#### Hexafluoroisopropyl alcohol mediated synthesis of 2,3-dihydro-4H-pyrido[1,2-a]pyrimidin-4-ones

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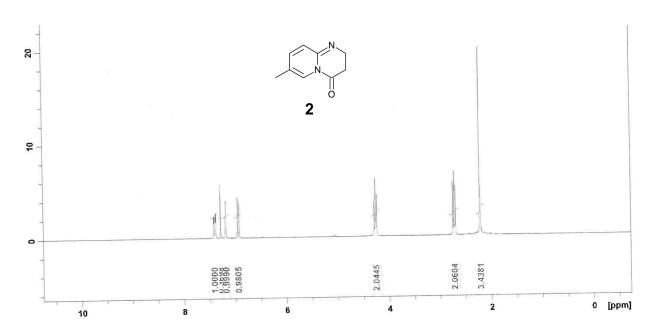
#### Materials and instrumentation

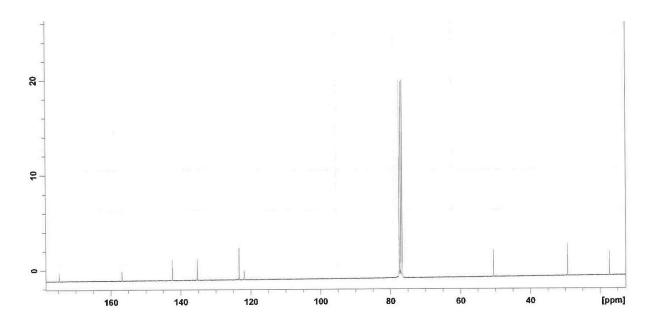
All commercial chemicals and solvents are reagent grade and were used without further treatment unless otherwise noted. <sup>1</sup>H NMR spectra were obtained with a Varian Mercury-300MHz with TMS as internal standard. <sup>13</sup>C NMR spectra were obtained with a Varian Mercury-75MHz with TMS as internal standard. 13C NMR were obtained by proton-decoupled data. IR spectra were recorded in Thermo Scientific NICOLET IS10. The ESI-FTMS Mass spectra were recorded Bruker ApexII-FTMS system. Low resolution mass spectra were recorded in Shimadzu QQQ instrument and LTQ-XL mass spectrometer. Melting points were recorded in MP 50 melting point system.

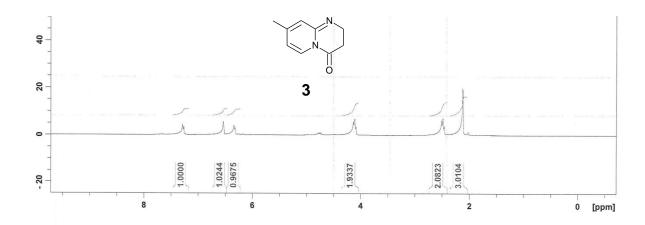
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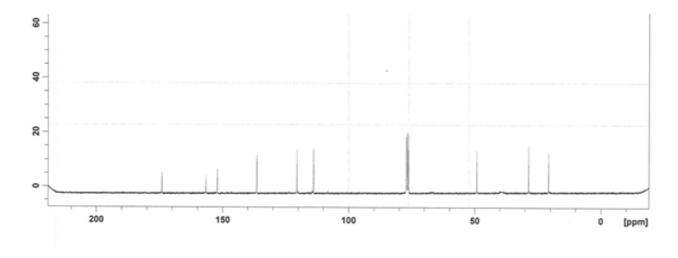
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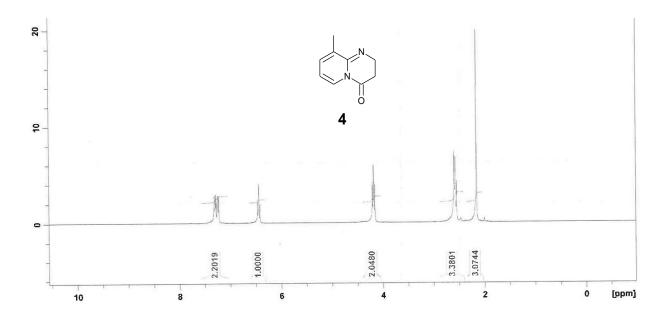
<sup>\*</sup>corresponding author

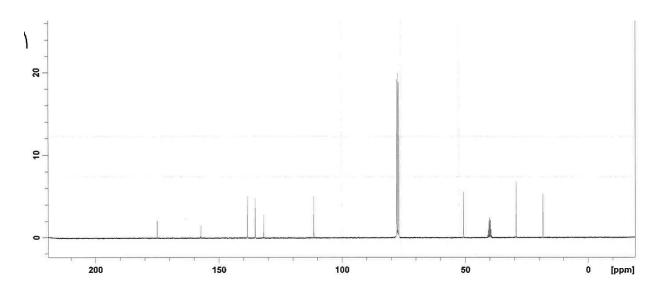


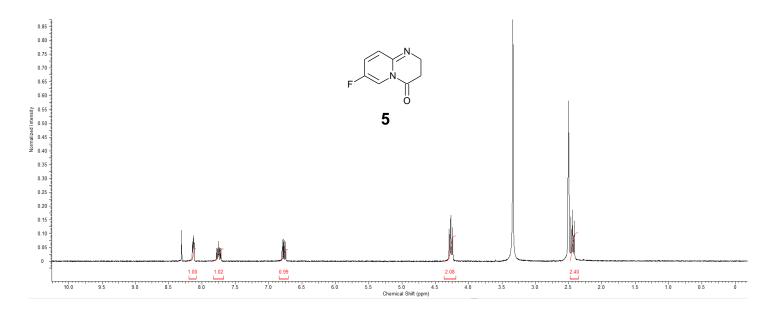




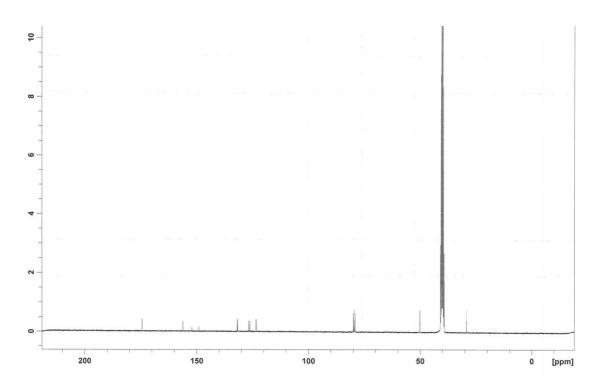


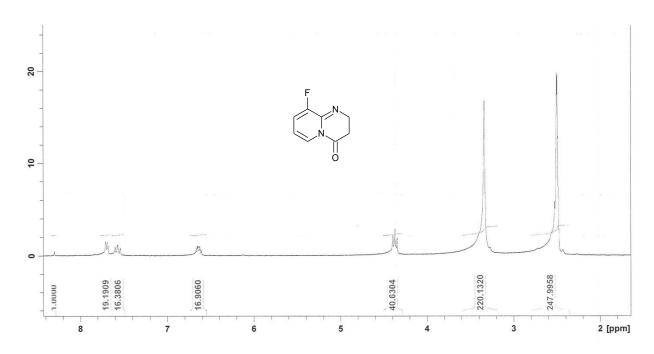


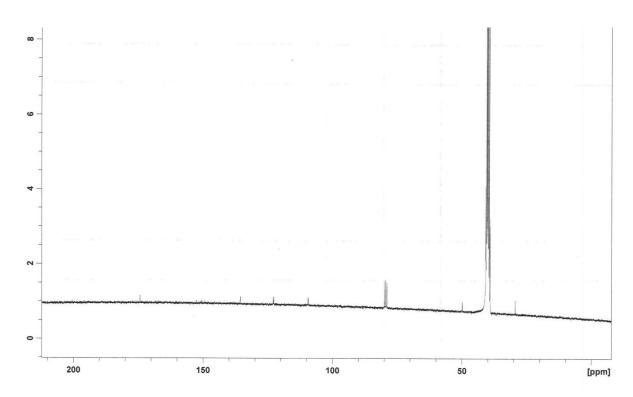


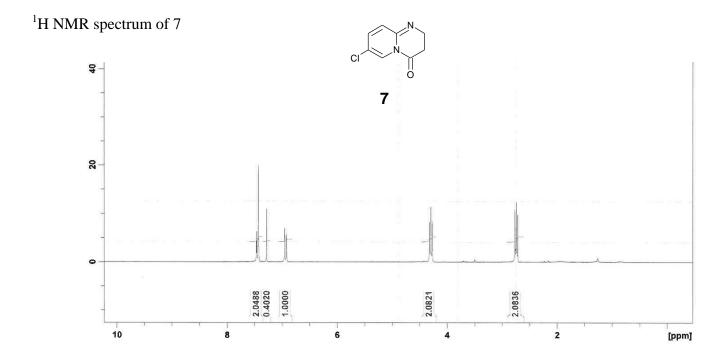


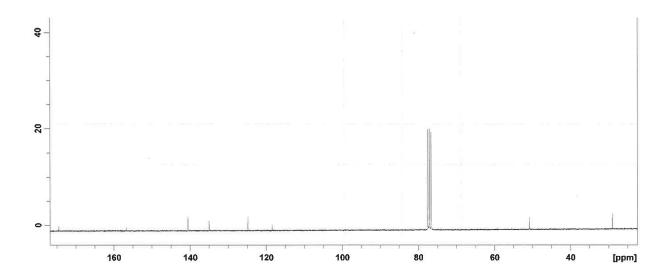
<sup>13</sup>C NMR spectrum of **5** 

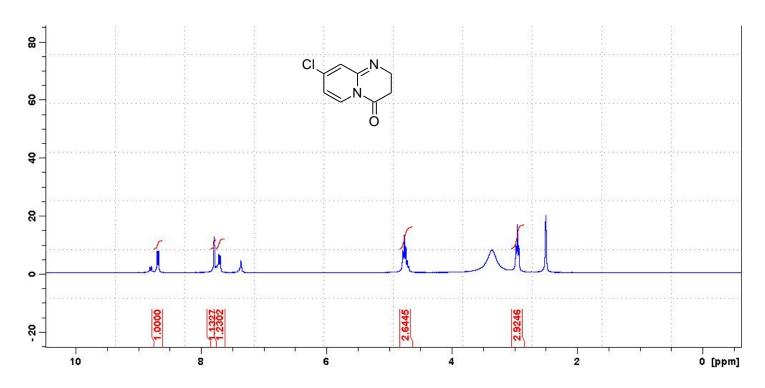


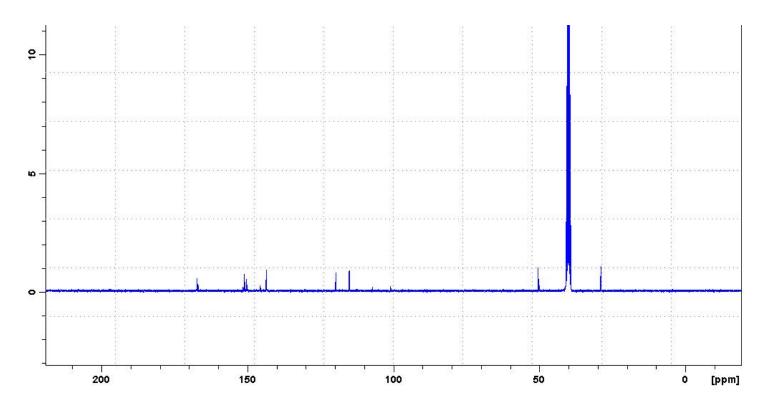


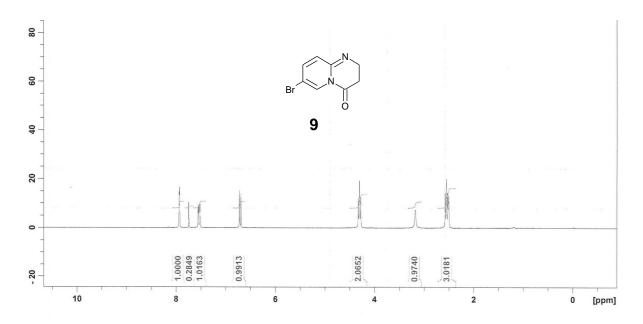


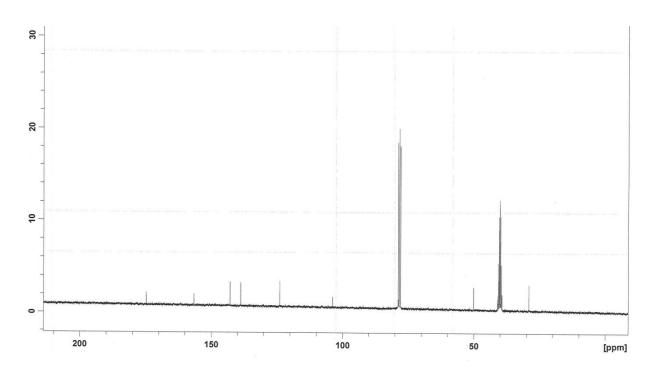


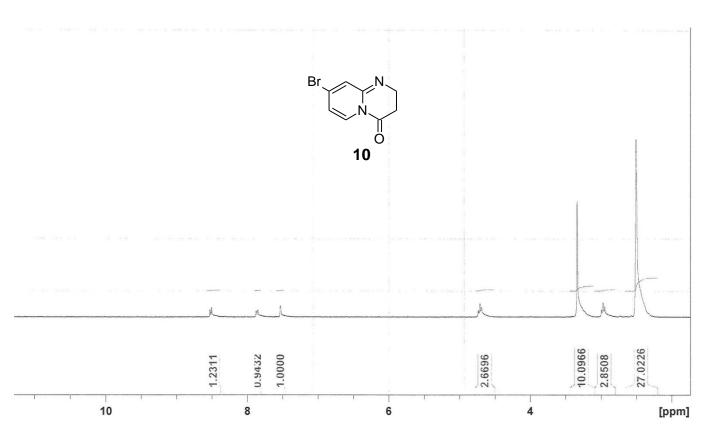




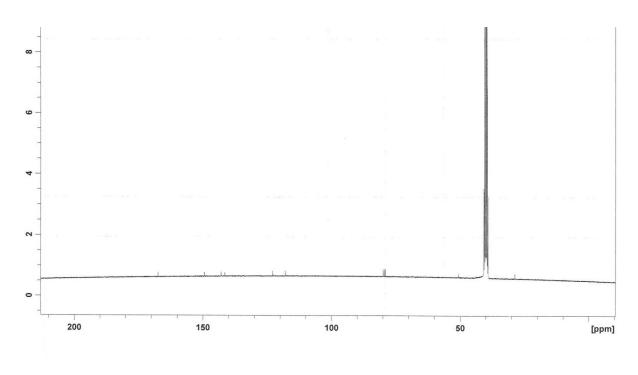


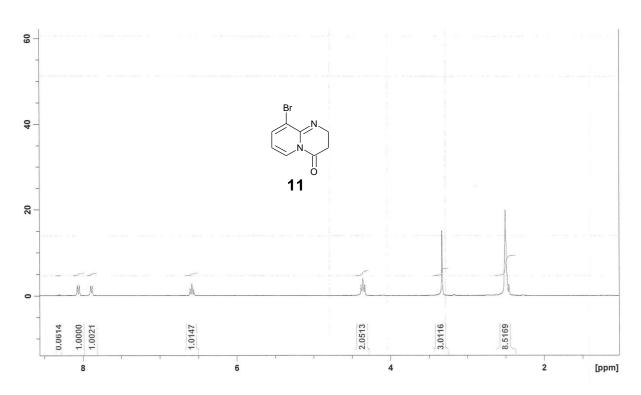


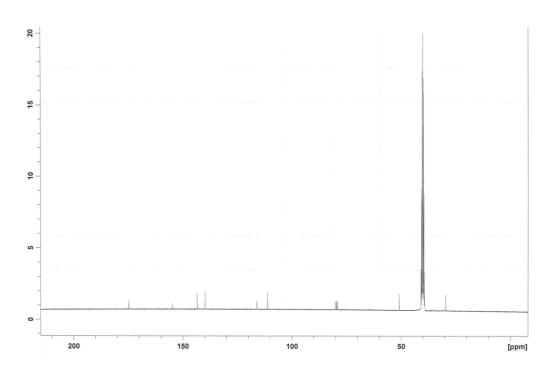


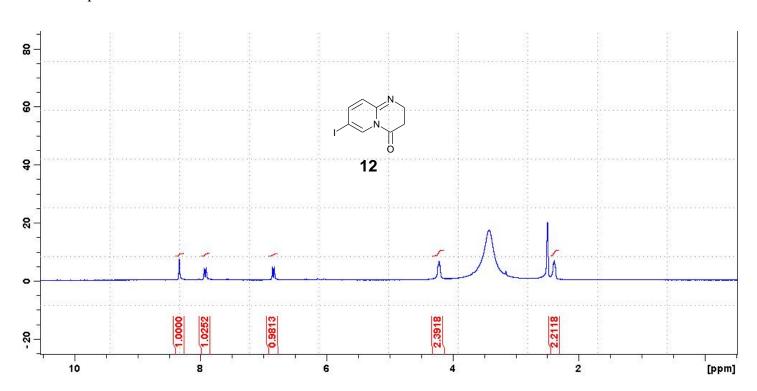


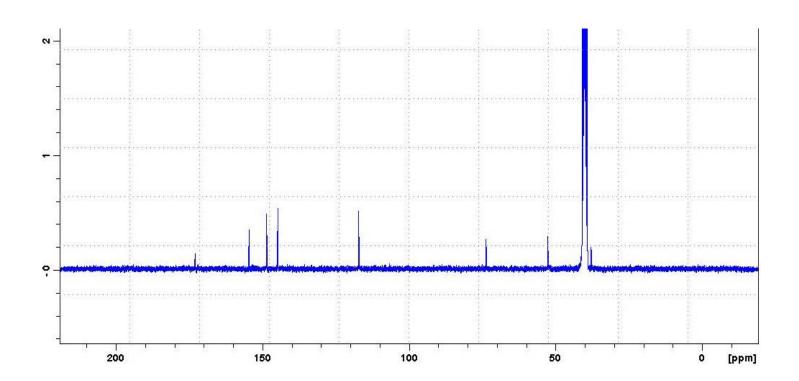
<sup>13</sup>C NMR spectrum of **10** 

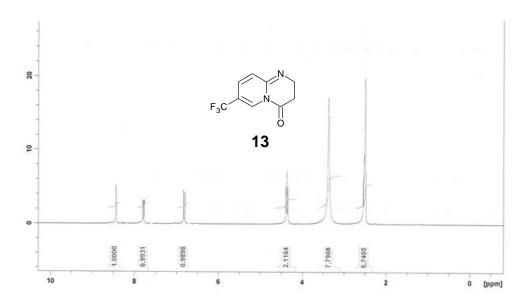


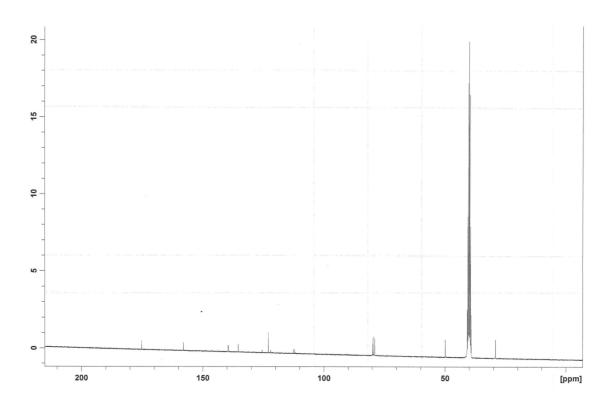


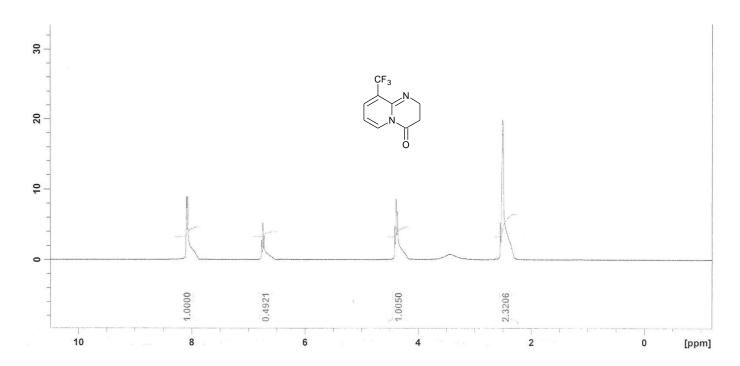


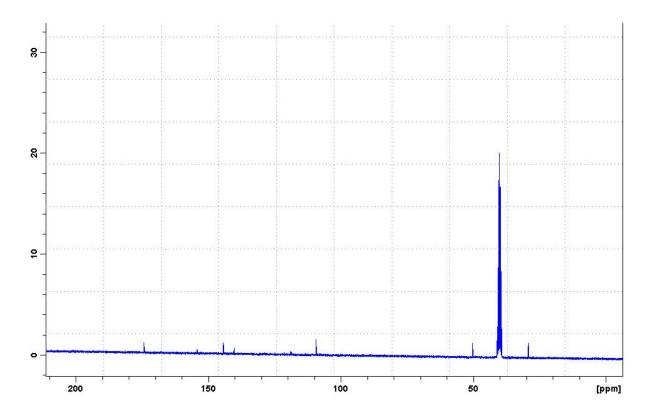


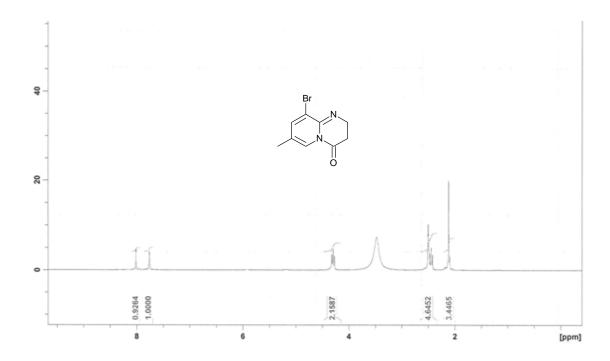


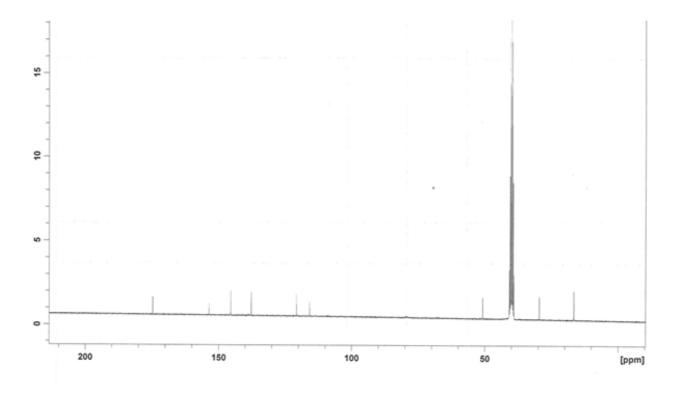


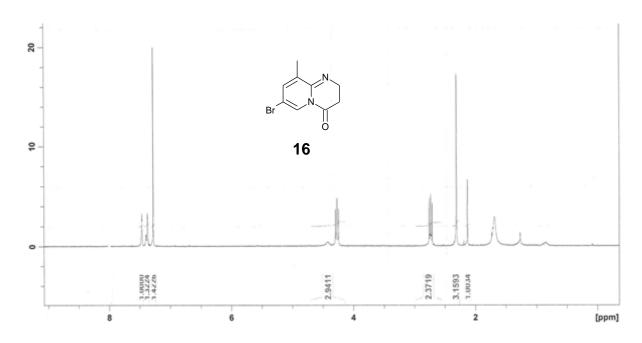


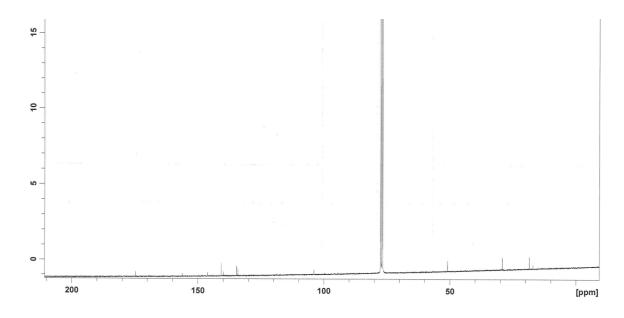


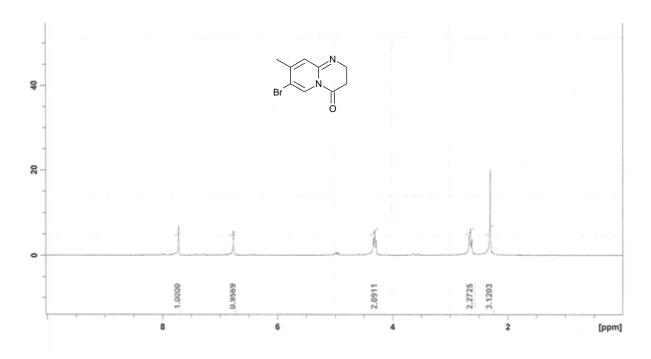


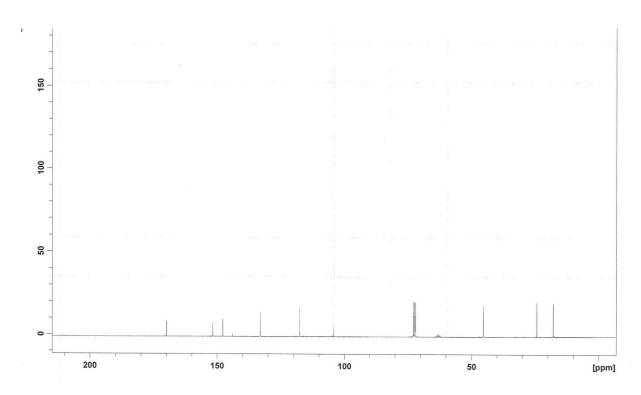


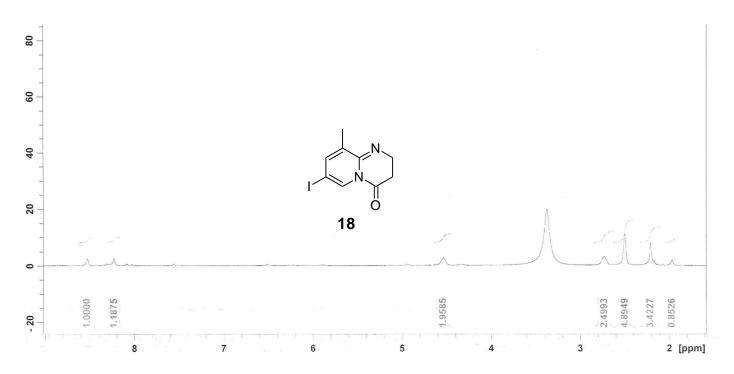


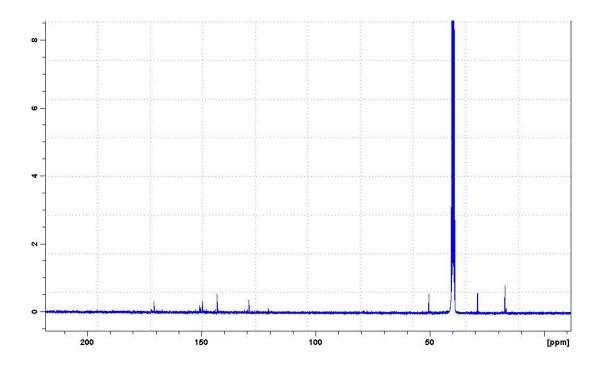


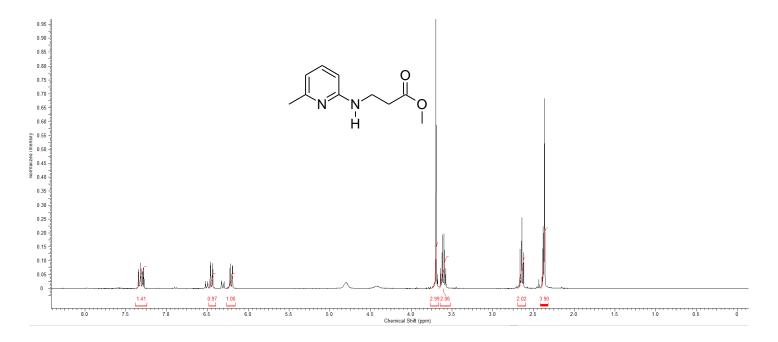












<sup>13</sup>C NMR spectrum of **19** 

