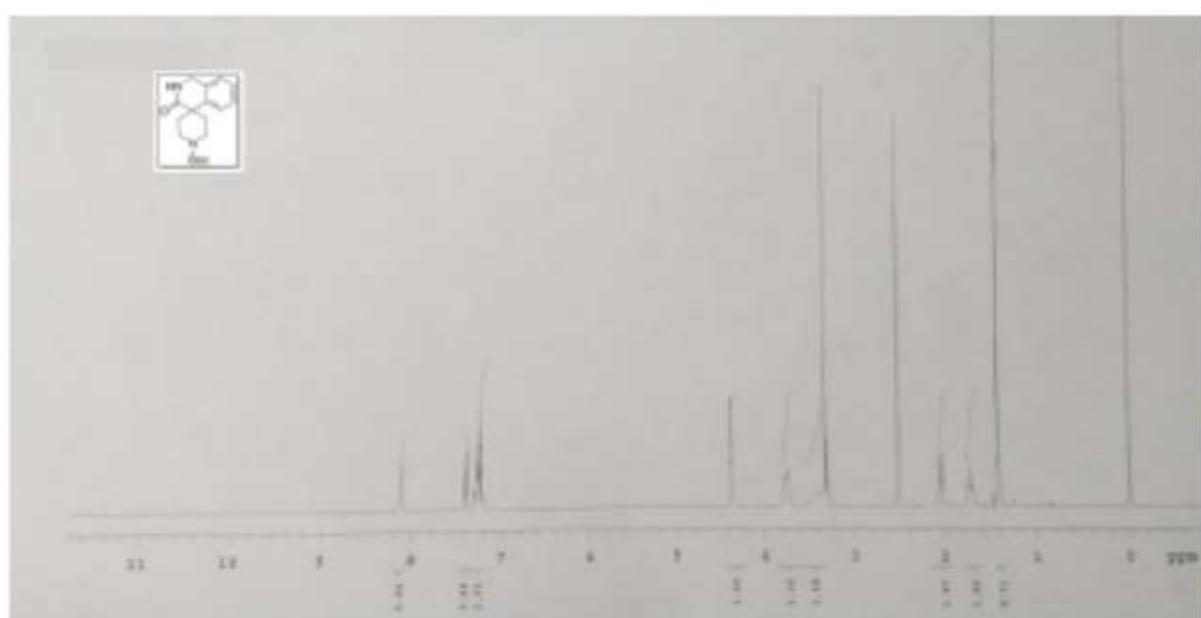


Mass spectra of 6

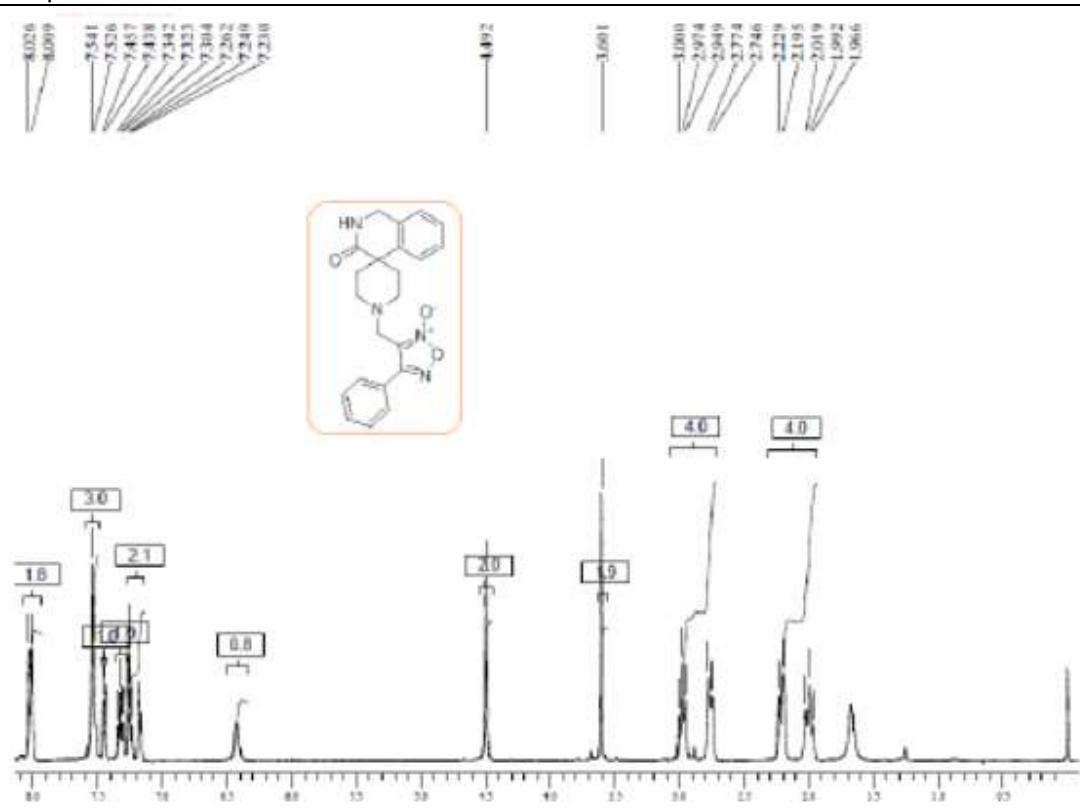


Mass spectra of **7**

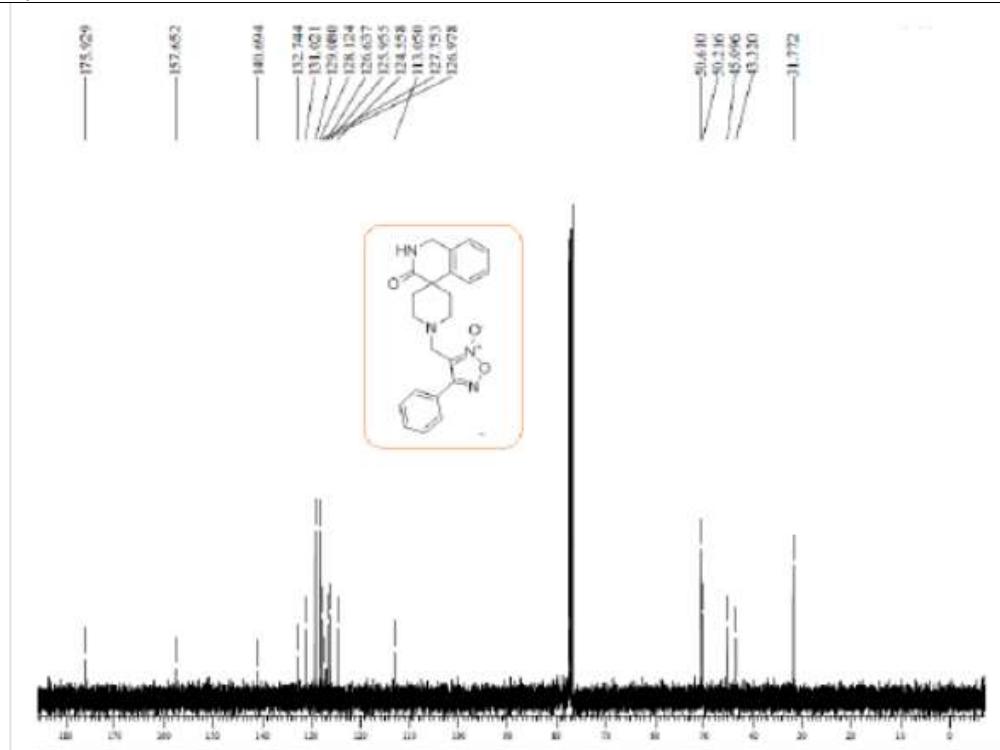
¹H NMR spectra of 7



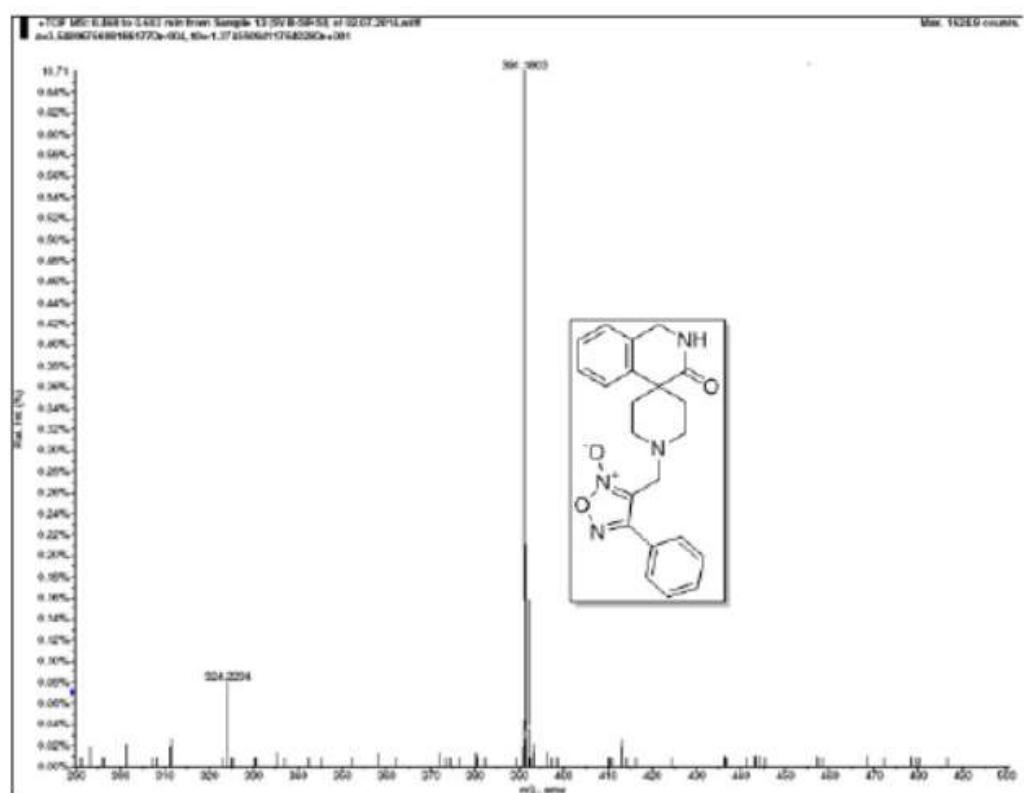
1H NMR spectra of 10a



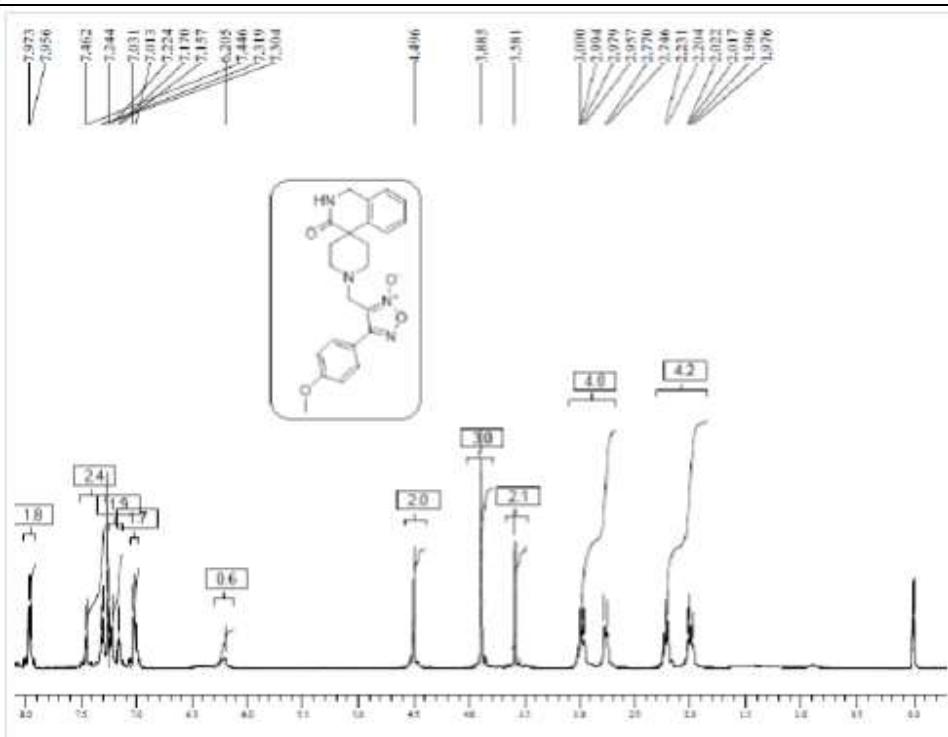
¹³C NMR spectra of 10a



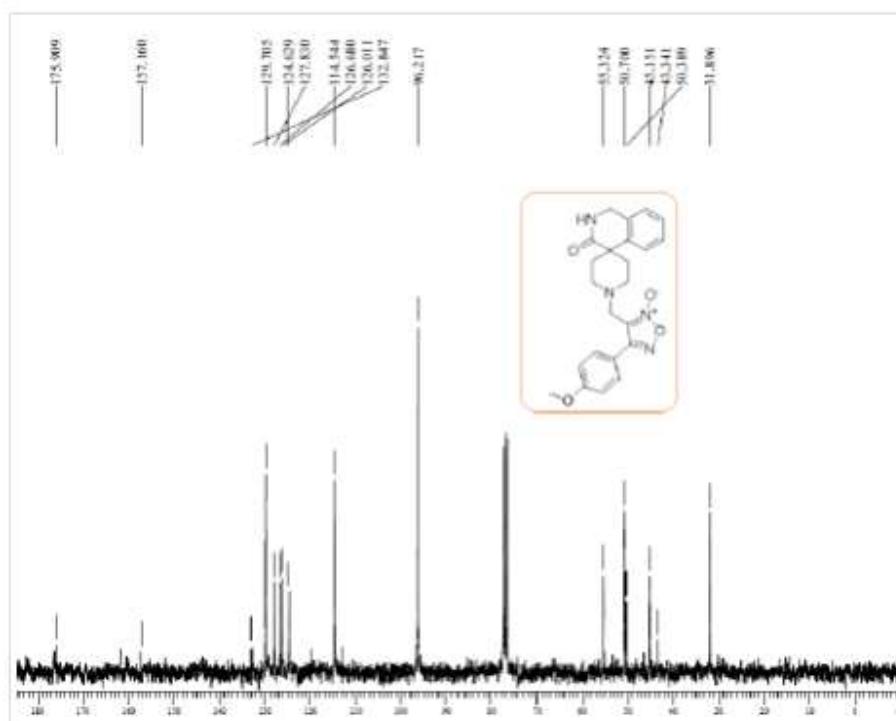
Mass spectra of 10a



1H NMR spectra of **10b**

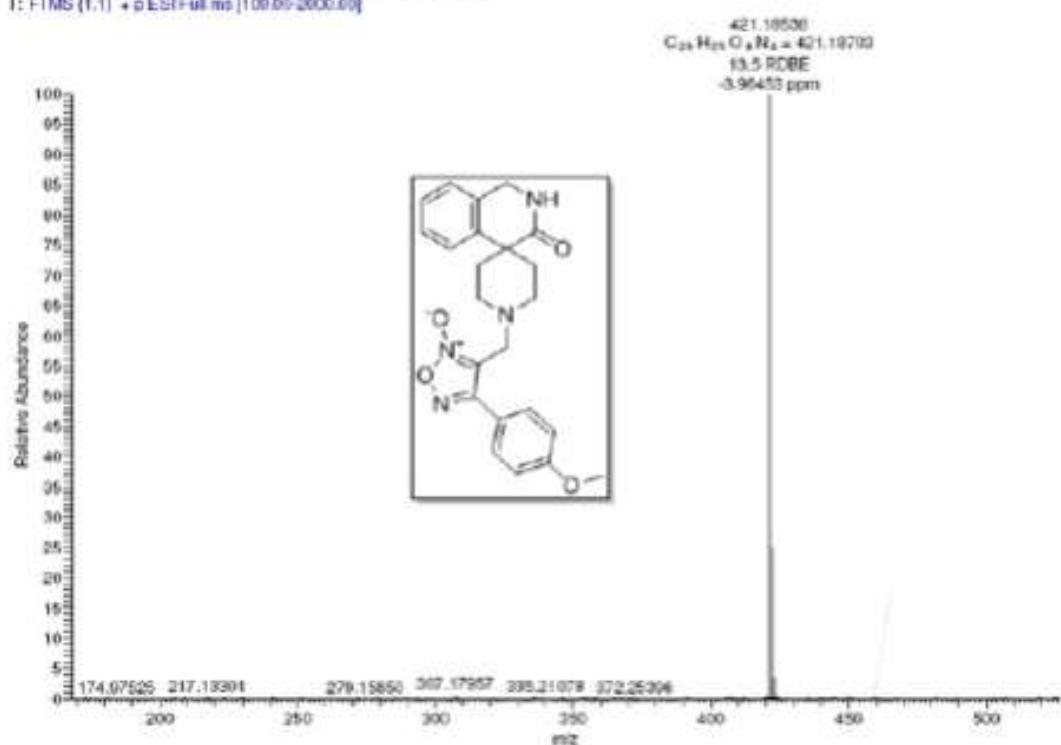


¹³C NMR spectra of **10b**

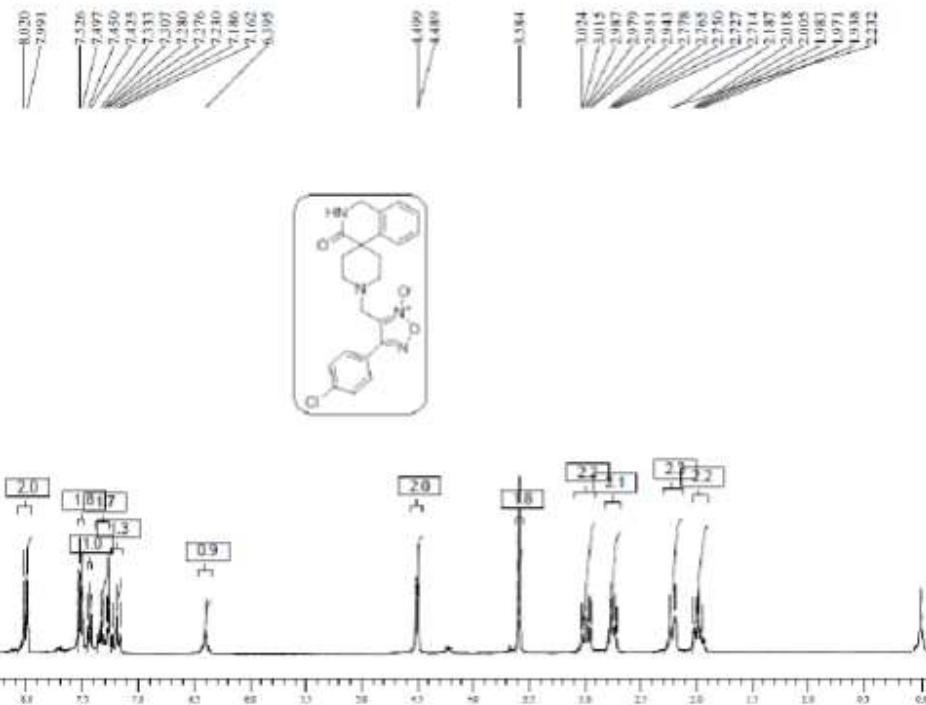


HRMS spectra of **10b**

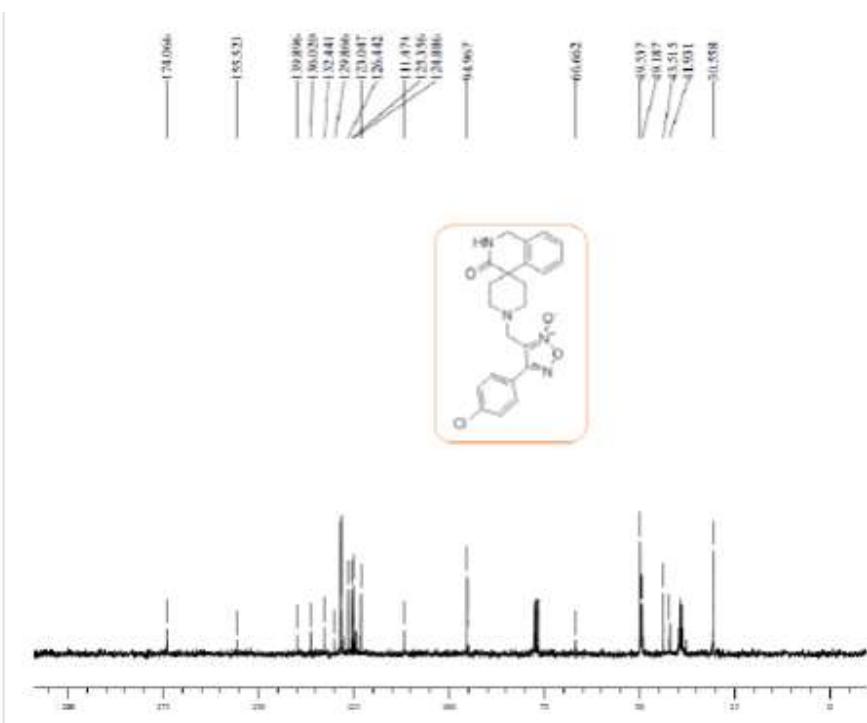
JFAO-SPIRO-4-OME #3-12™ RT: 0.03-0.12™ AV: 10™ NL: 2.0E11
T: FTMS {1:1} + pESI:Full ms [100.00-2000.00]



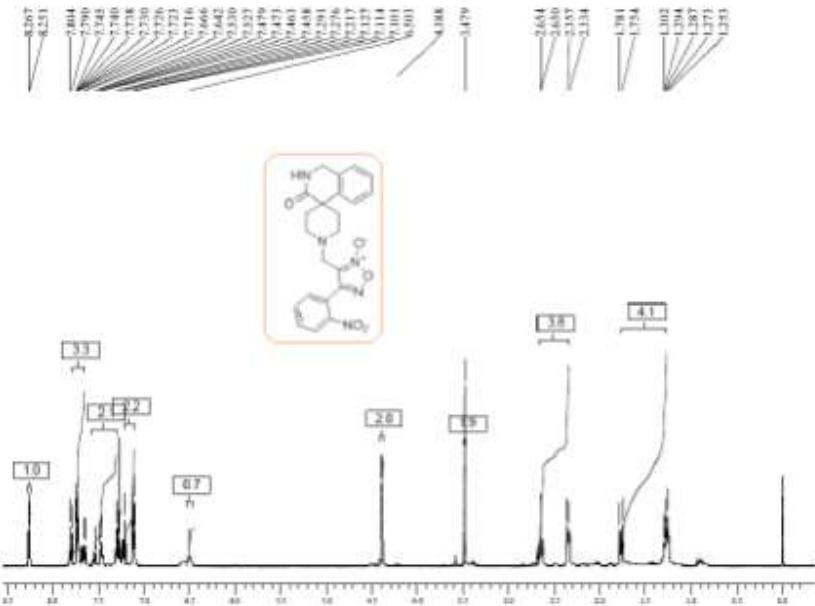
1HNMR spectra of 10c



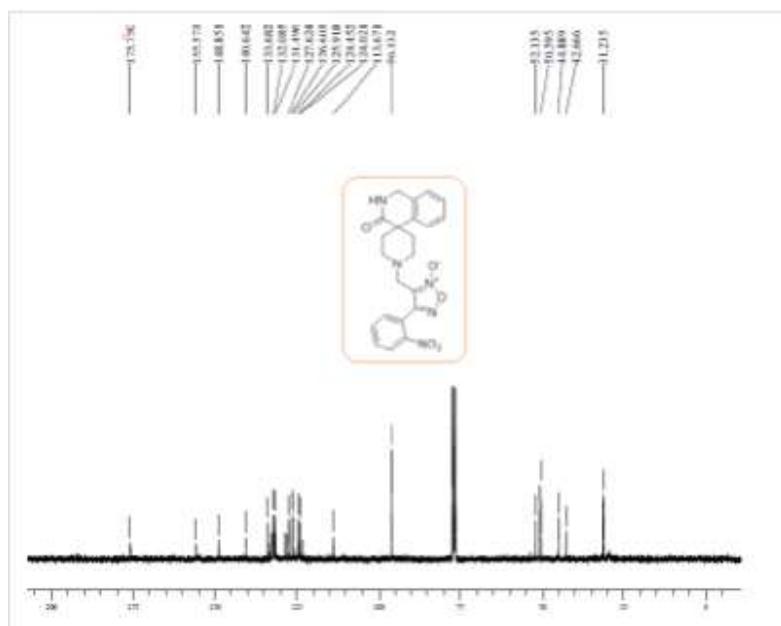
¹³C NMR spectra of 10c



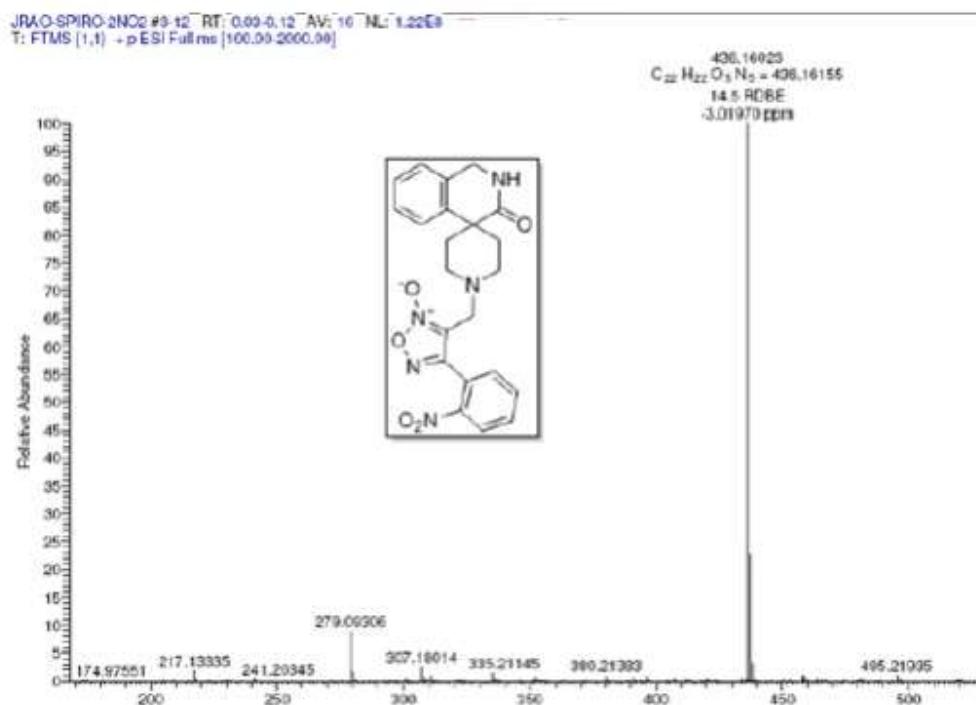
1H NMR spectra of 10d



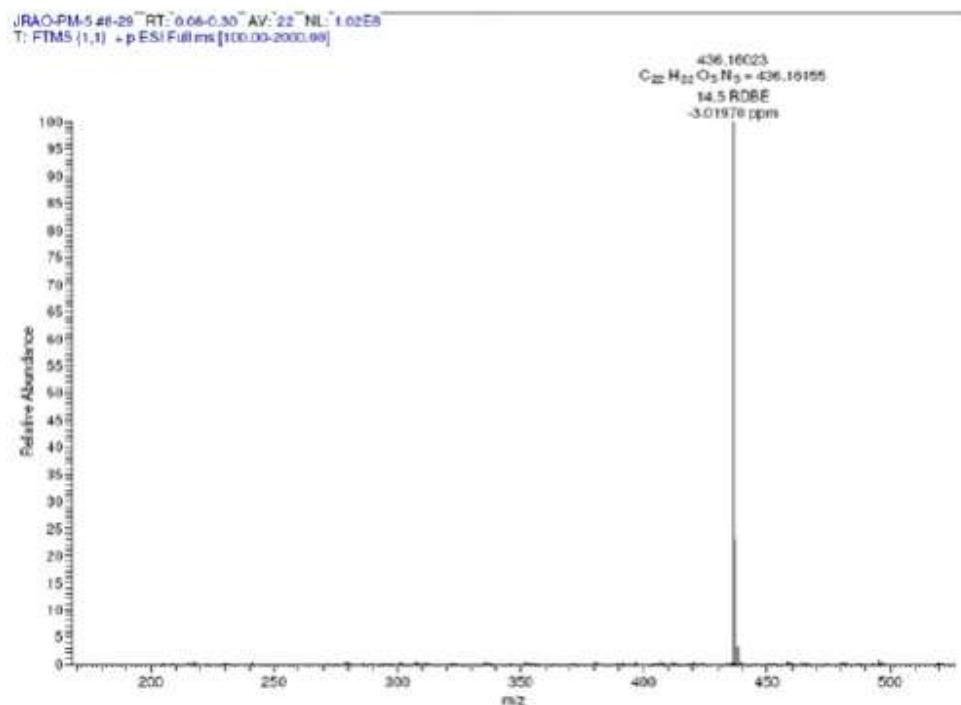
13C NMR spectra of 10d



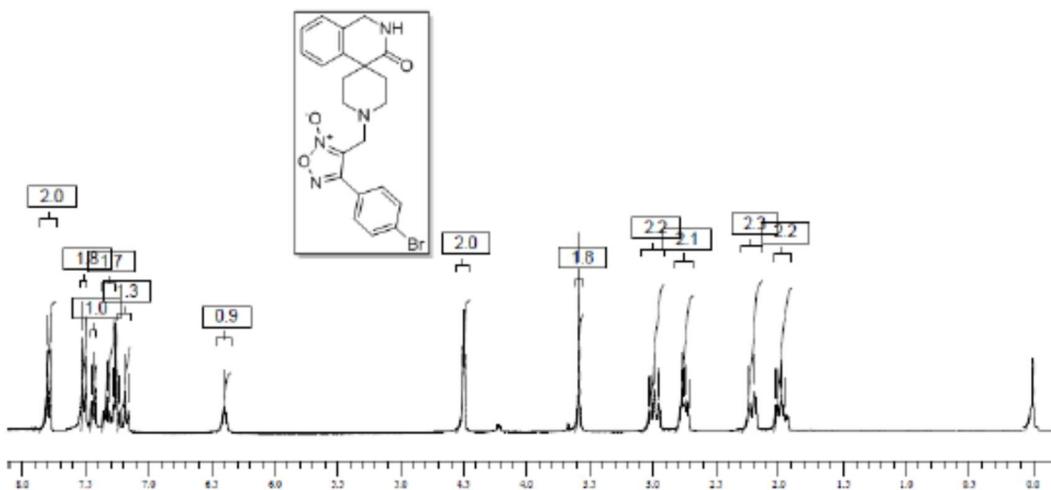
HRMS spectra of 10d



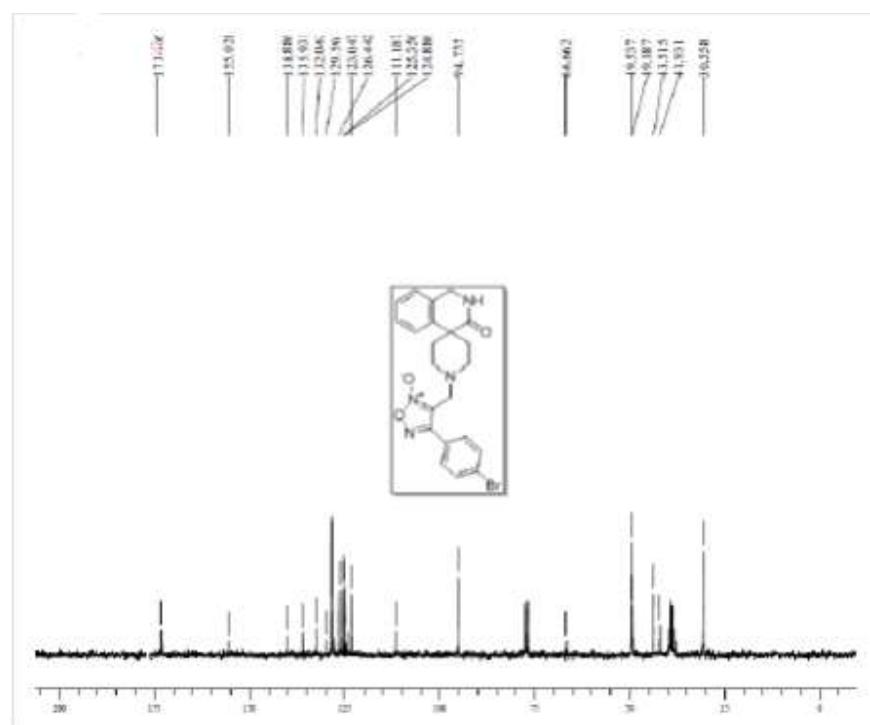
HRMS spectra of 10e



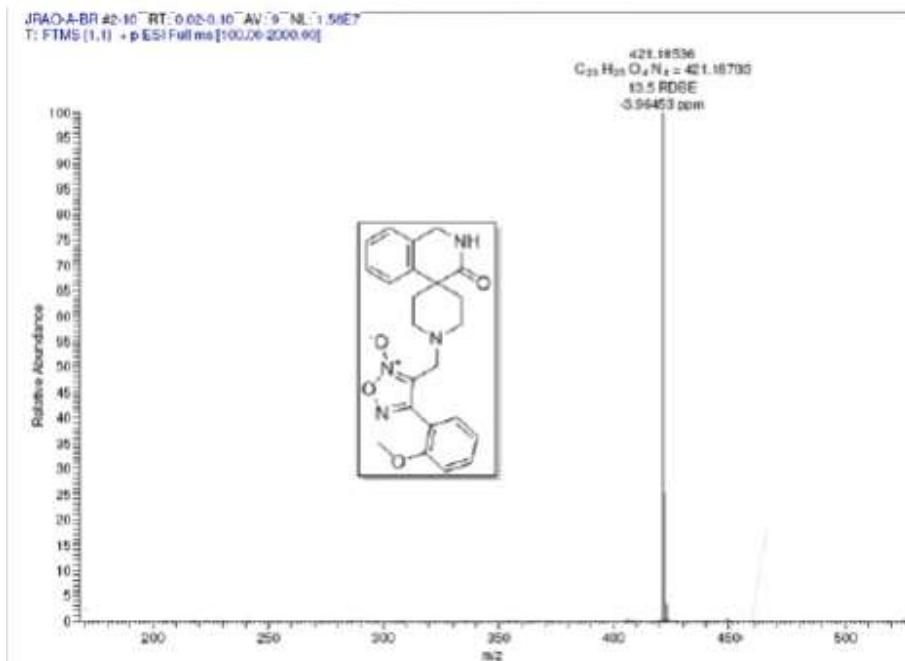
¹H NMR spectra of **10f**



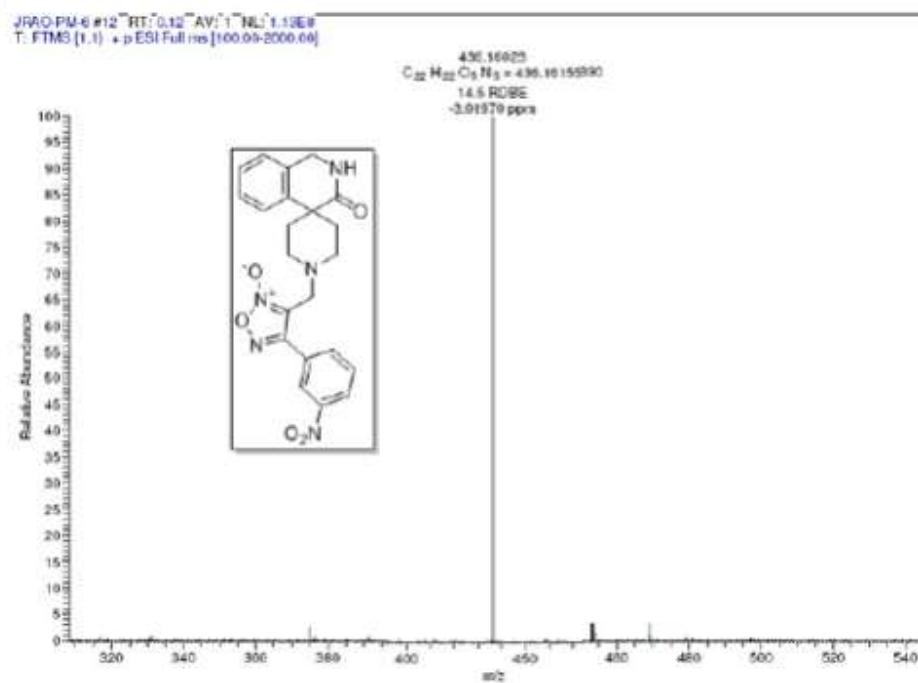
¹³C NMR spectra of **10f**



HRMS spectra of **10g**



HRMS spectra of **10h**



HRMS spectra of **10i**

