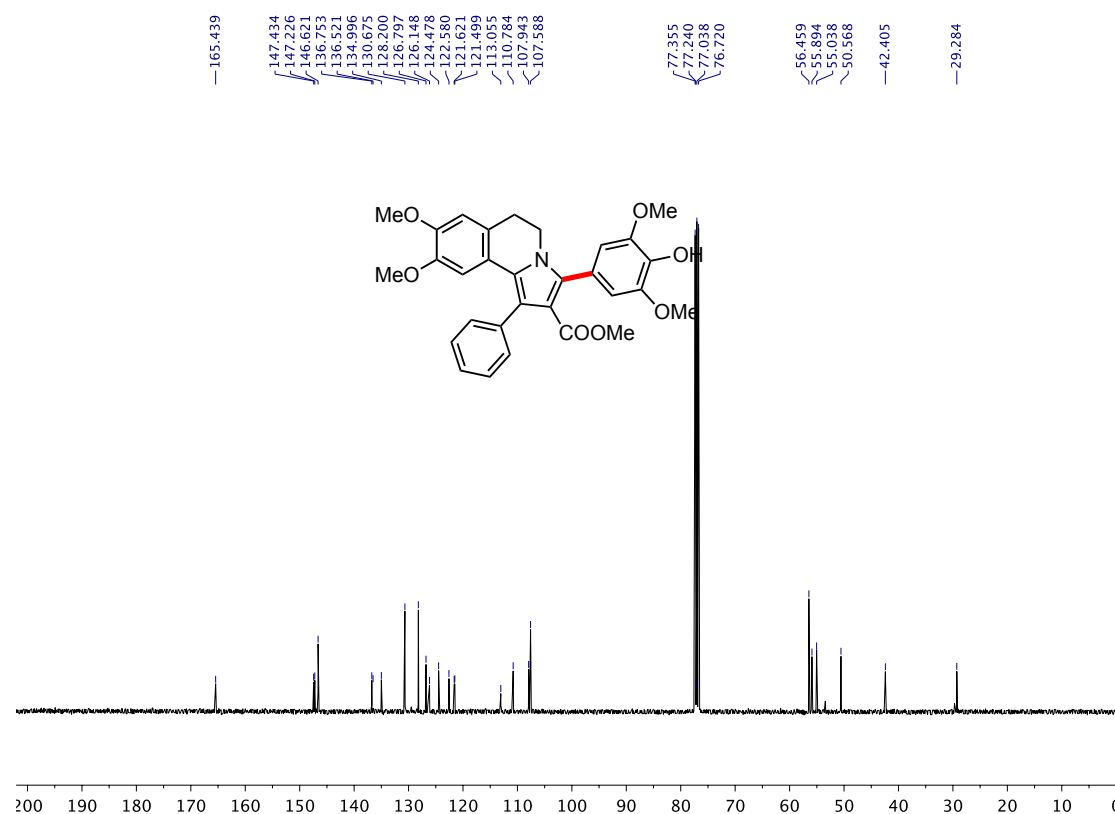
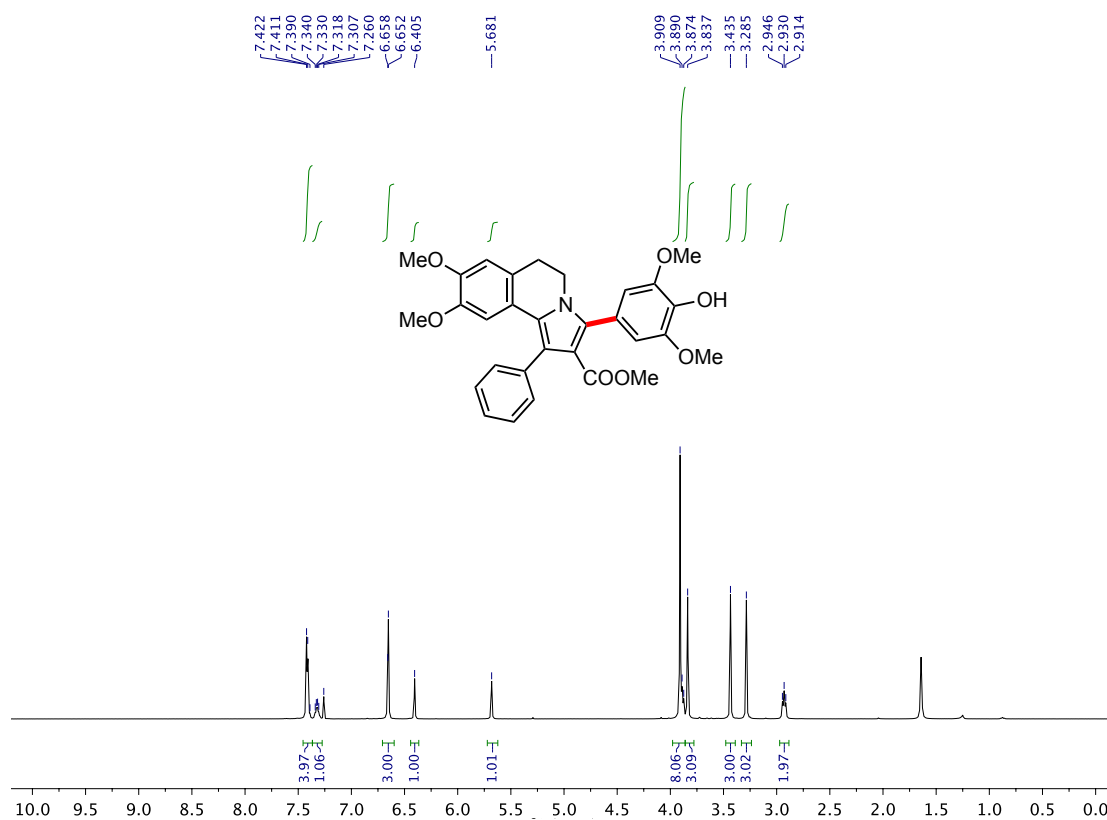


NMR Spectra

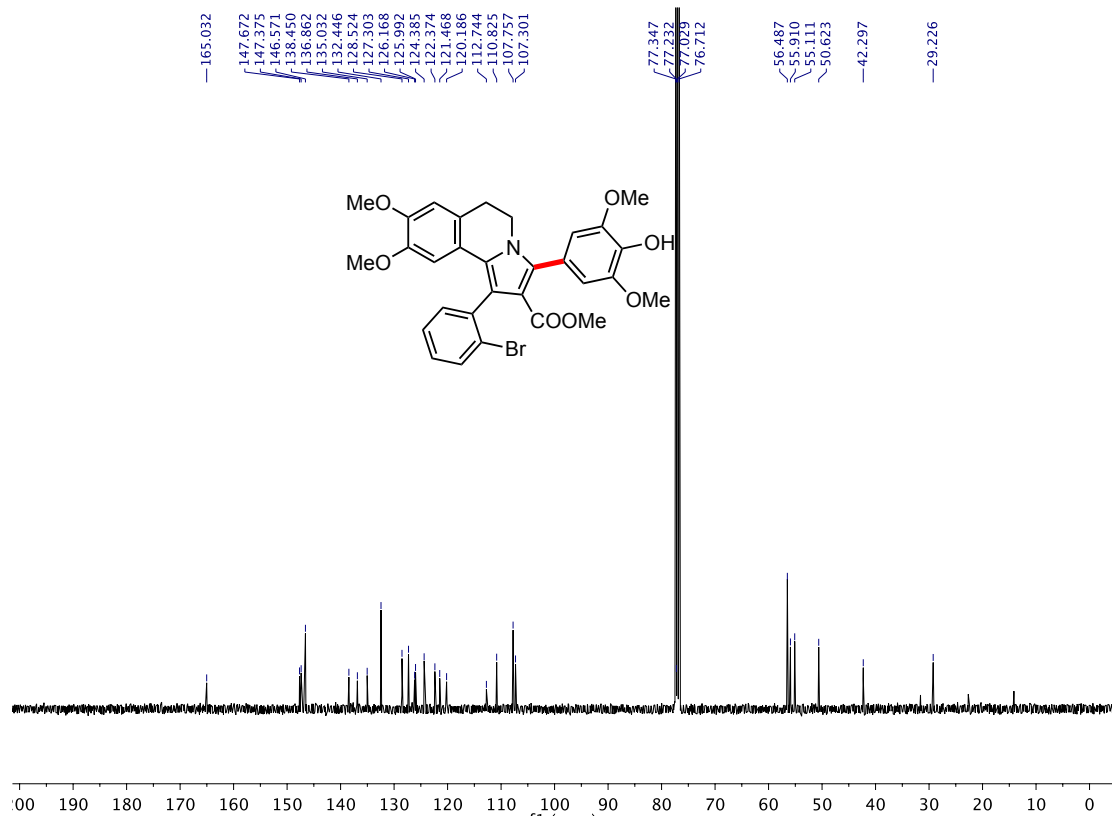
Compound 3a:



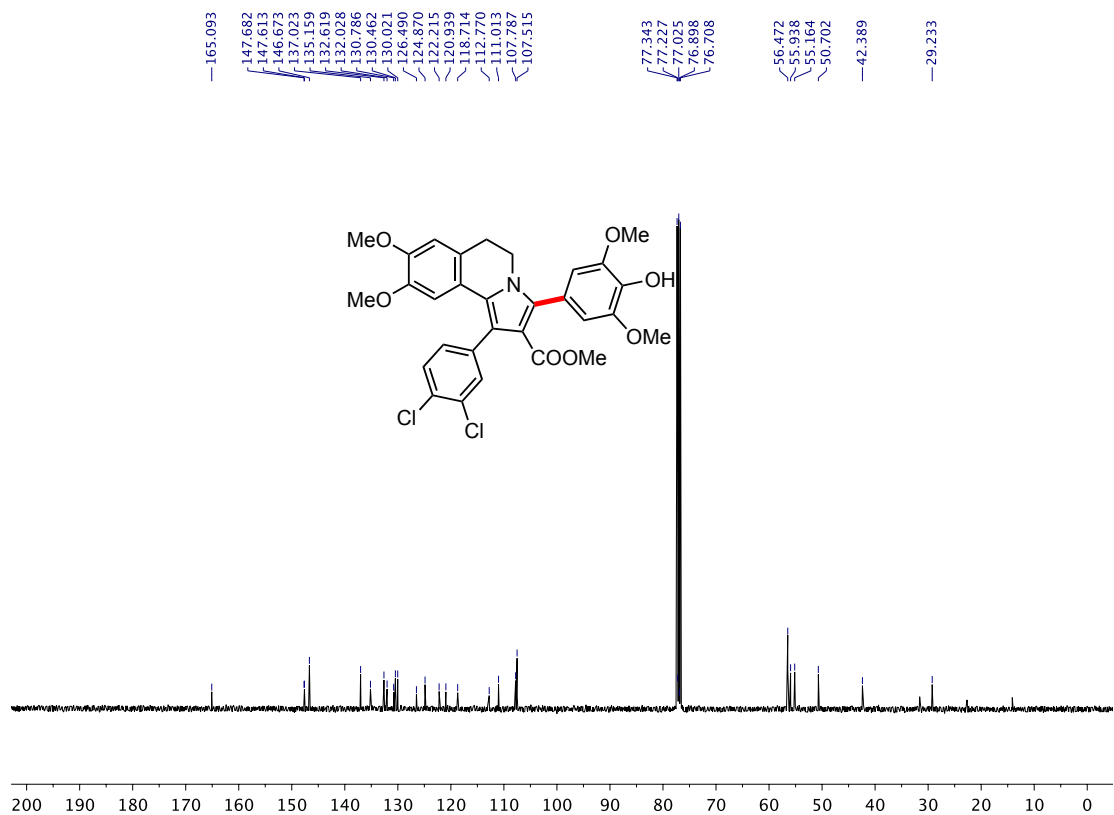
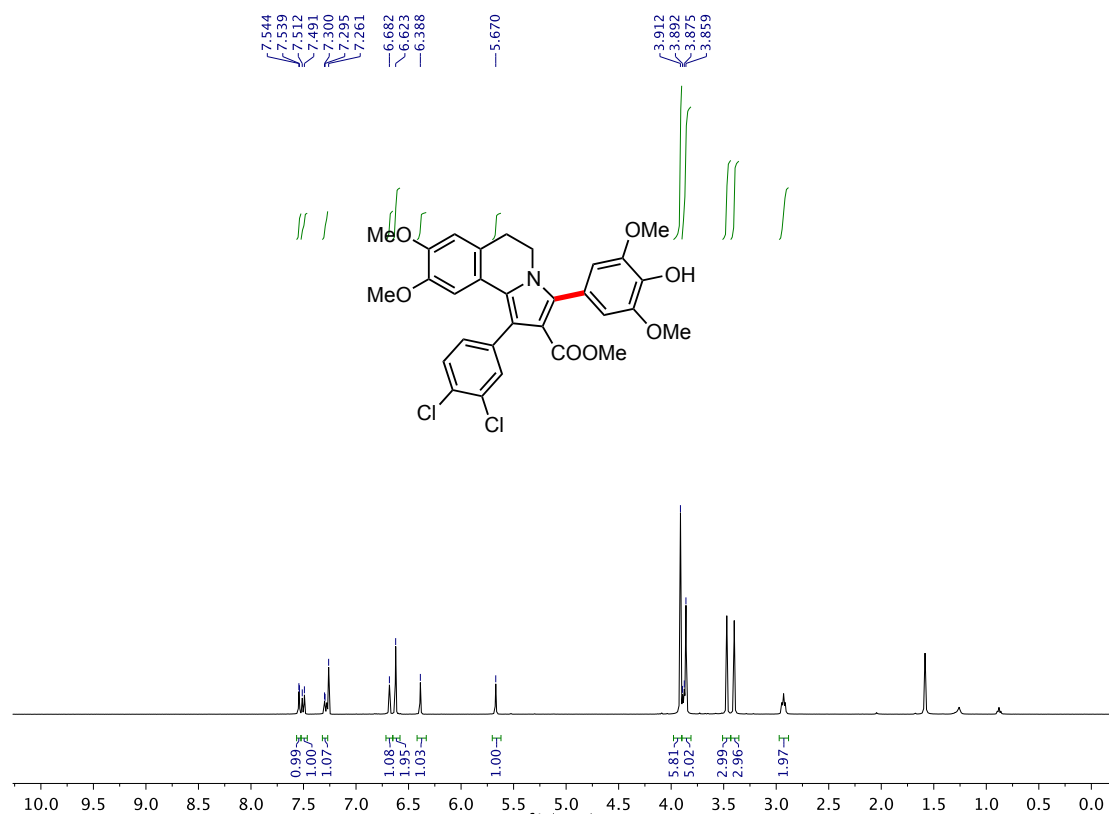
Chemical structure of compound 10 is shown above the spectrum. The structure is a complex molecule with a central benzene ring substituted with a bromine atom, a methoxycarbonyl group, and a 2-methoxy-4-methoxyphenyl group.

¹H NMR spectrum (CDCl₃) of compound 10. The spectrum shows peaks from 2.8 to 7.8 ppm. The chemical structure of compound 10 is shown above the spectrum. The spectrum includes integration values and chemical shift markers.

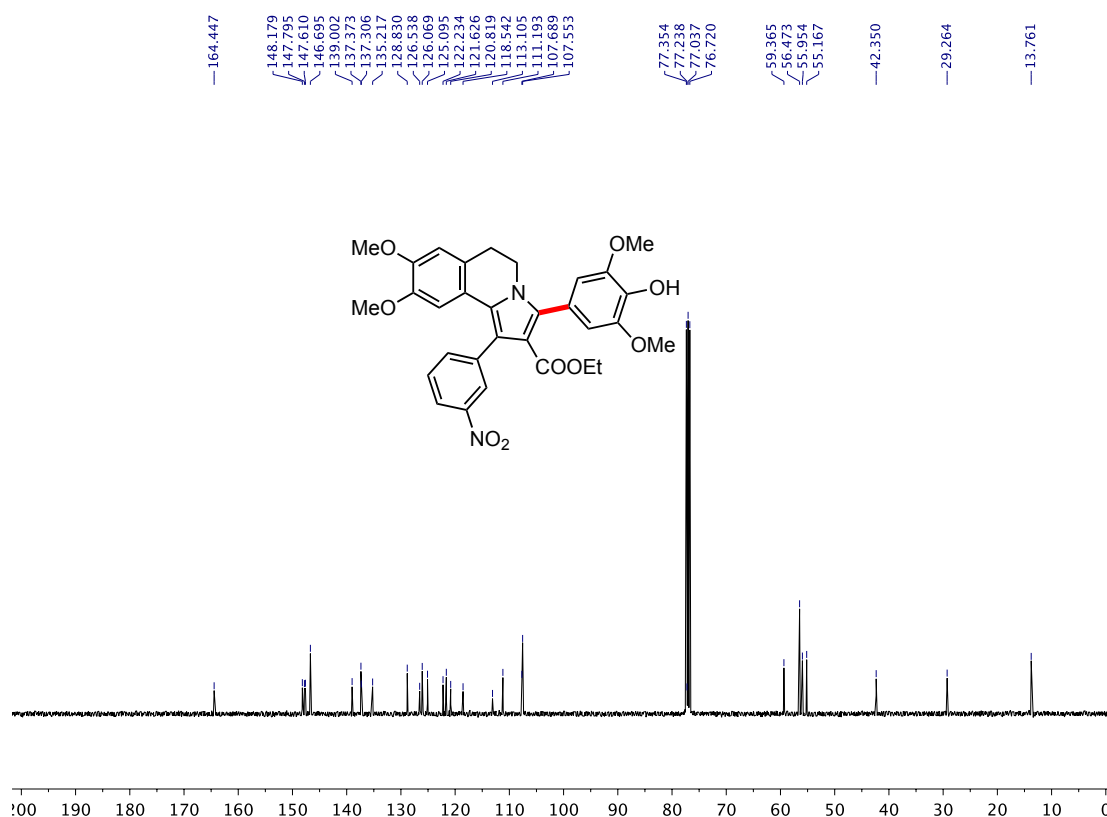
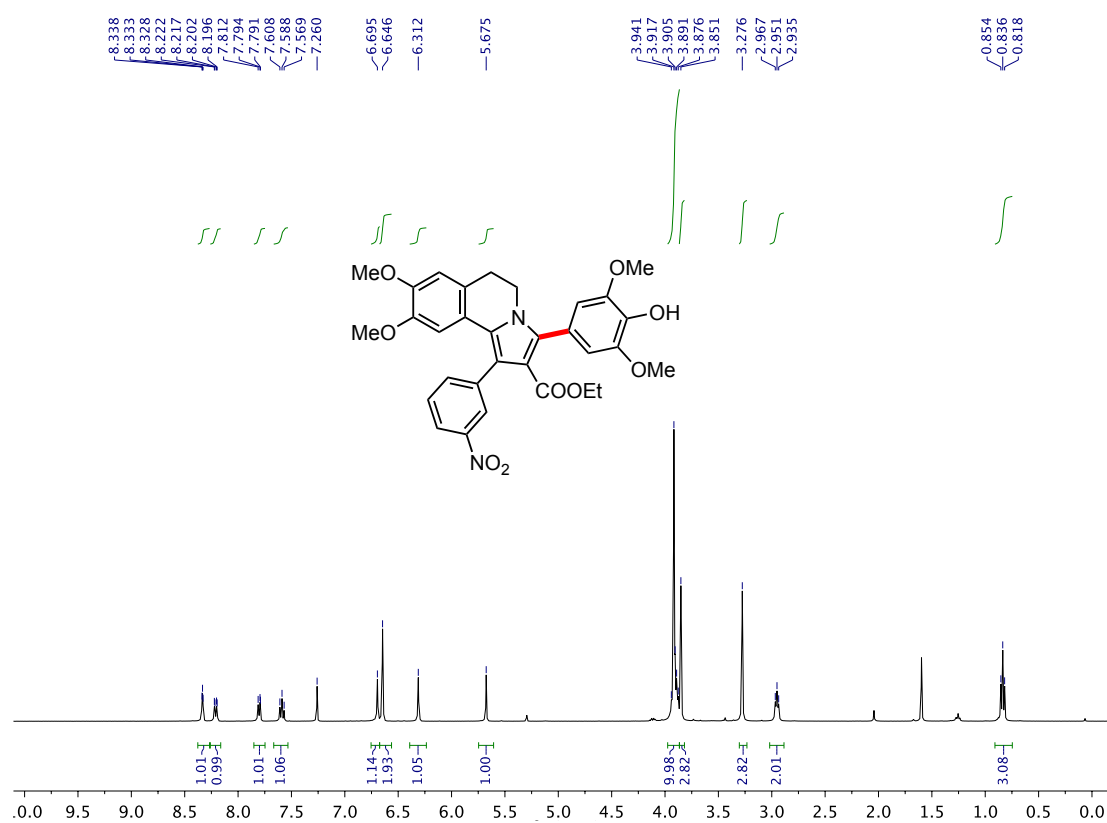
Chemical Shift (ppm)	Integration
7.726, 7.706, 7.415, 7.410, 7.396, 7.392, 7.379, 7.376, 7.361, 7.358, 7.342, 7.339, 7.264, 7.234, 7.229, 7.215, 7.211, 7.196, 7.192, 6.066, 6.316, 5.673	1.04, 2.04, 0.92, 2.98, 1.03, 1.00
3.986, 3.976, 3.959, 3.941, 3.921, 3.890, 3.880, 3.873, 3.841, 3.440, 3.319, 3.019, 3.006, 2.995, 2.981, 2.967, 2.956, 2.943, 2.929, 2.916, 2.902, 2.891, 2.877, 2.863	8.28, 3.05, 2.99, 3.04, 2.10



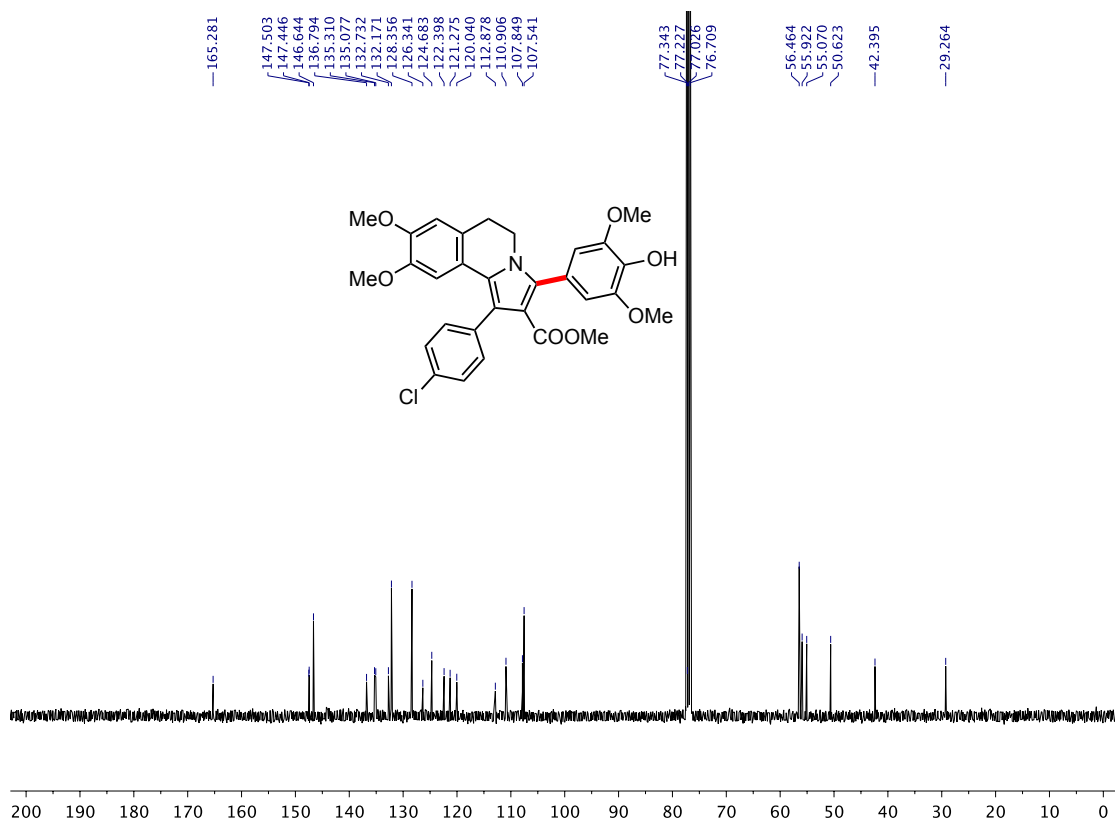
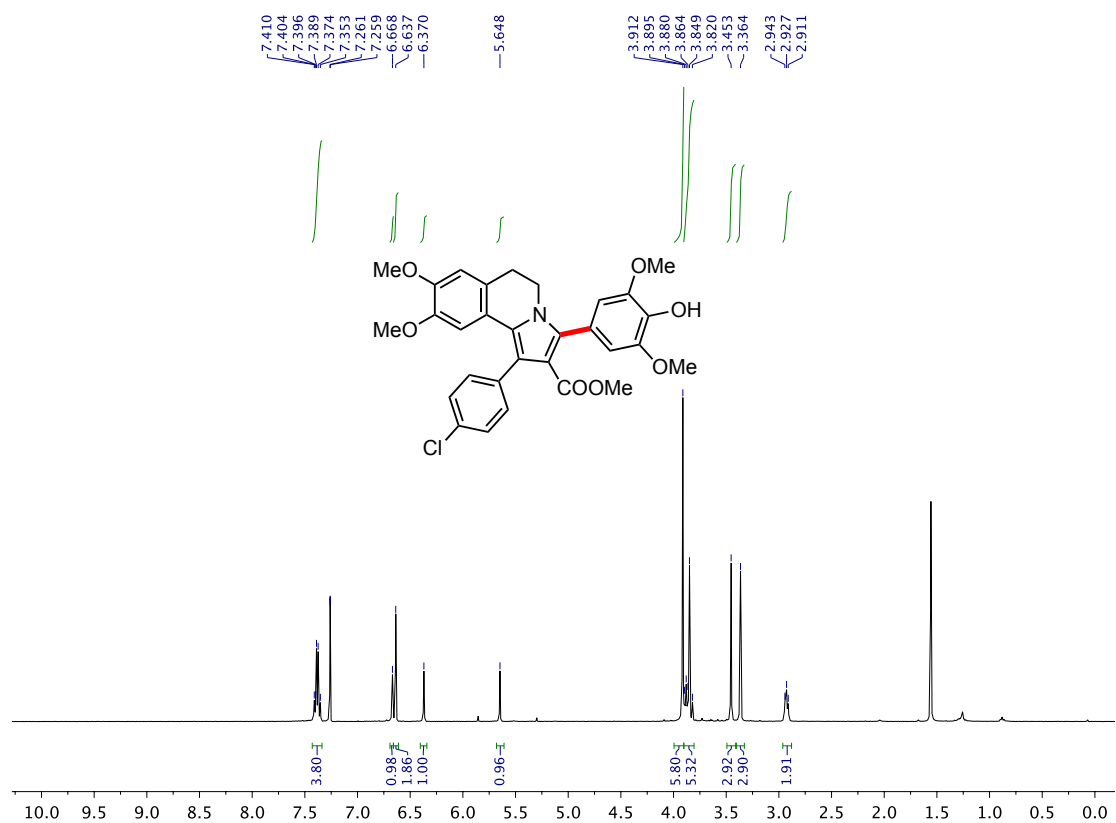
Compound 3c:



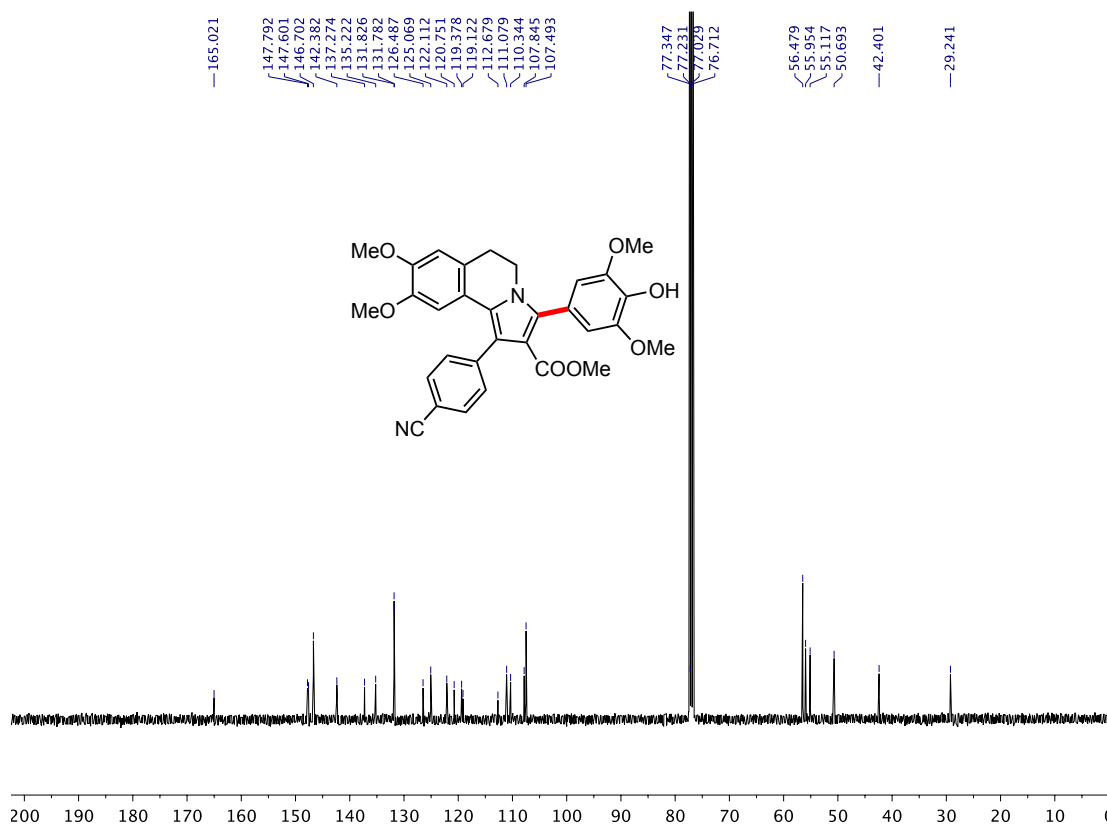
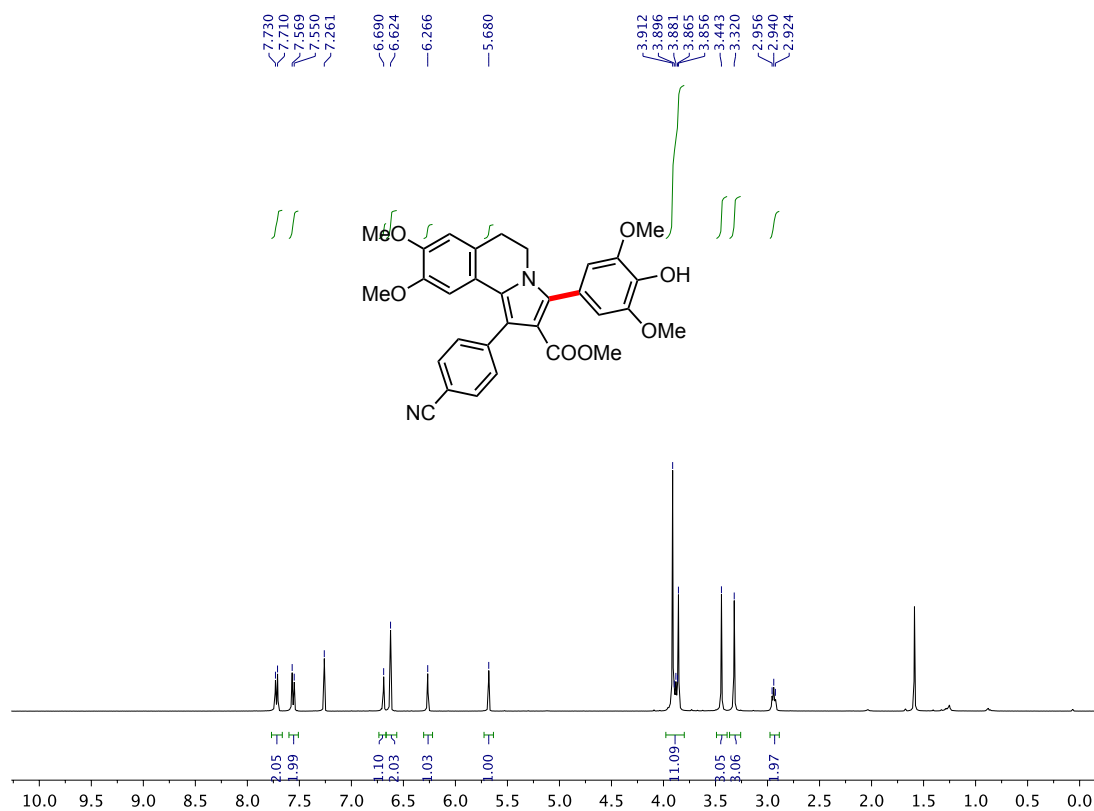
Compound 3d:



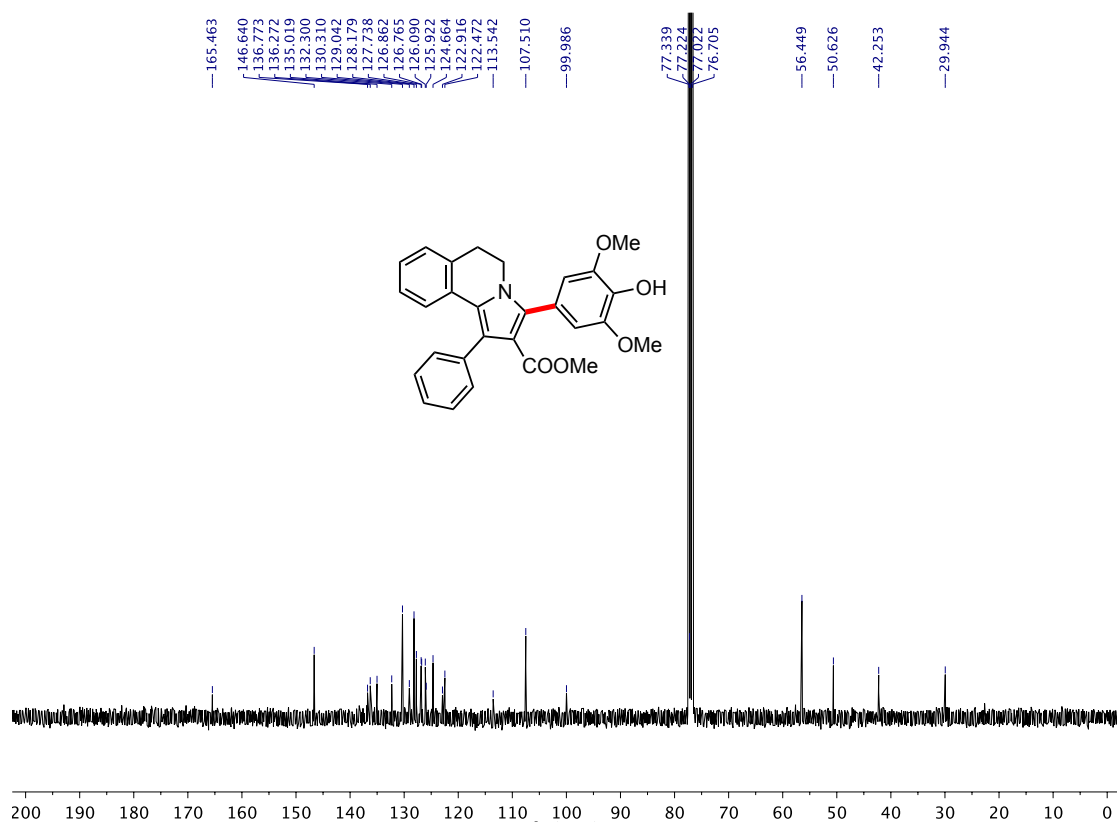
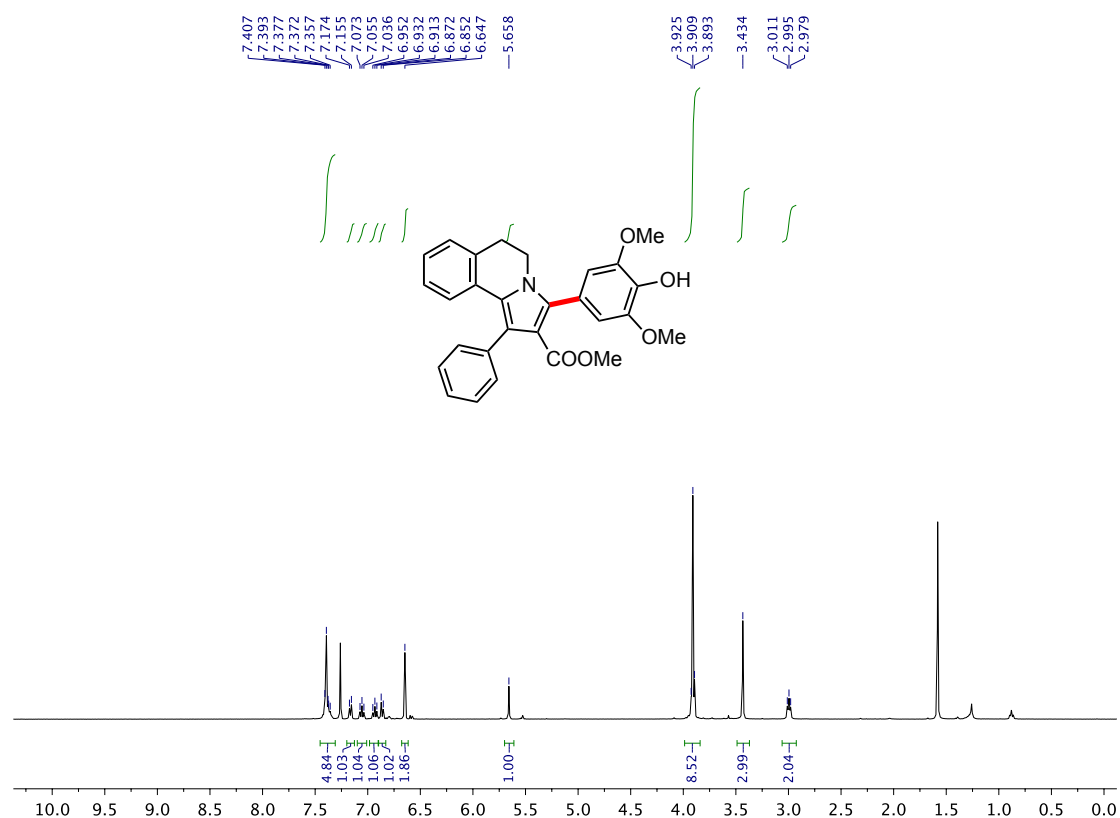
Compound 3e:



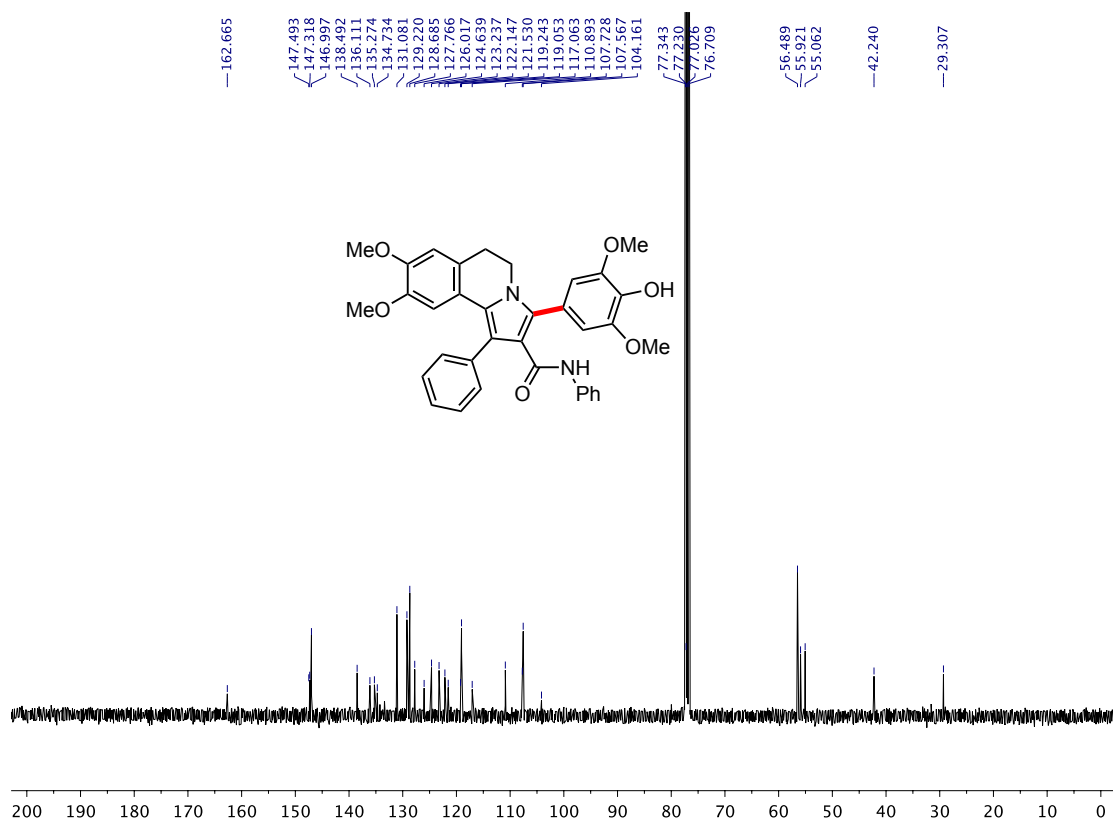
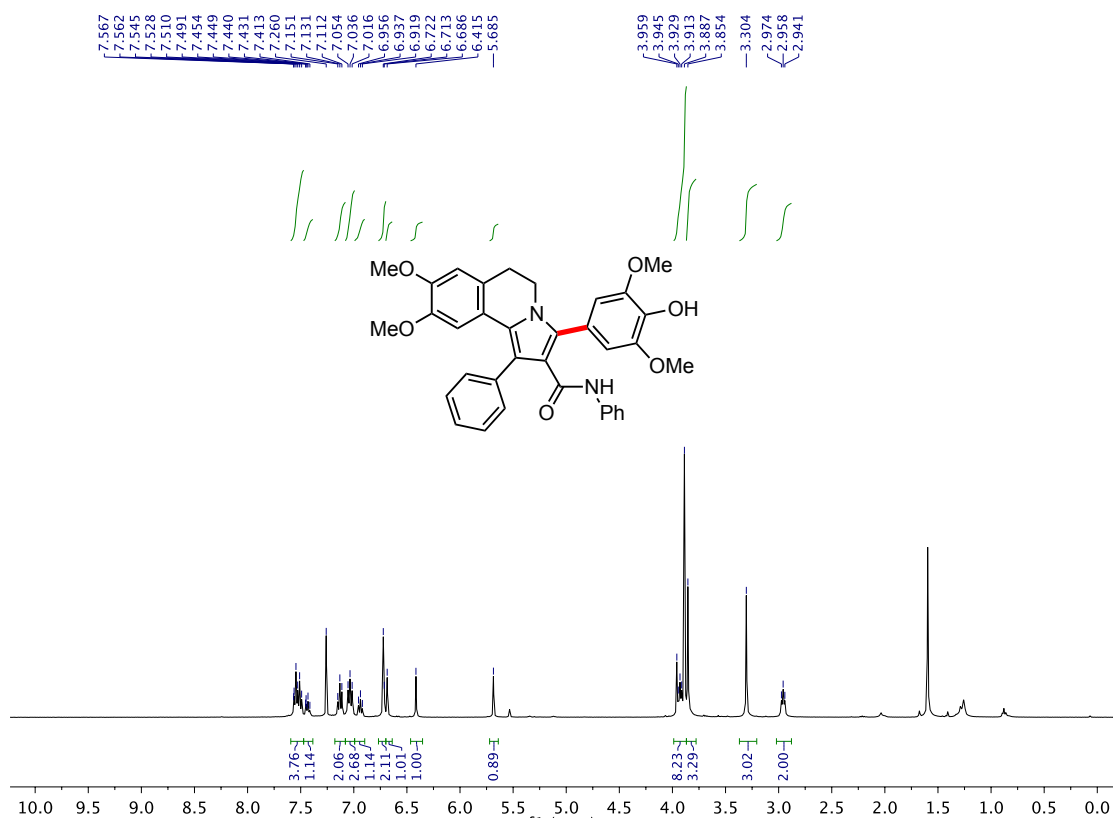
Compound 3f:



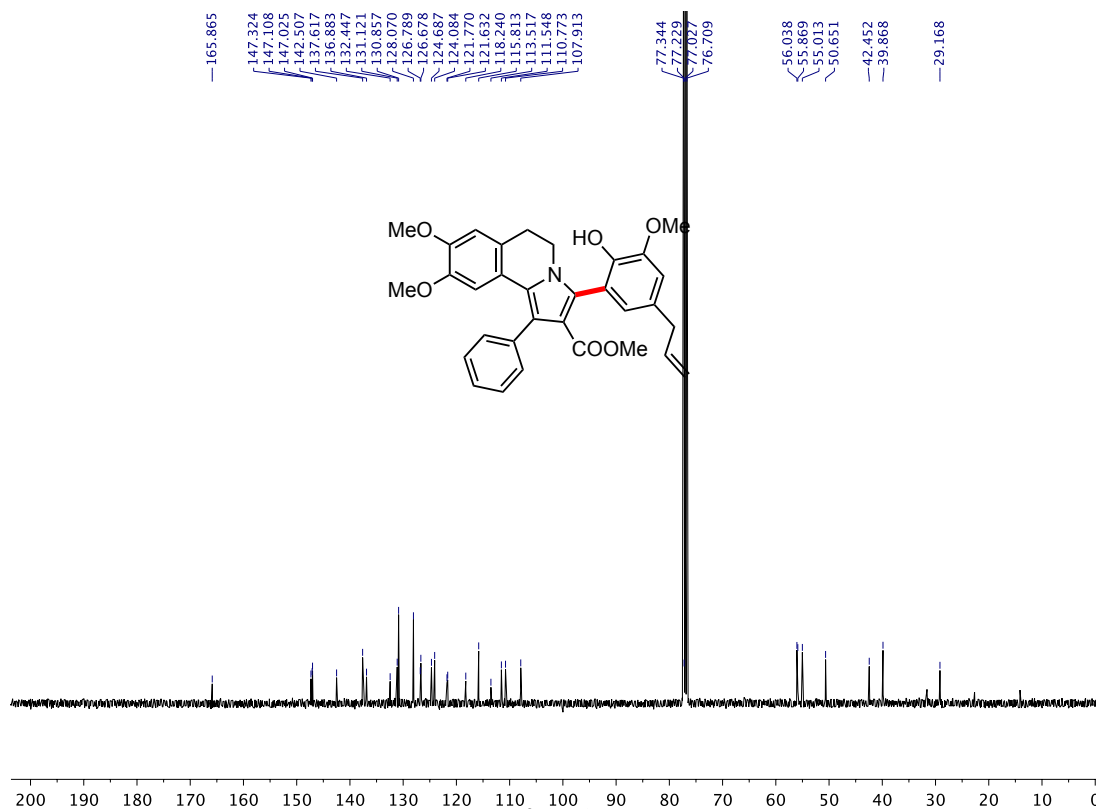
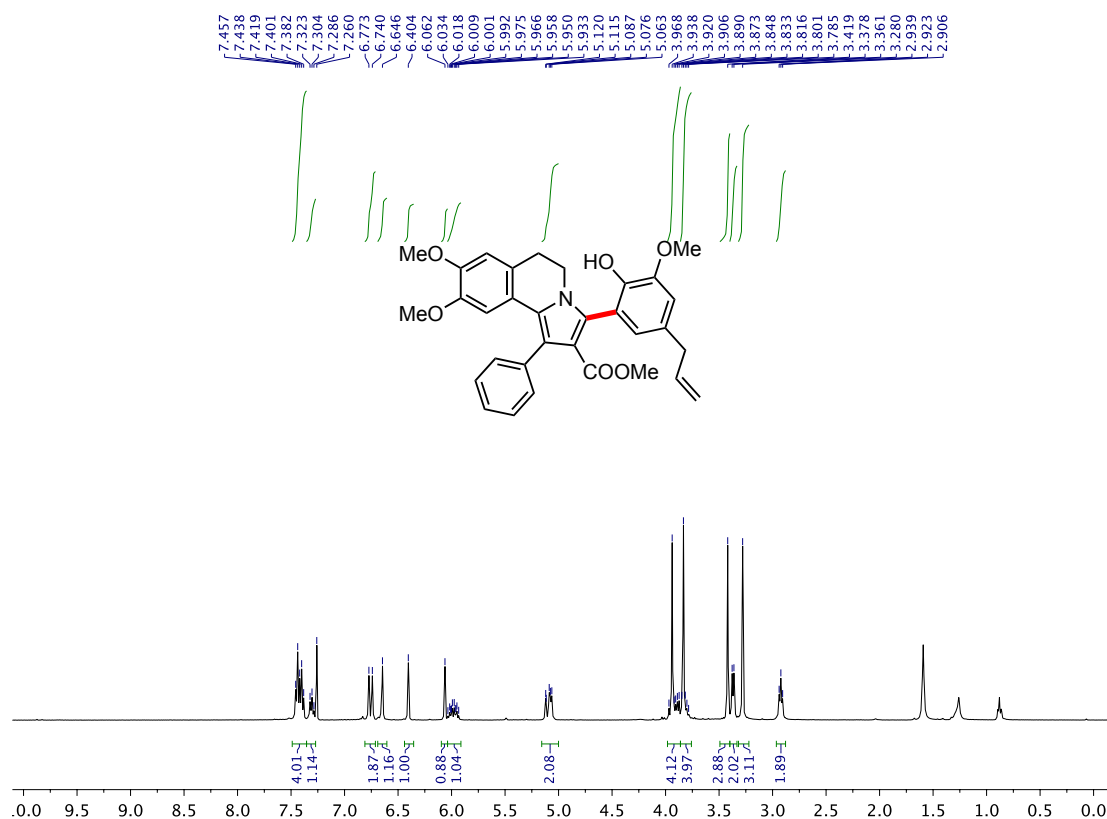
Compound 3g:



Compound 3h:



Compound 3i:



Chemical structure of compound 10 is shown above the spectrum. The structure is a complex molecule with a central benzene ring substituted with a methoxy group (OMe), a hydroxyl group (OH), a methyl ester group (COOMe), and a phenyl group.

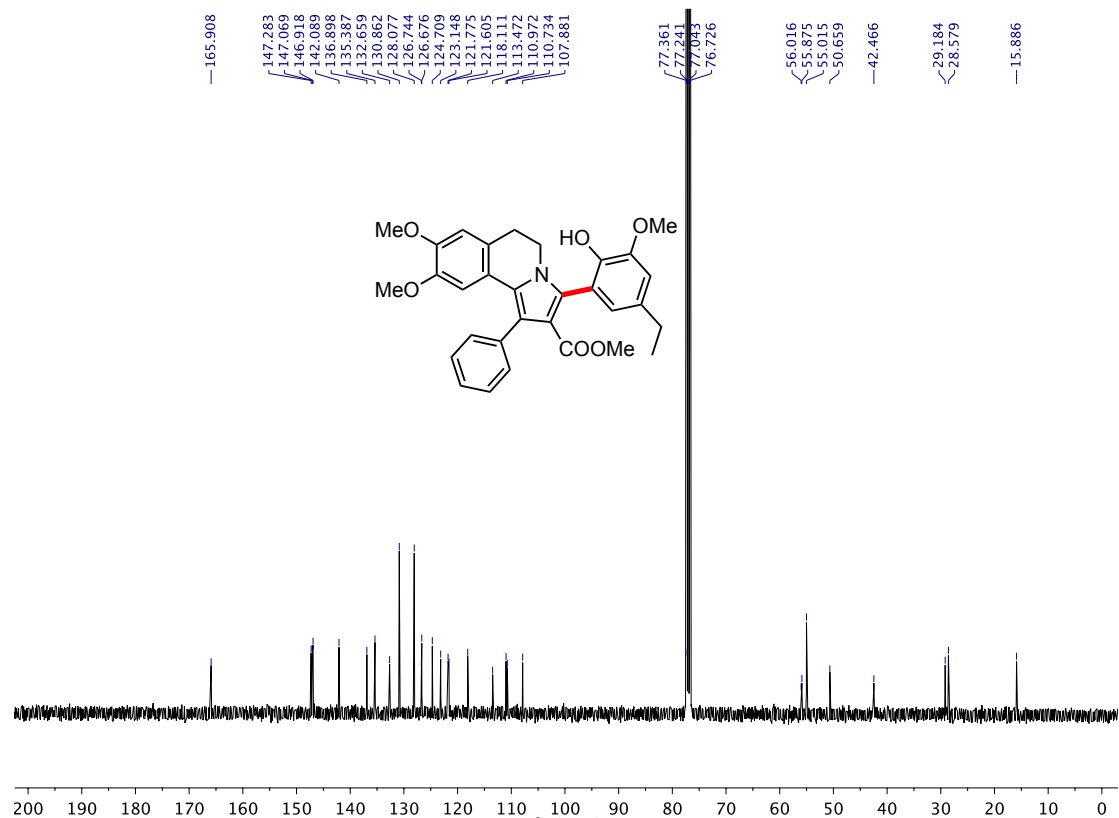
¹H NMR spectrum (CDCl₃) of compound 10. The x-axis represents chemical shift (ppm) from 0.0 to 10.0. The spectrum shows several peaks, with integration values provided for each group of peaks.

Chemical shift values (ppm) are listed on the right side of the spectrum:

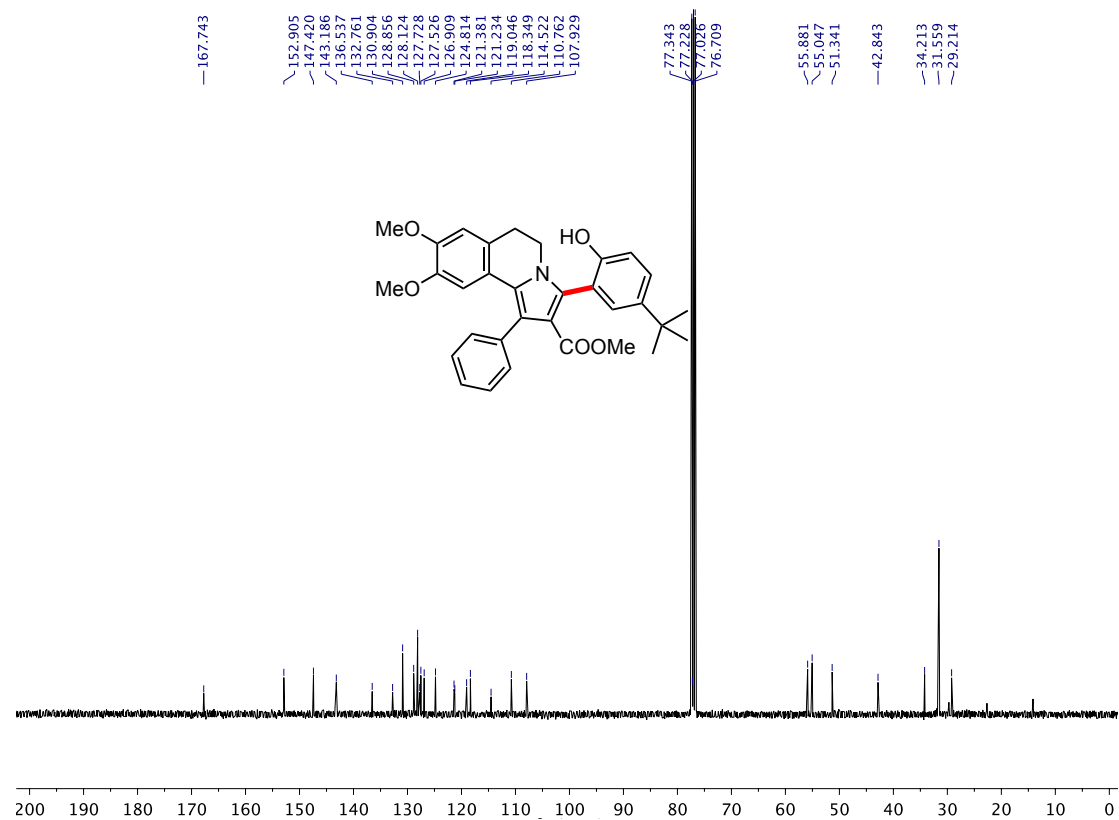
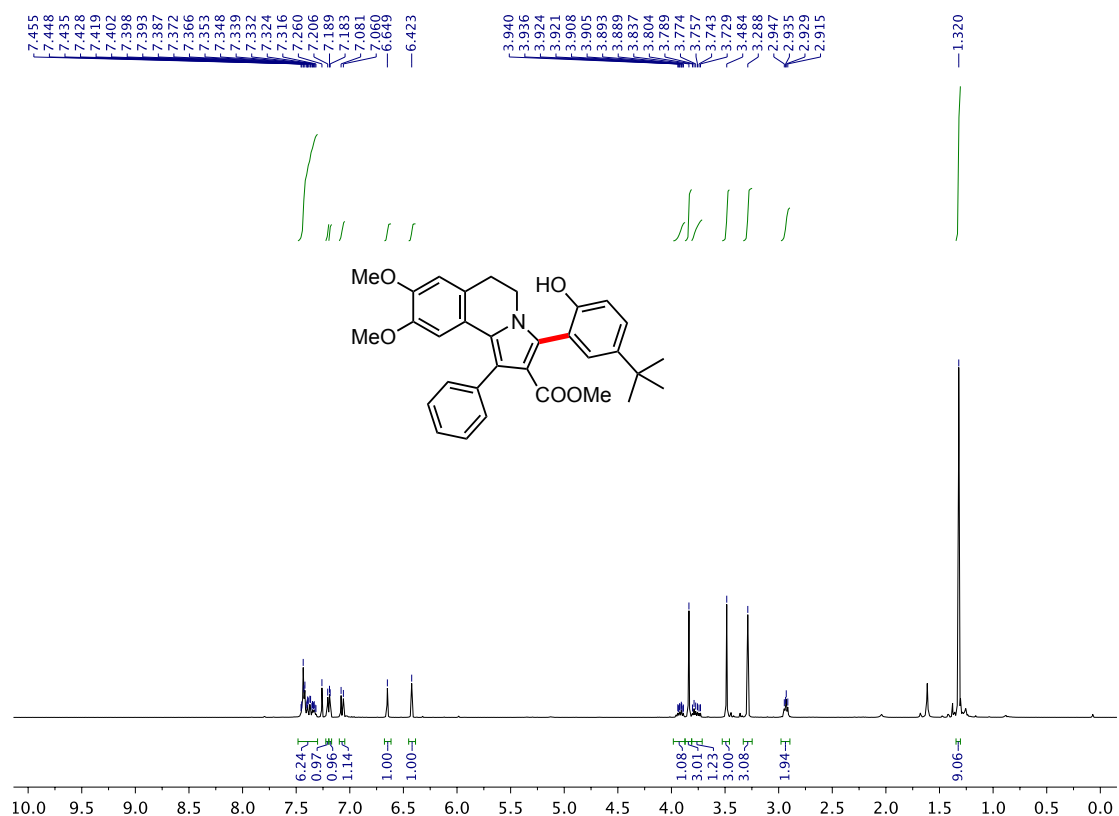
- 7.464, 7.461, 7.444, 7.421, 7.403, 7.384, 7.325, 7.322, 7.319, 7.305, 7.287, 7.261, 6.792, 6.787, 6.747, 6.742, 6.648, 6.410, 6.036
- 3.945, 3.930, 3.926, 3.917, 3.900, 3.884, 3.867, 3.845, 3.835, 3.813, 3.783, 3.763, 3.021, 3.005, 2.987, 2.664, 2.645, 2.626, 2.607
- 1.267, 1.249, 1.230

Integration values are provided for each group of peaks:

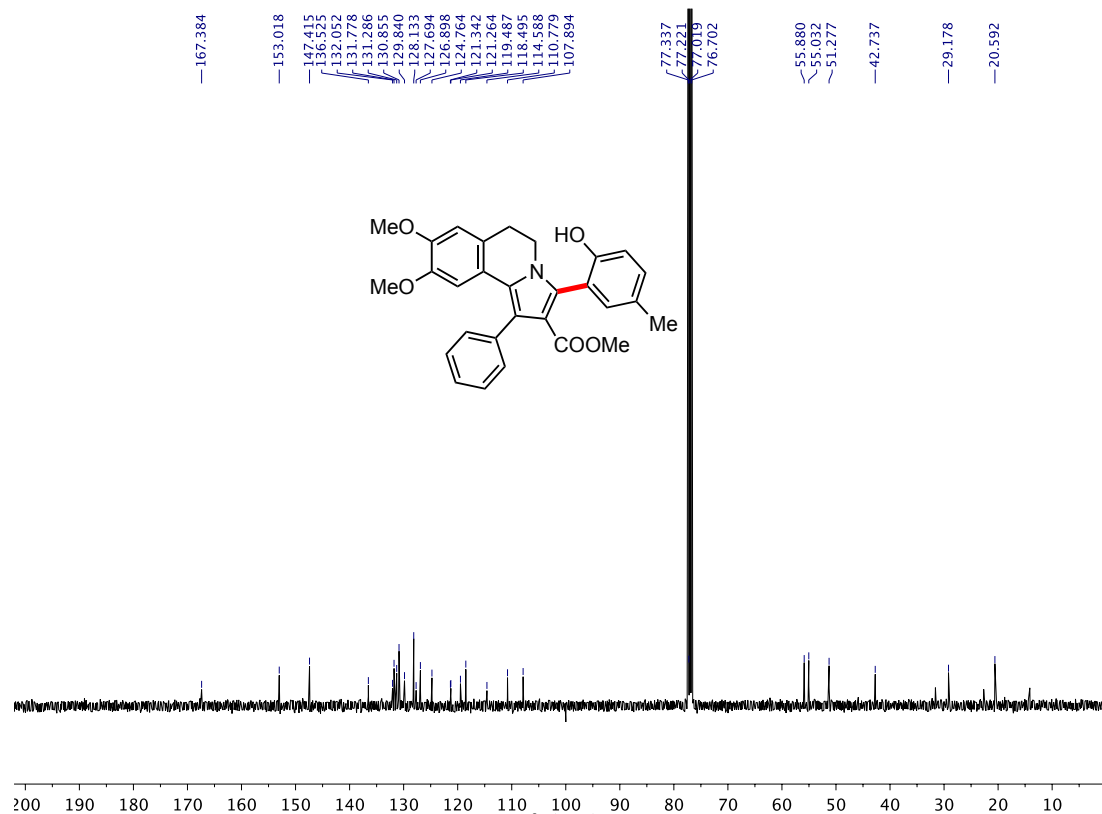
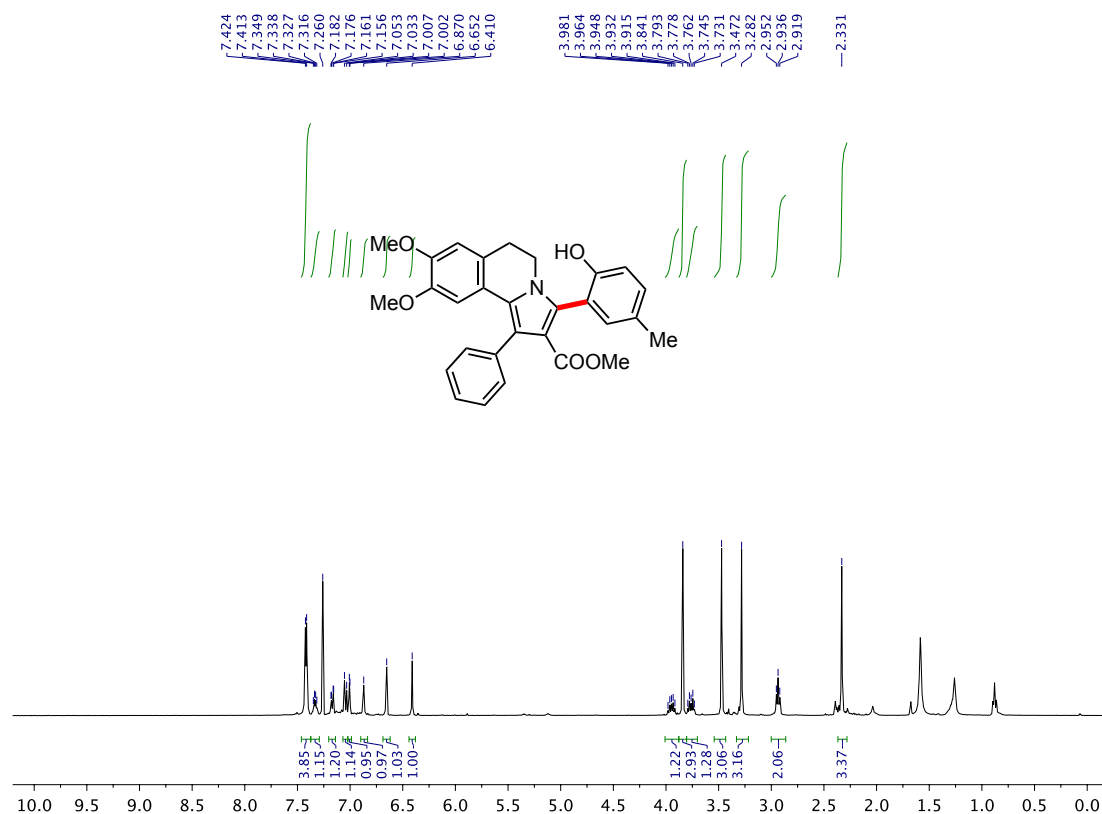
- 1.93, 1.97, 1.04
- 1.13, 1.09, 1.02, 0.95
- 0.93
- 4.19, 4.32
- 3.00, 3.06
- 1.99
- 2.07
- 3.70



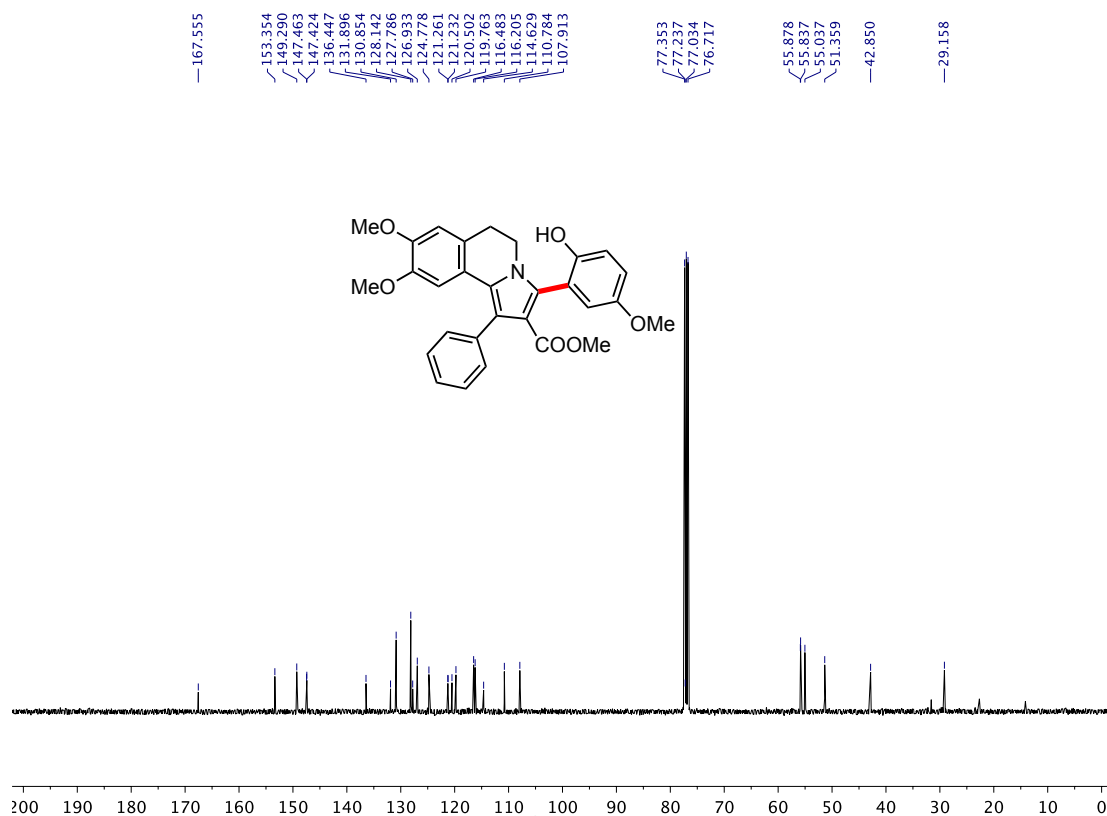
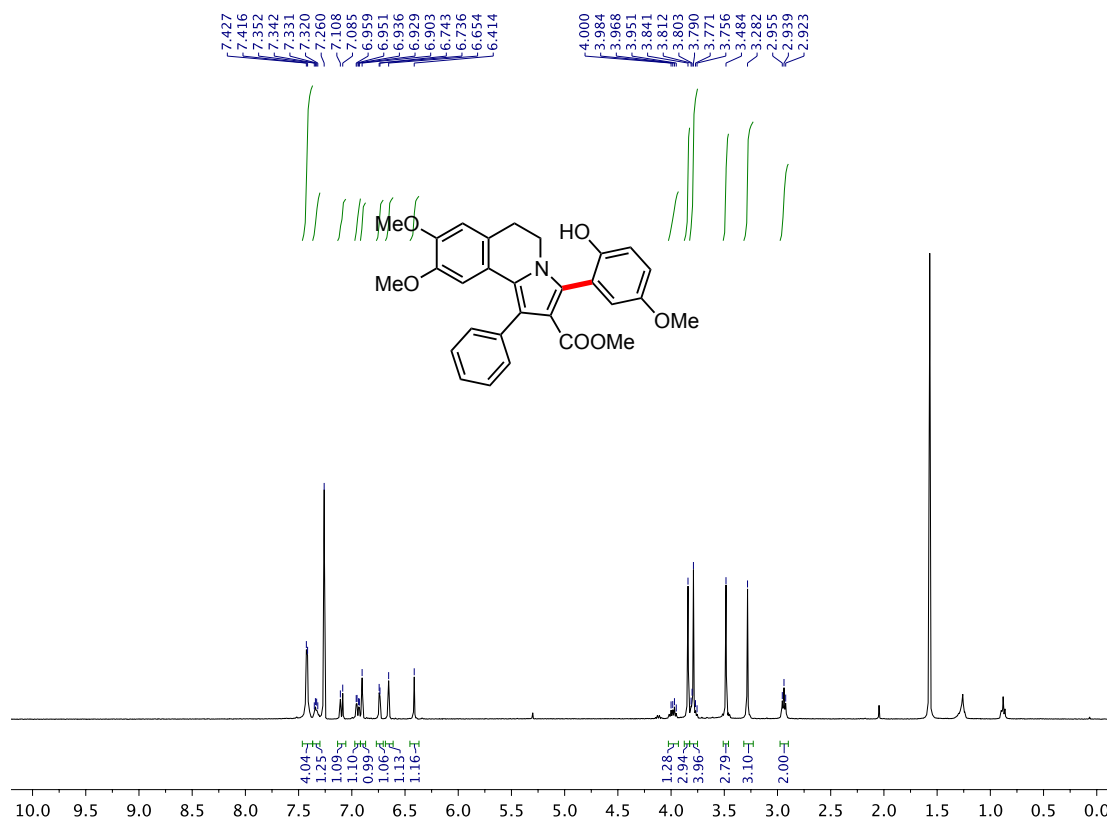
Compound 3k:



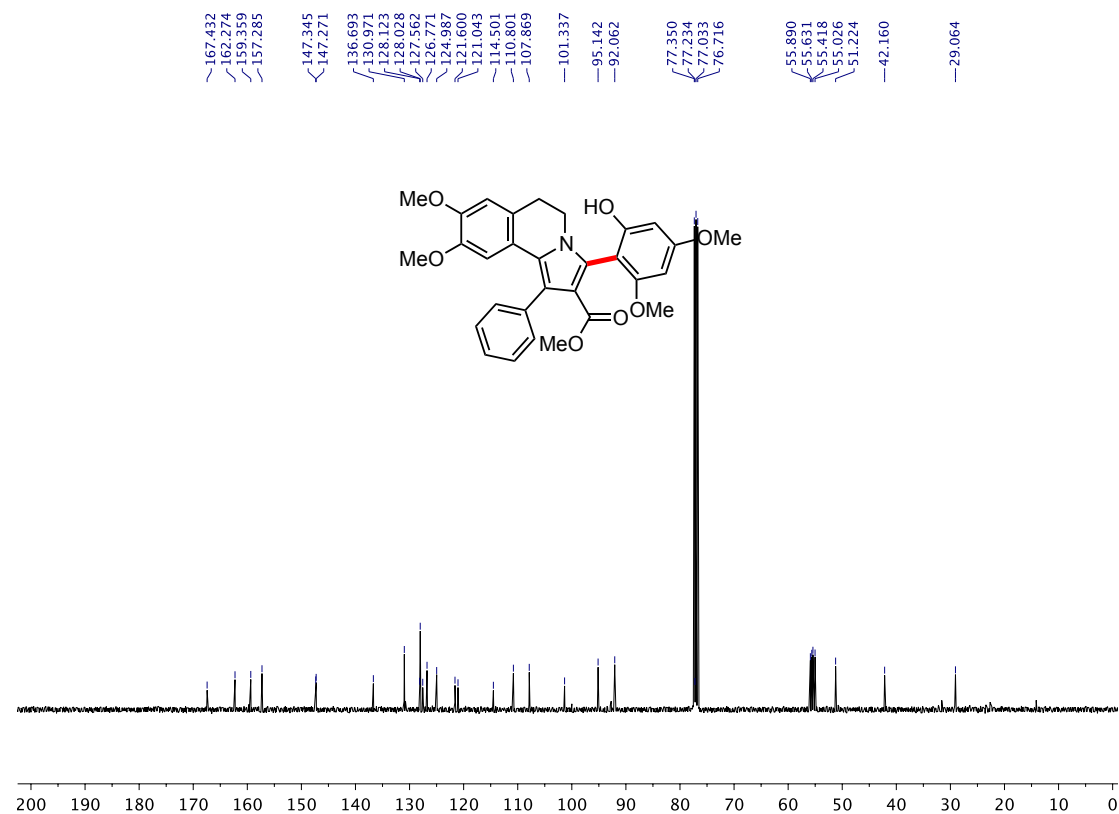
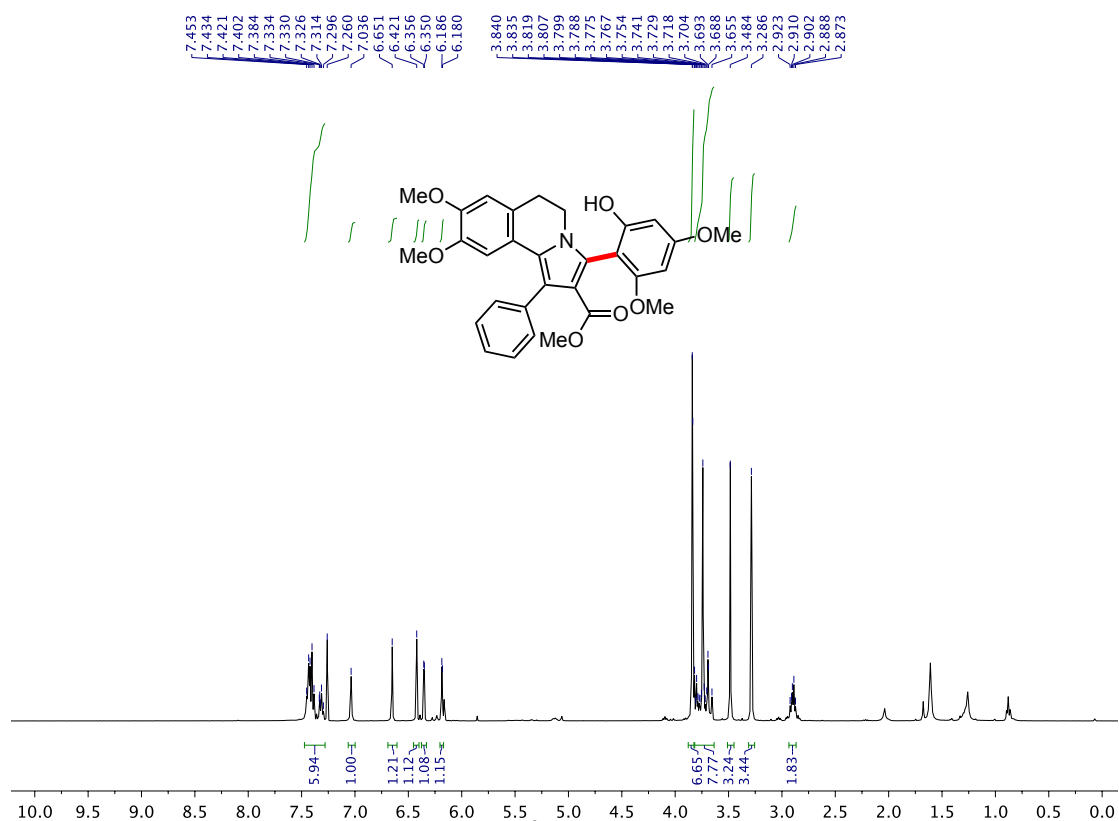
Compound 3l:



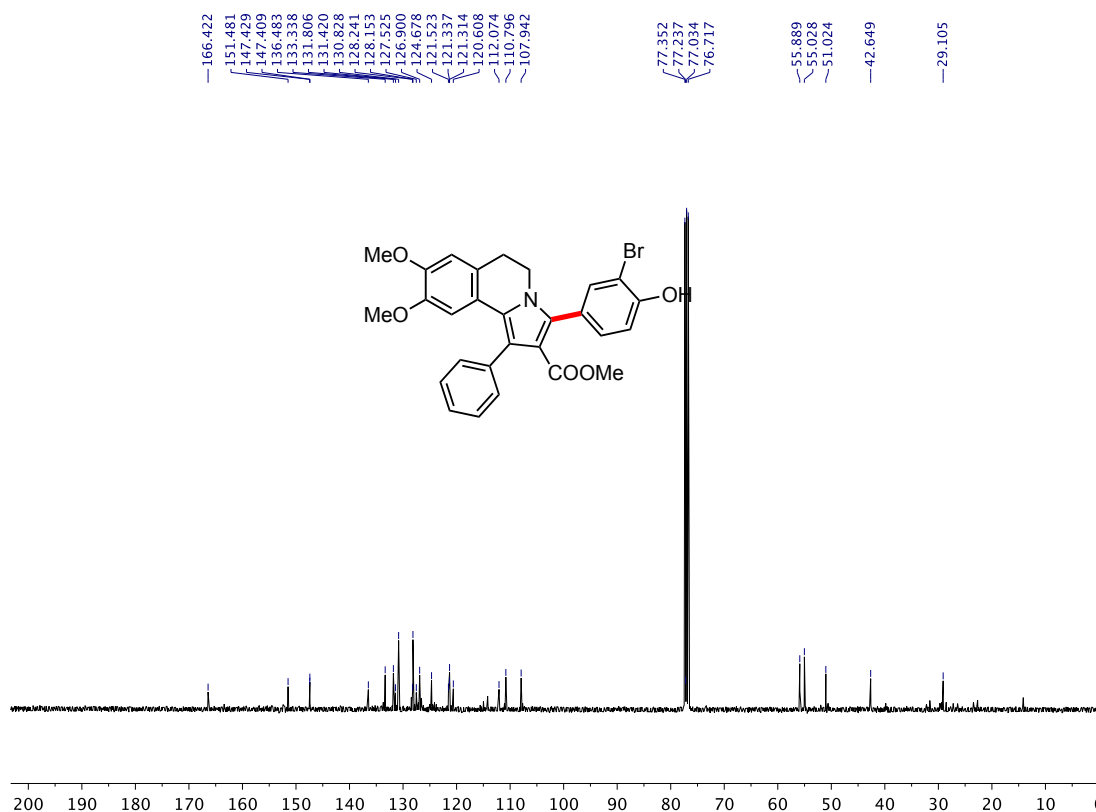
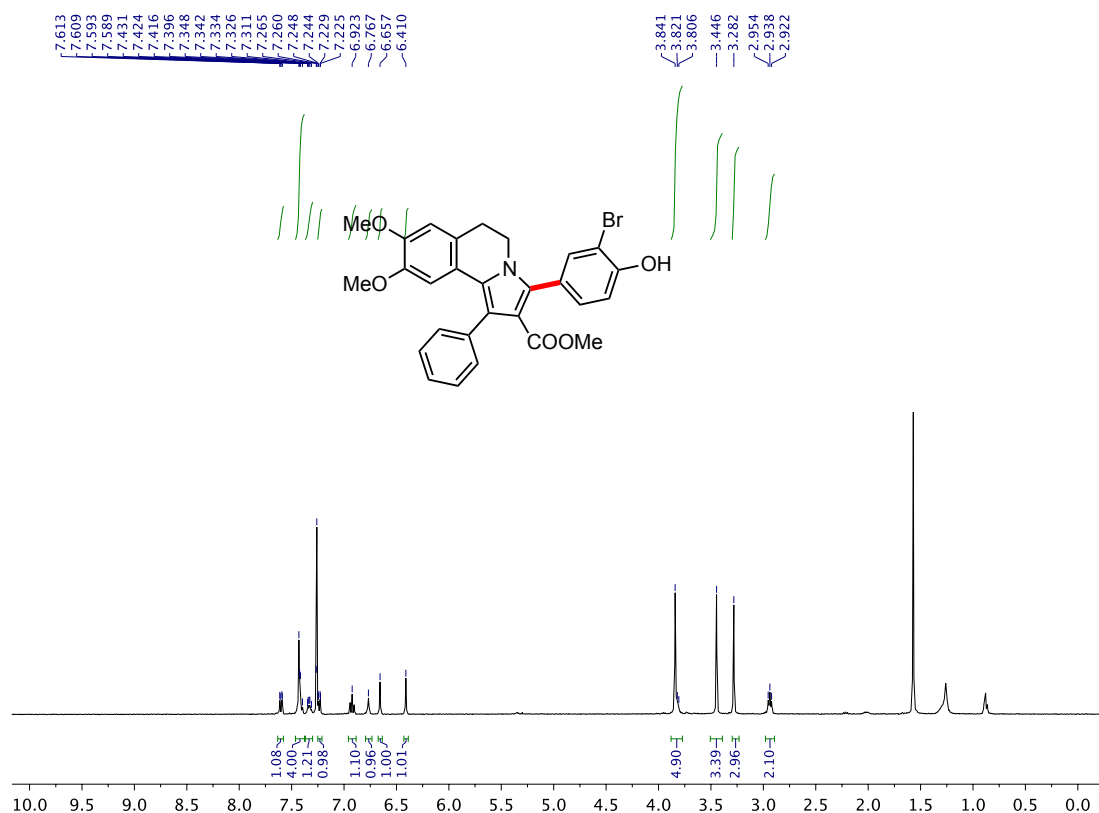
Compound 3m:



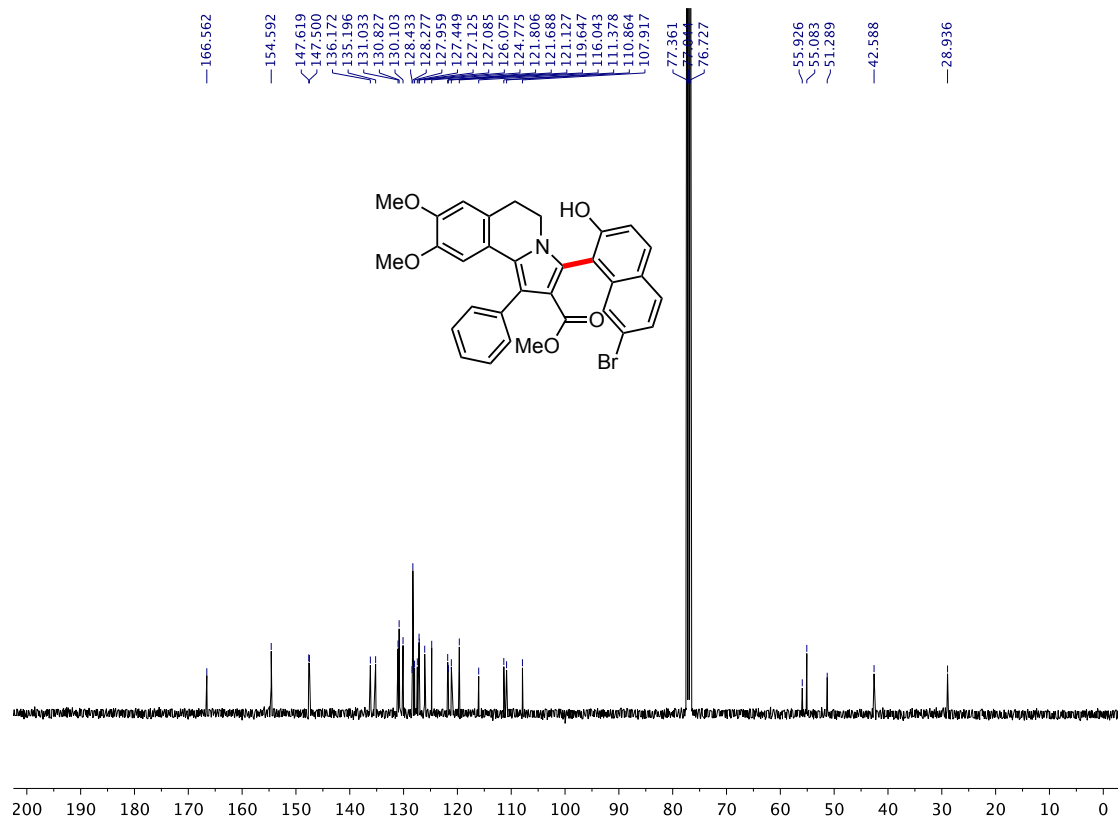
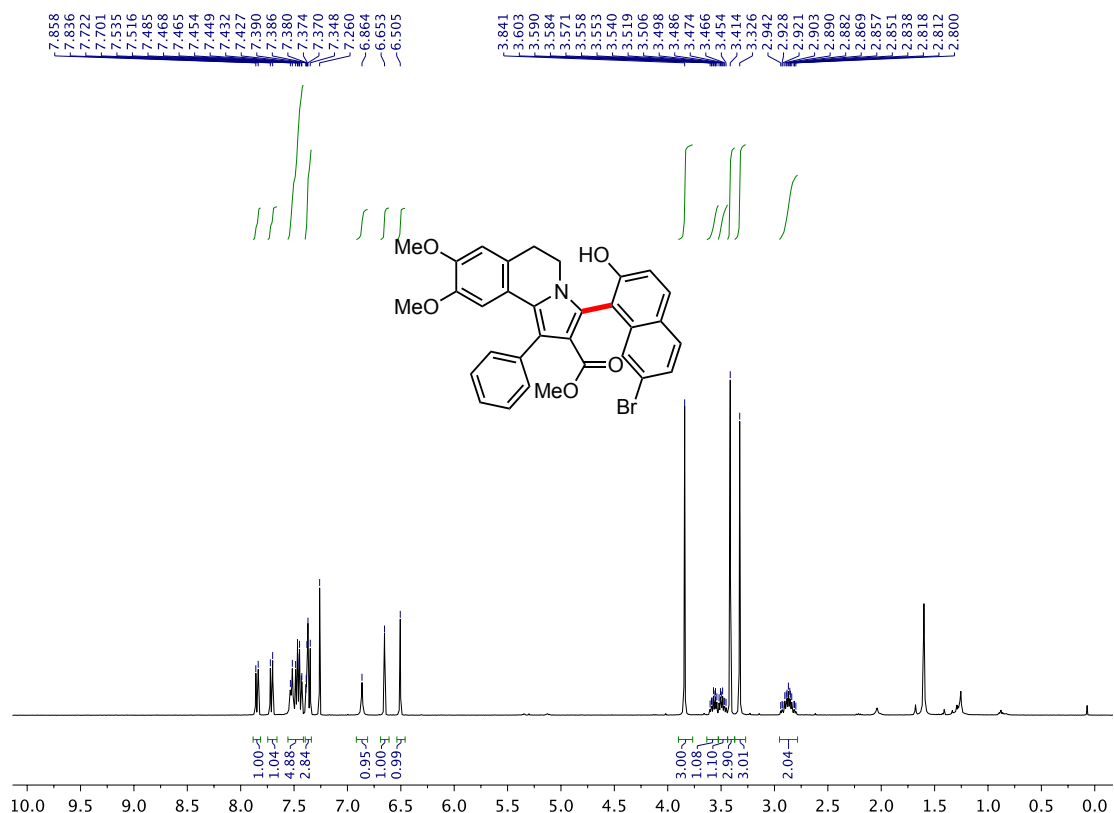
Compound 3n:



Compound 3o:



Compound 3p:



Compound 4:

