

## SUPPORTING INFORMATION

# TOTAL SYNTHESSES OF VARIOLIN B AND DEOXYVARIOLIN B

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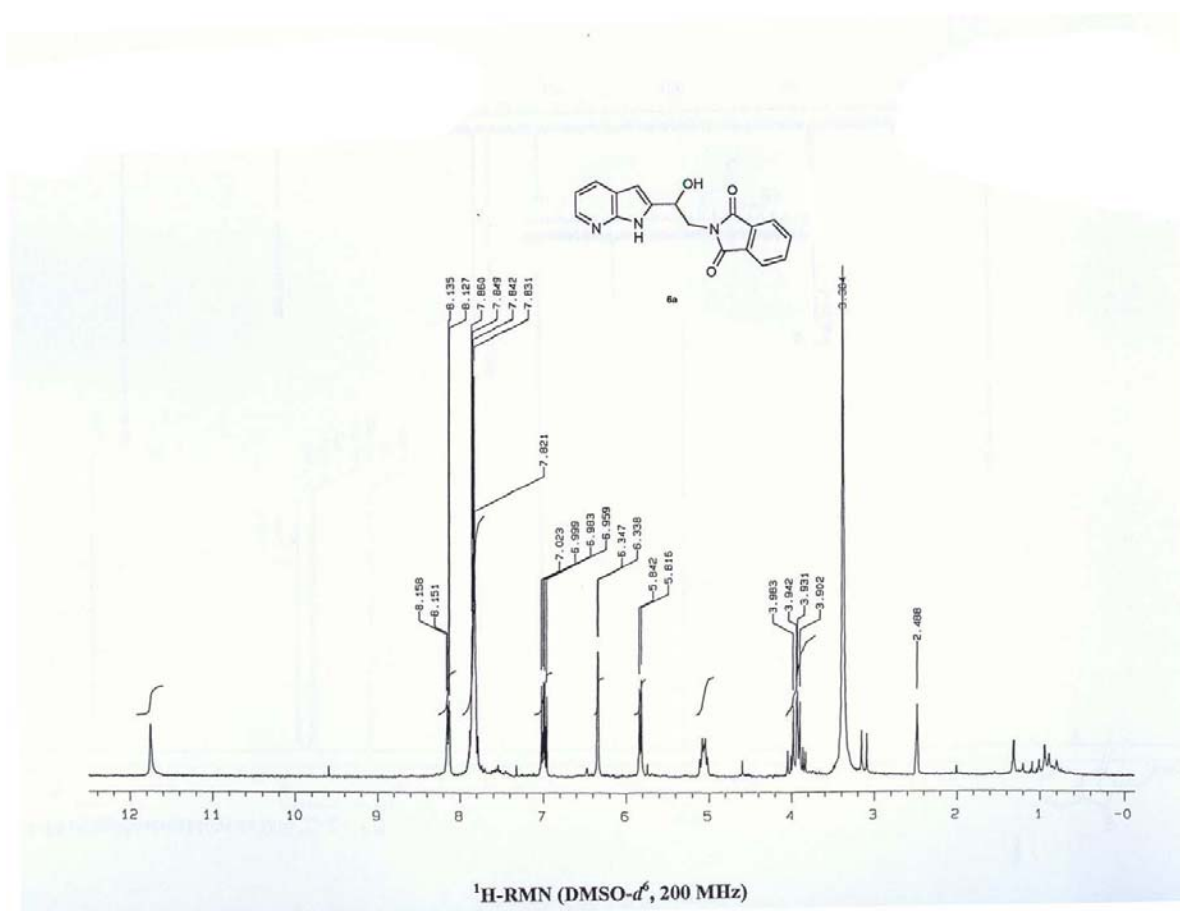
### GENERAL EXPERIMENTAL

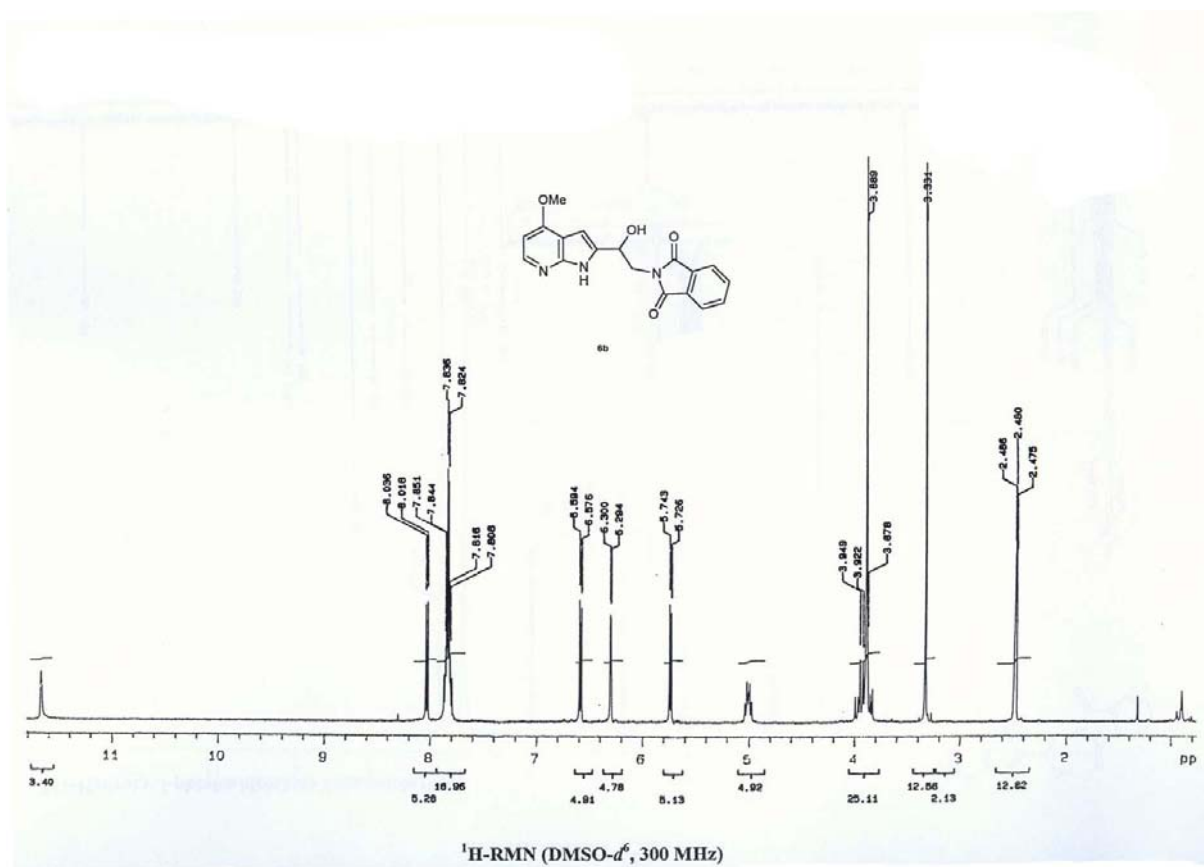
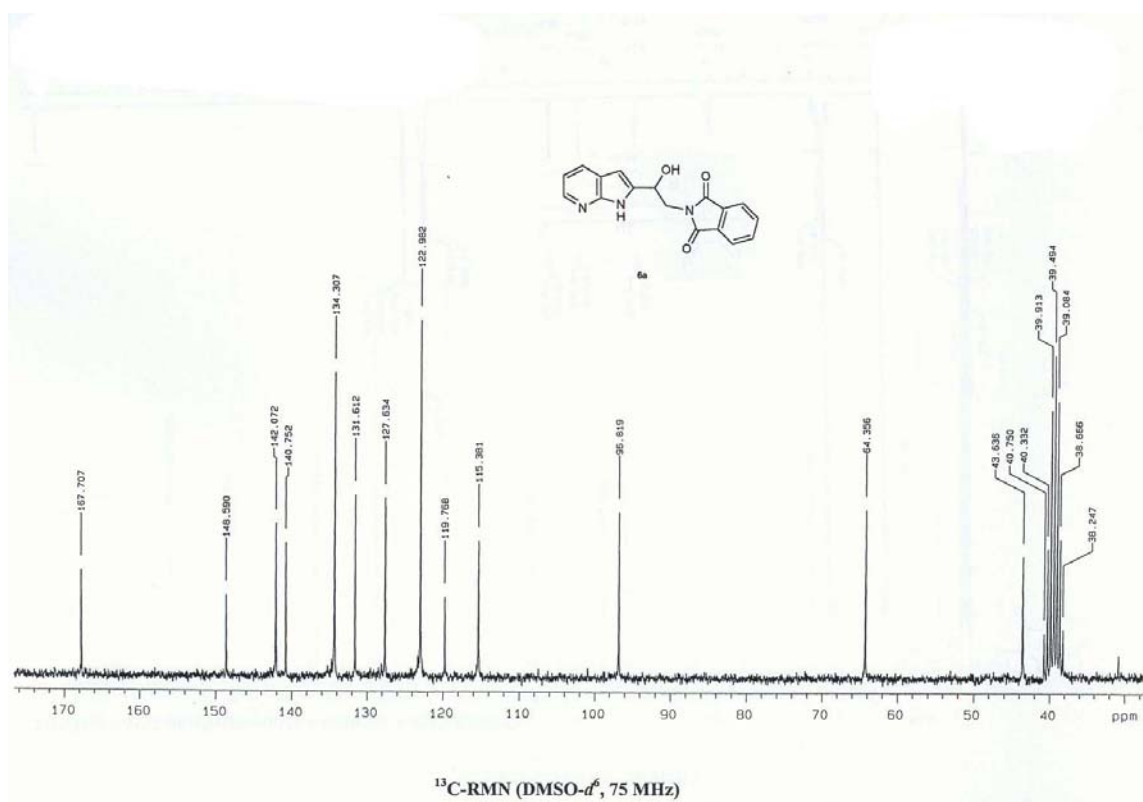
Melting points were determined in opened capillaries and are uncorrected. TLC was carried out on SiO<sub>2</sub> (silica Gel 60, 0.063-0.200 mm) and spots were located with UV light. Column chromatography was carried out on SiO<sub>2</sub> (silica Gel 60, 0.060-0.2 mm). Flash chromatography was carried out on SiO<sub>2</sub> (silica Gel 60 A CC). Organic extracts were dried over anhydrous sodium or magnesium sulphate, and solutions were evaporated under reduced pressure with a

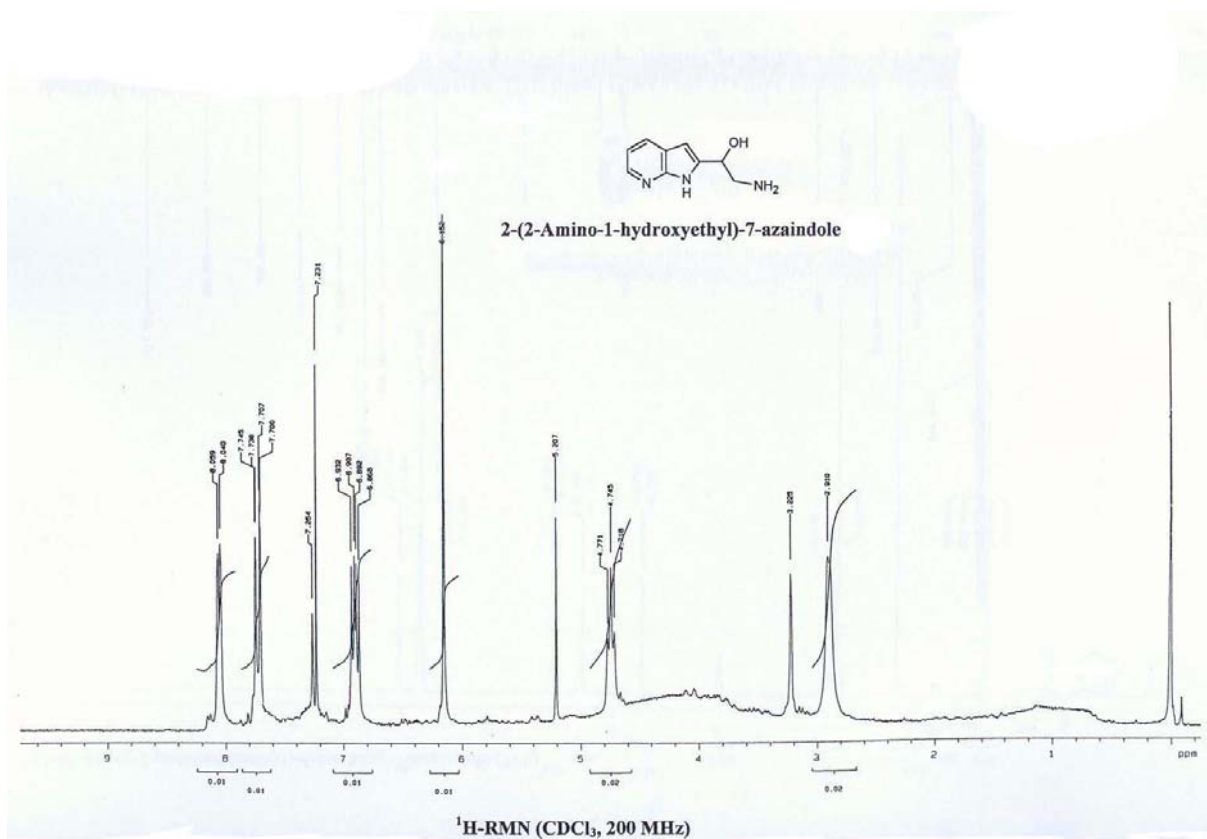
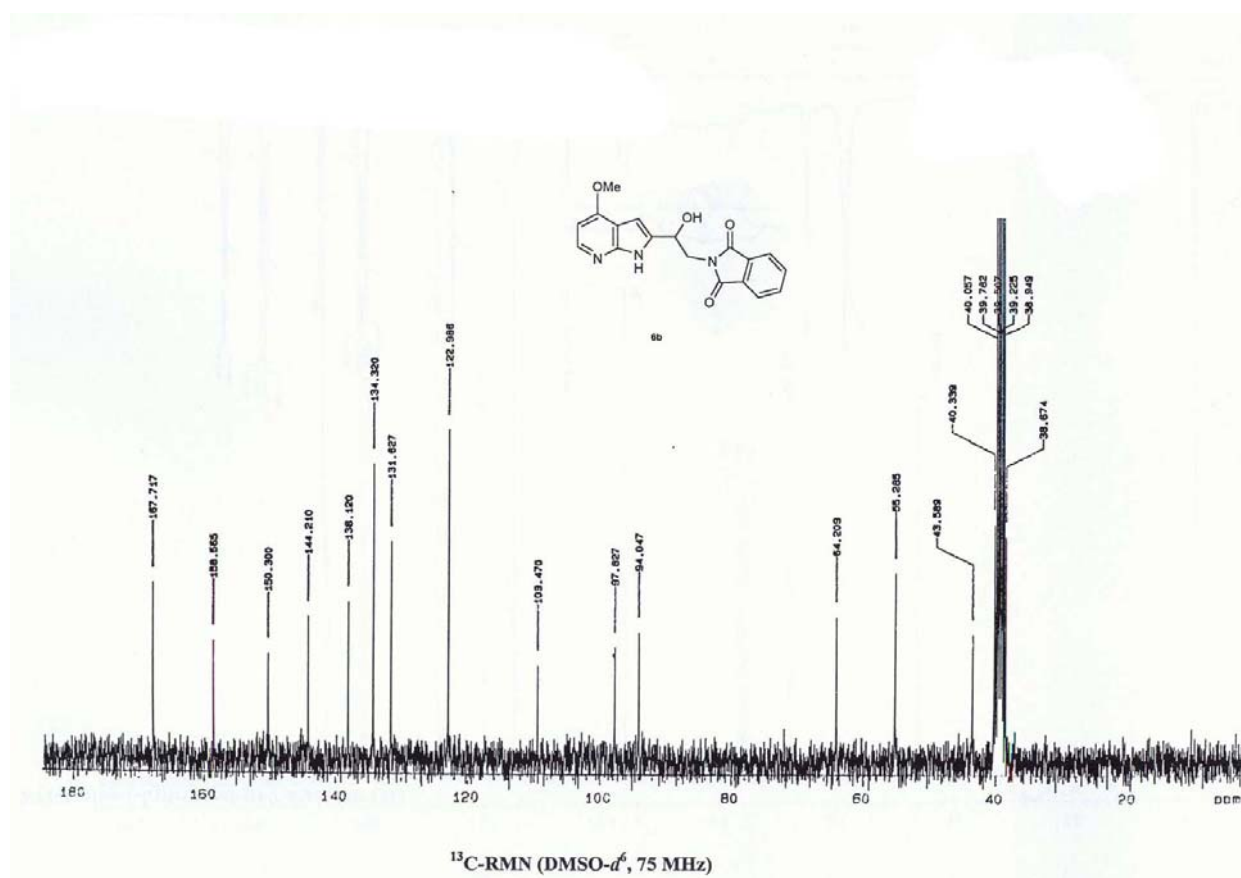
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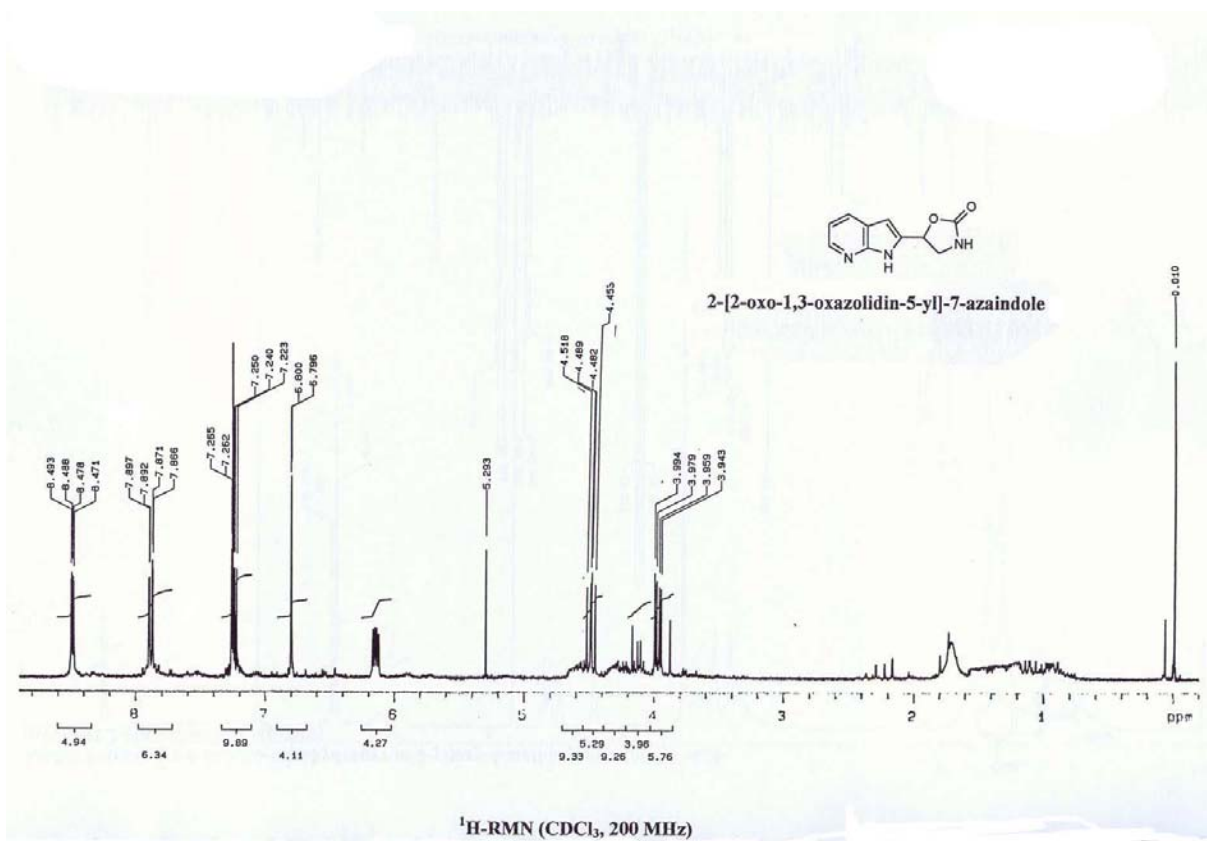
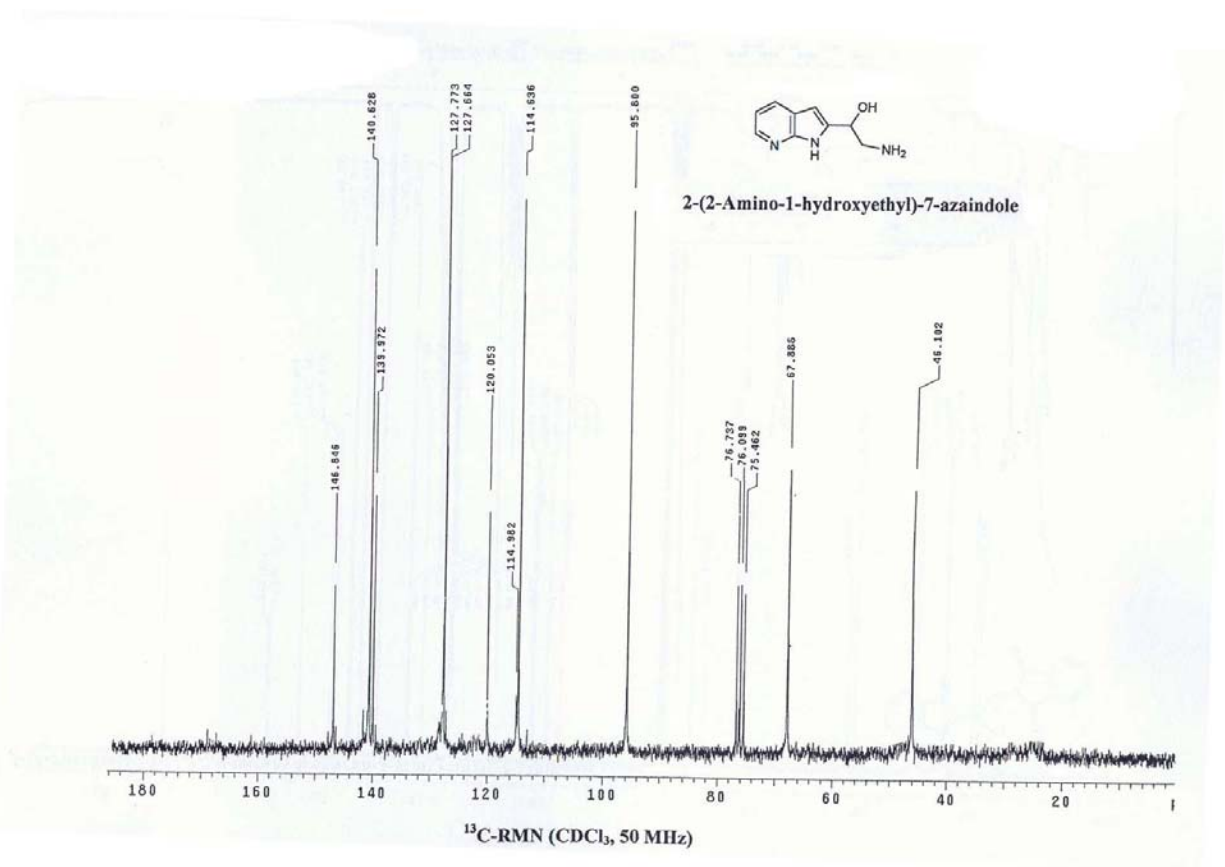
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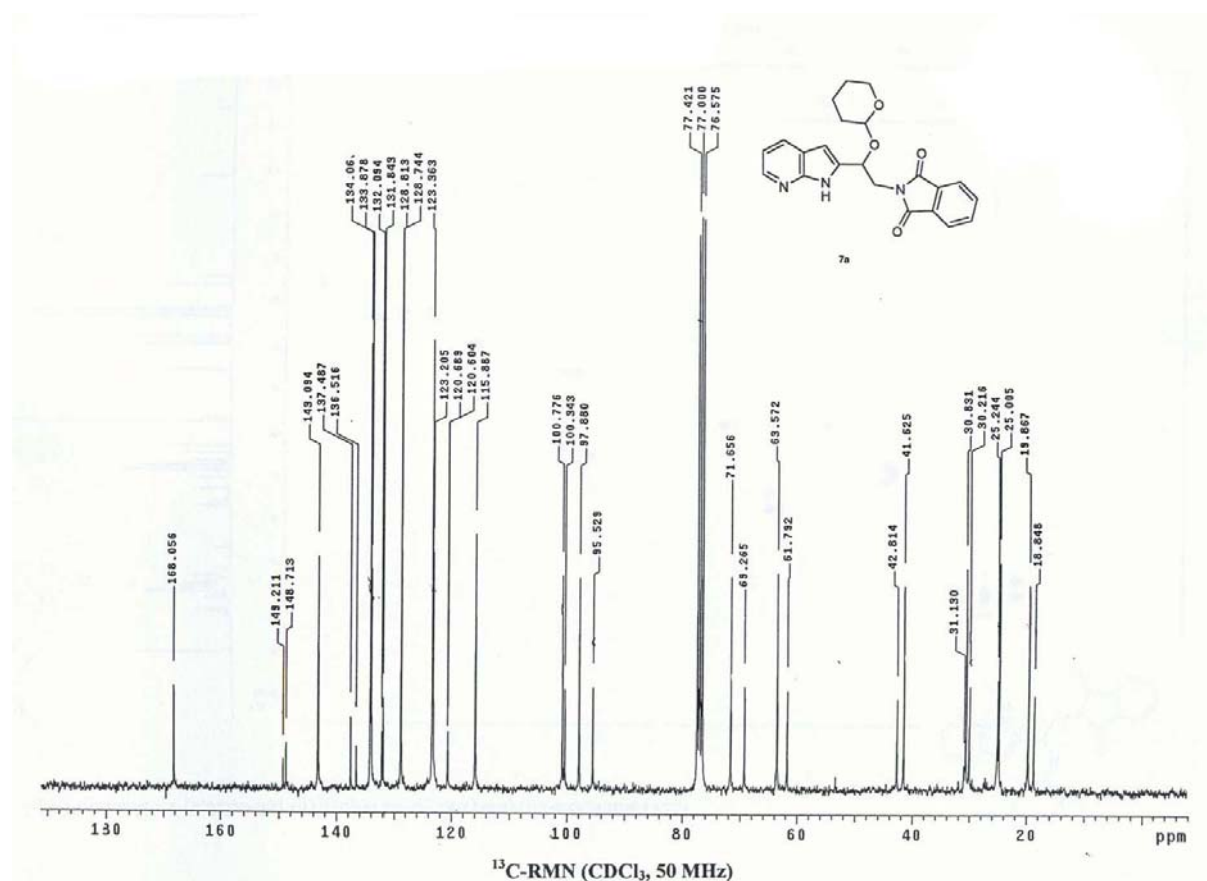
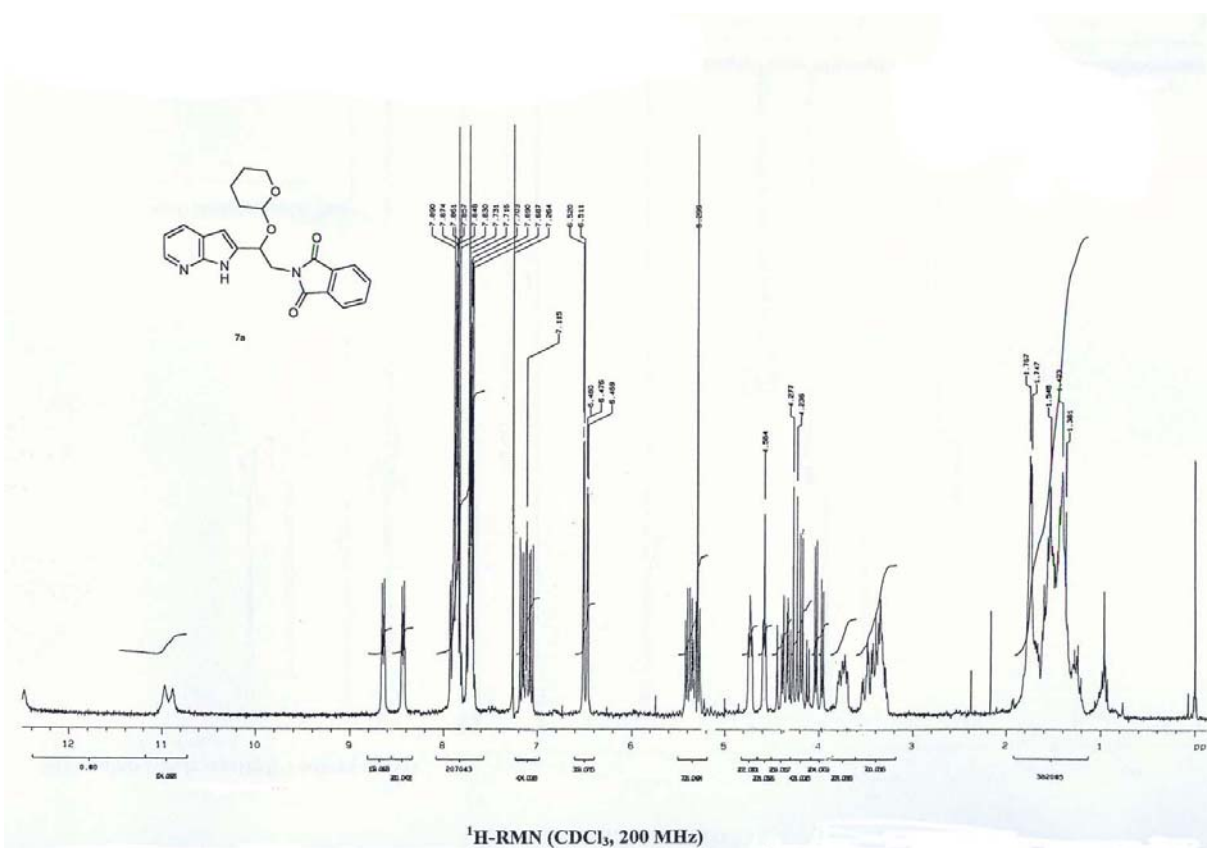
rotatory evaporator. IR spectra were performed on a FT-IR. NMR data are given in ppm referenced to TMS. Mass spectra were measured for chemical ionisation (CI) with methane (CH<sub>4</sub>, as reactive gas) and electronic impact (EI), or chemical ionisation with ammonia (NH<sub>3</sub>). Photolysis was performed with a 150 W high-pressure mercury lamp under argon atmosphere. Analytical HPLC was performed using a 4.6 x 150 mm C<sub>18</sub> reversed-phase column (Symmetry 5 μm) with photodiode array detector. Preparative HPLC was performed using a 30 x 100 mm semipreparative C<sub>18</sub> reversed-phase column (Symmetry 5 μm) with dual λ absorbance detector. Reactions under pressure were performed on a small reactor provided with automatic temperature control.

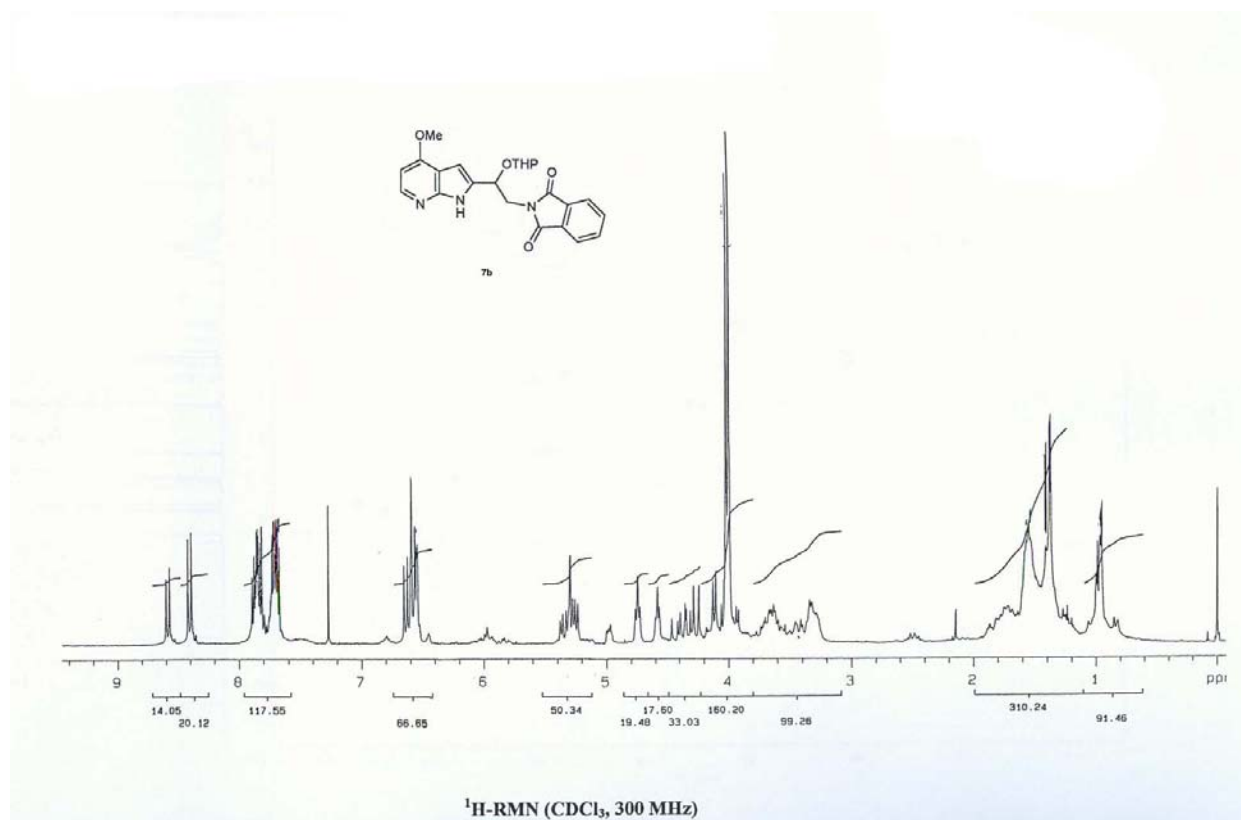
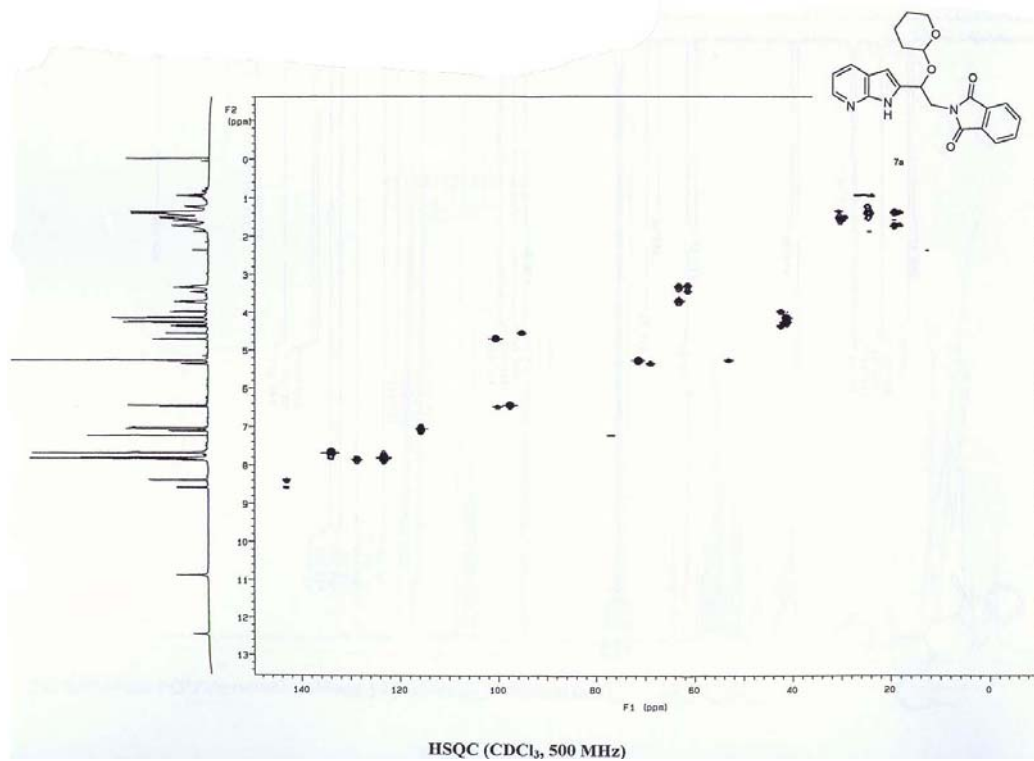




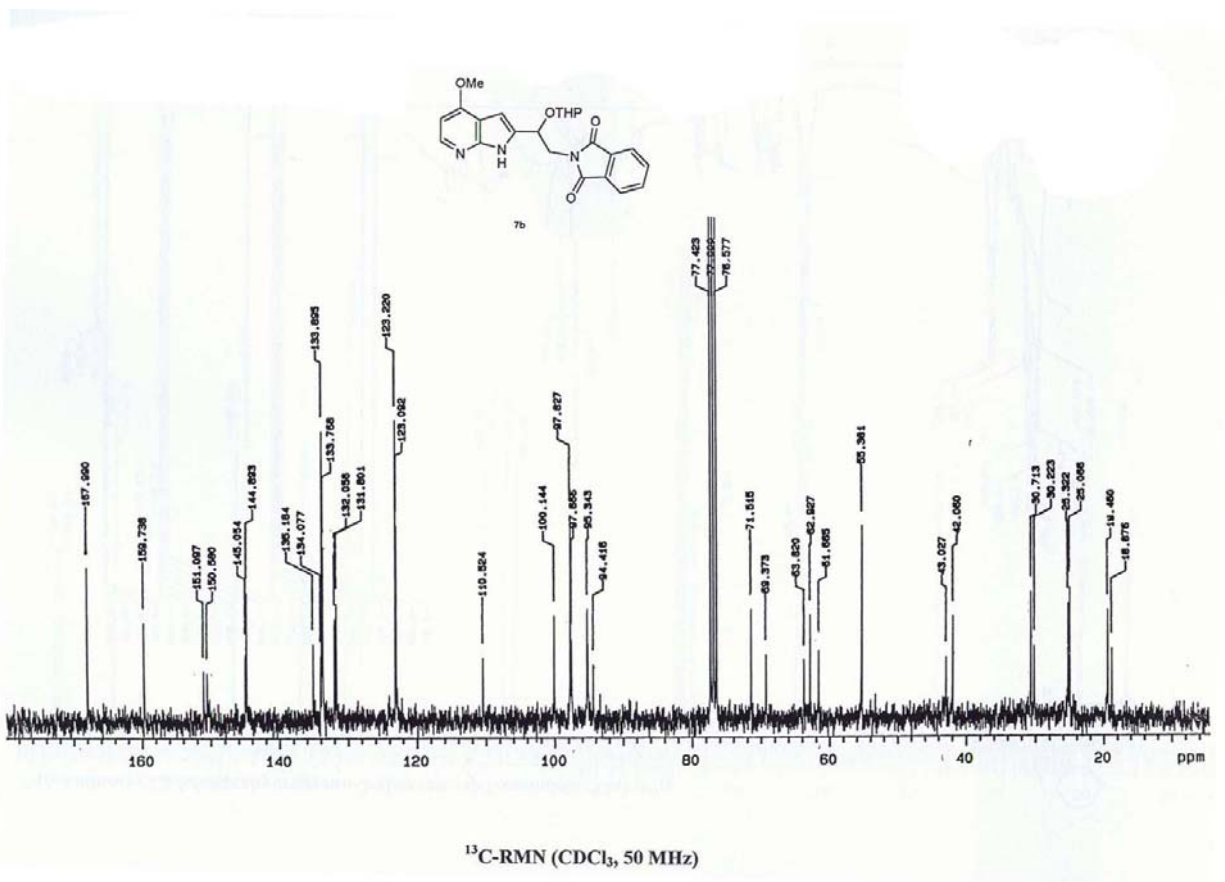






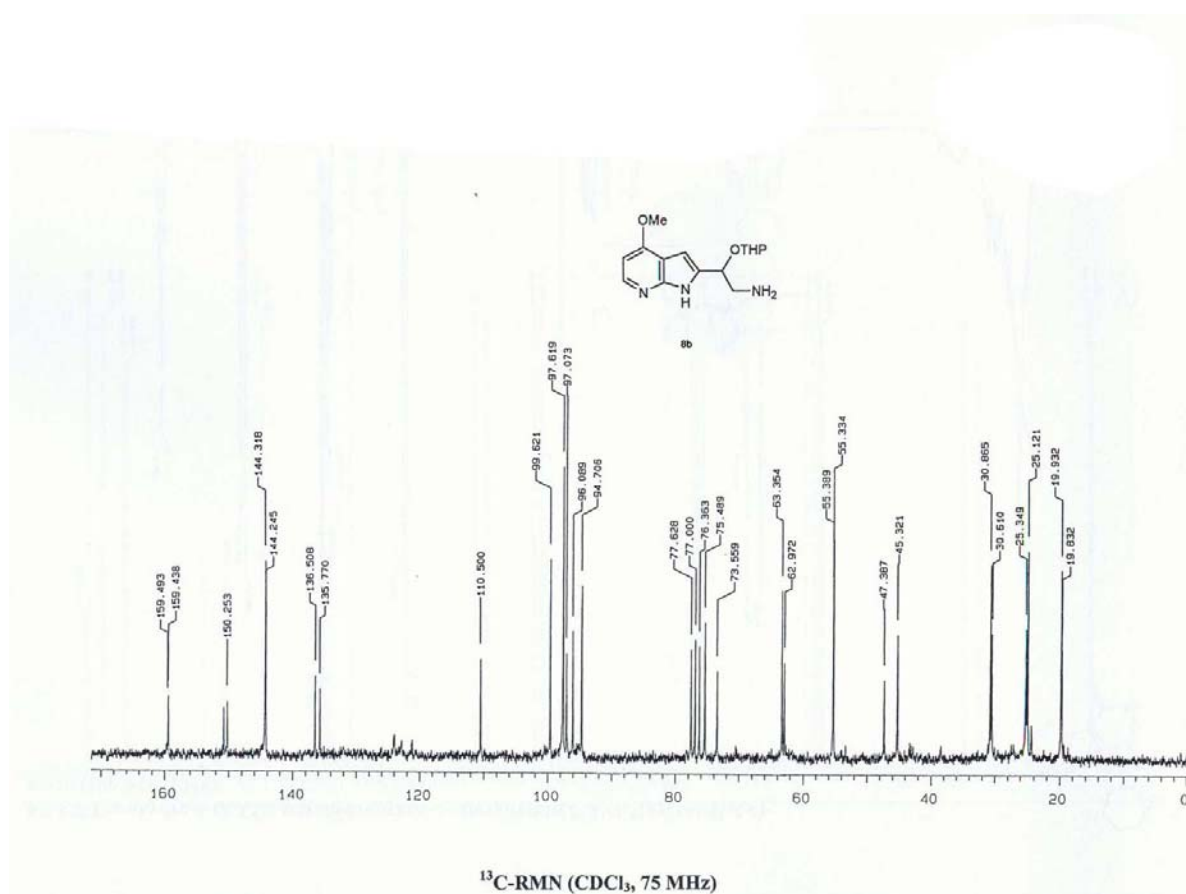
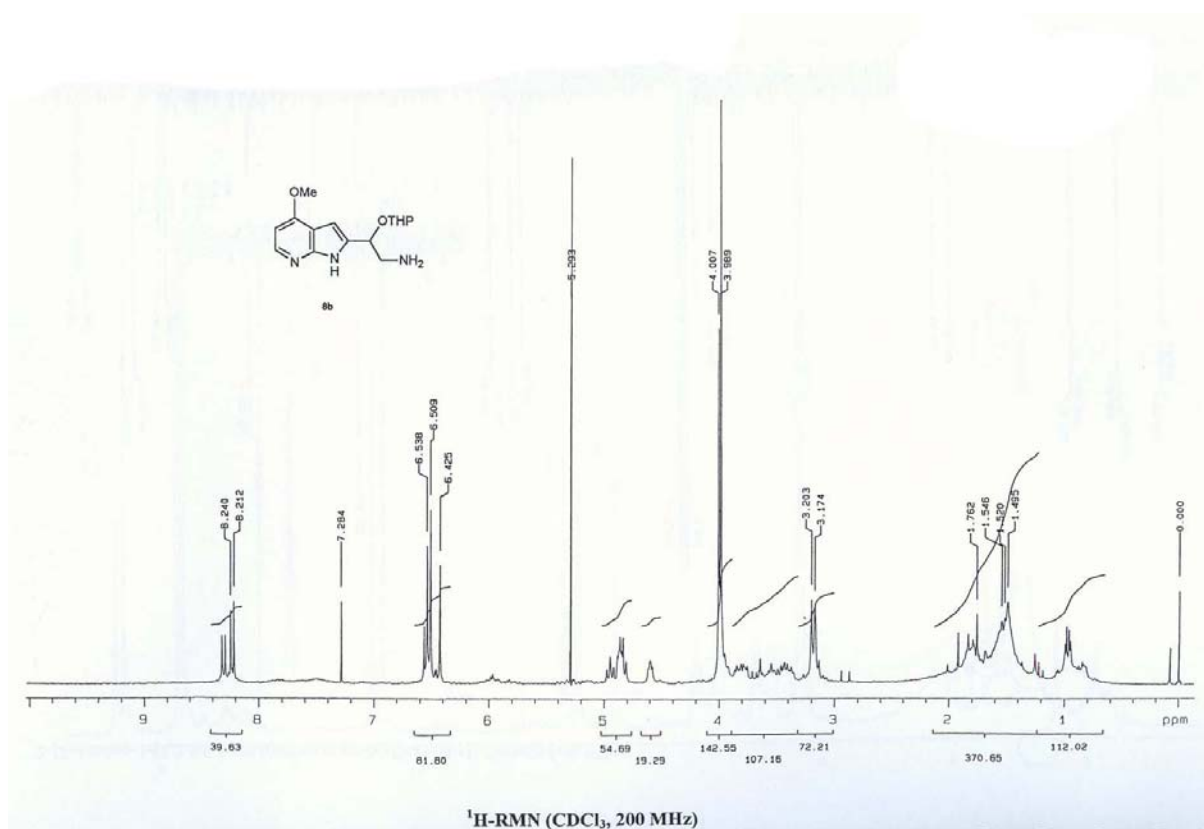


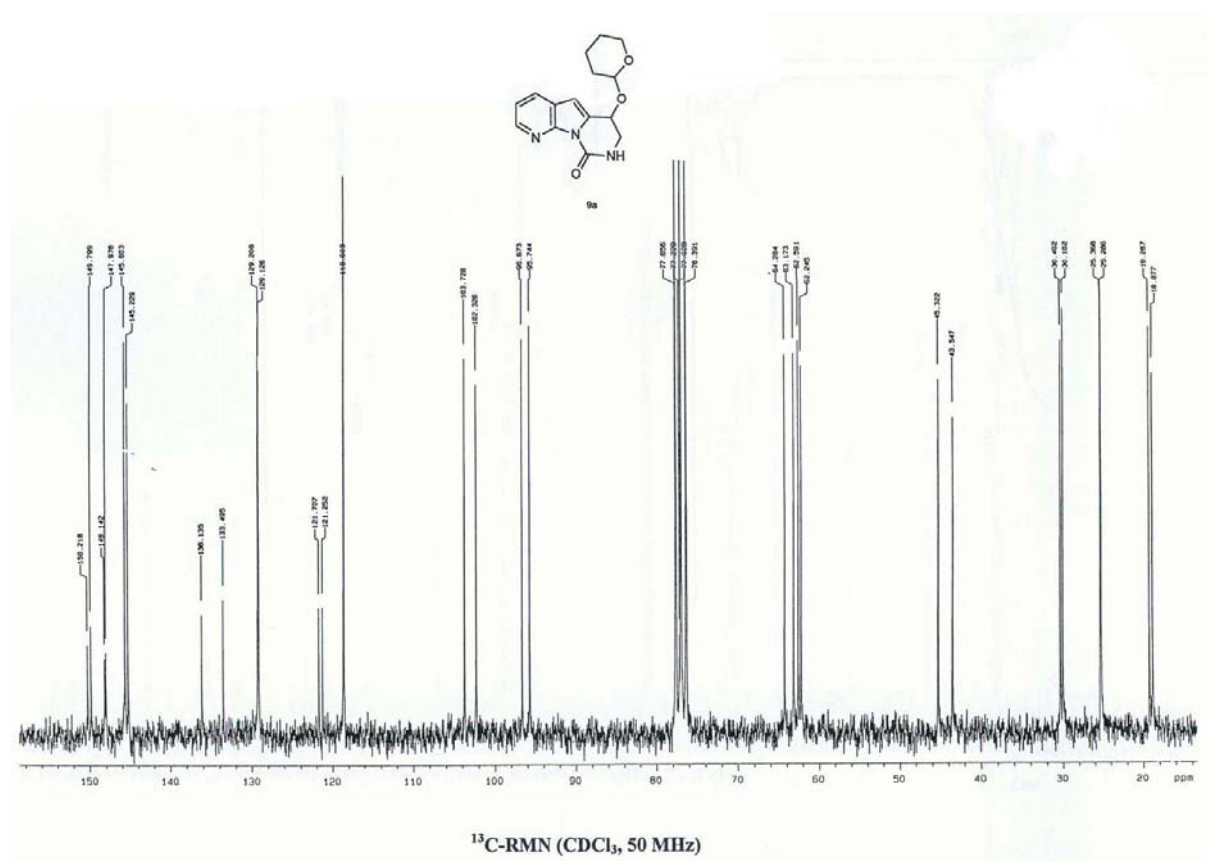
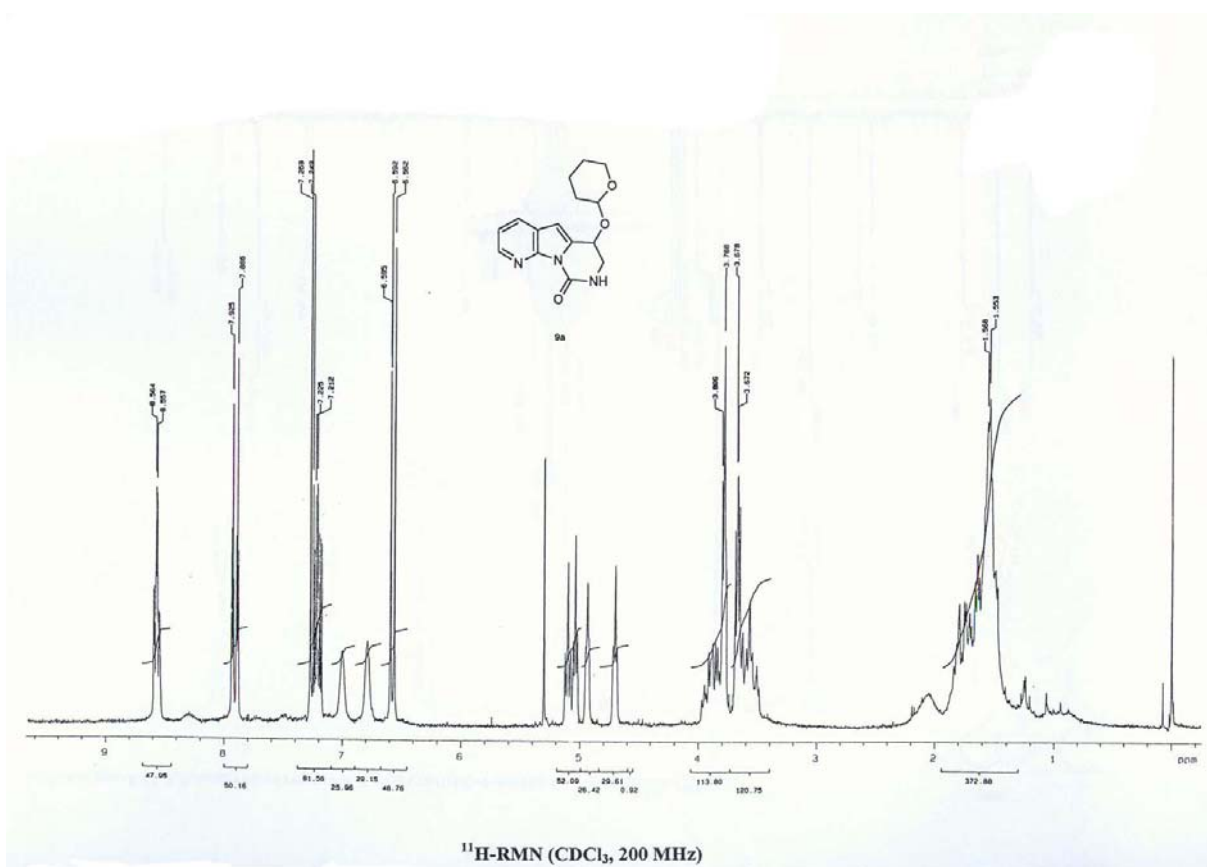


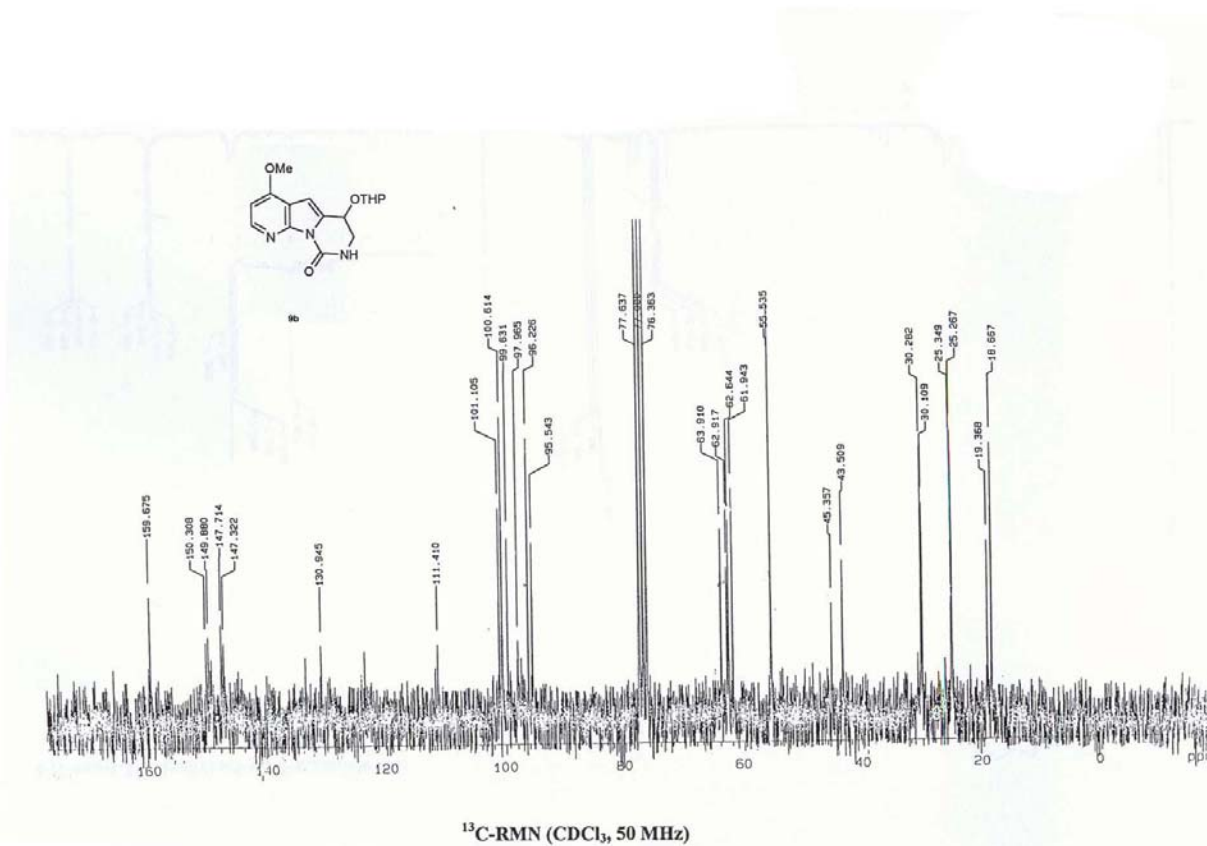
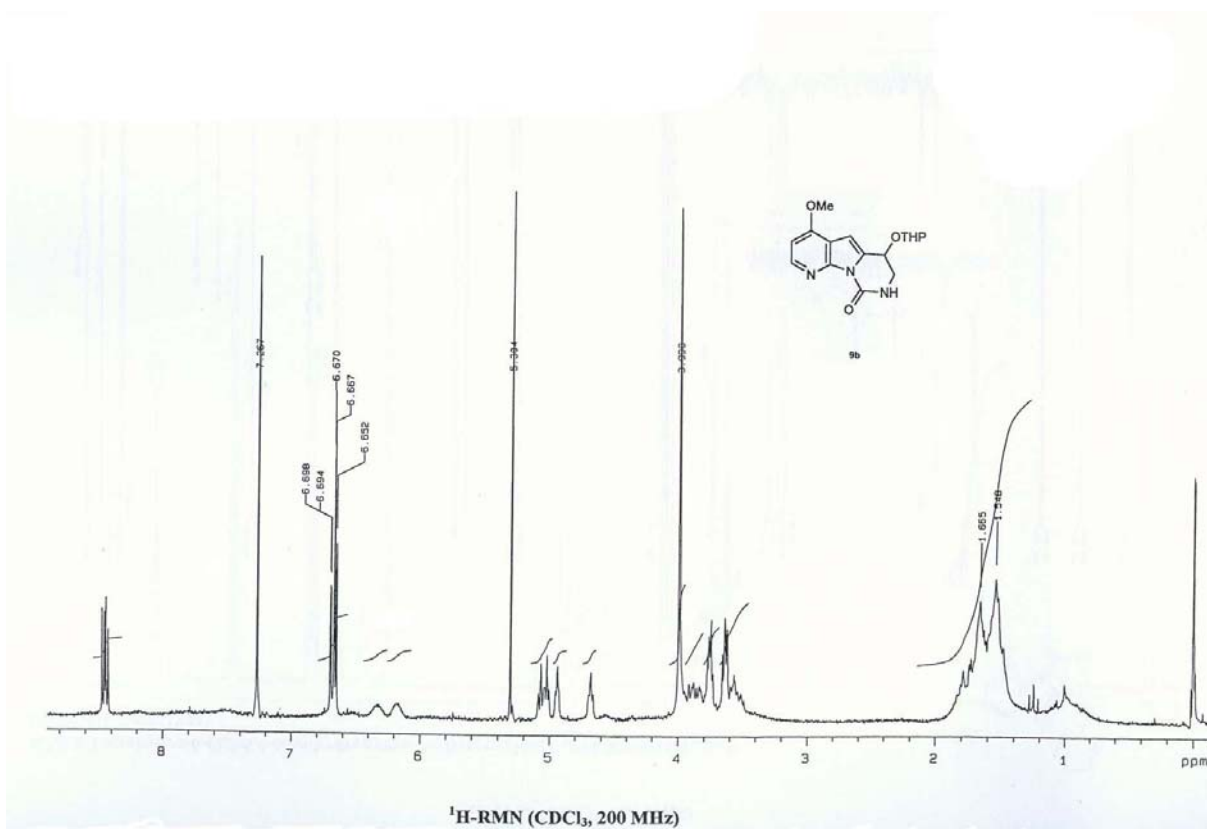


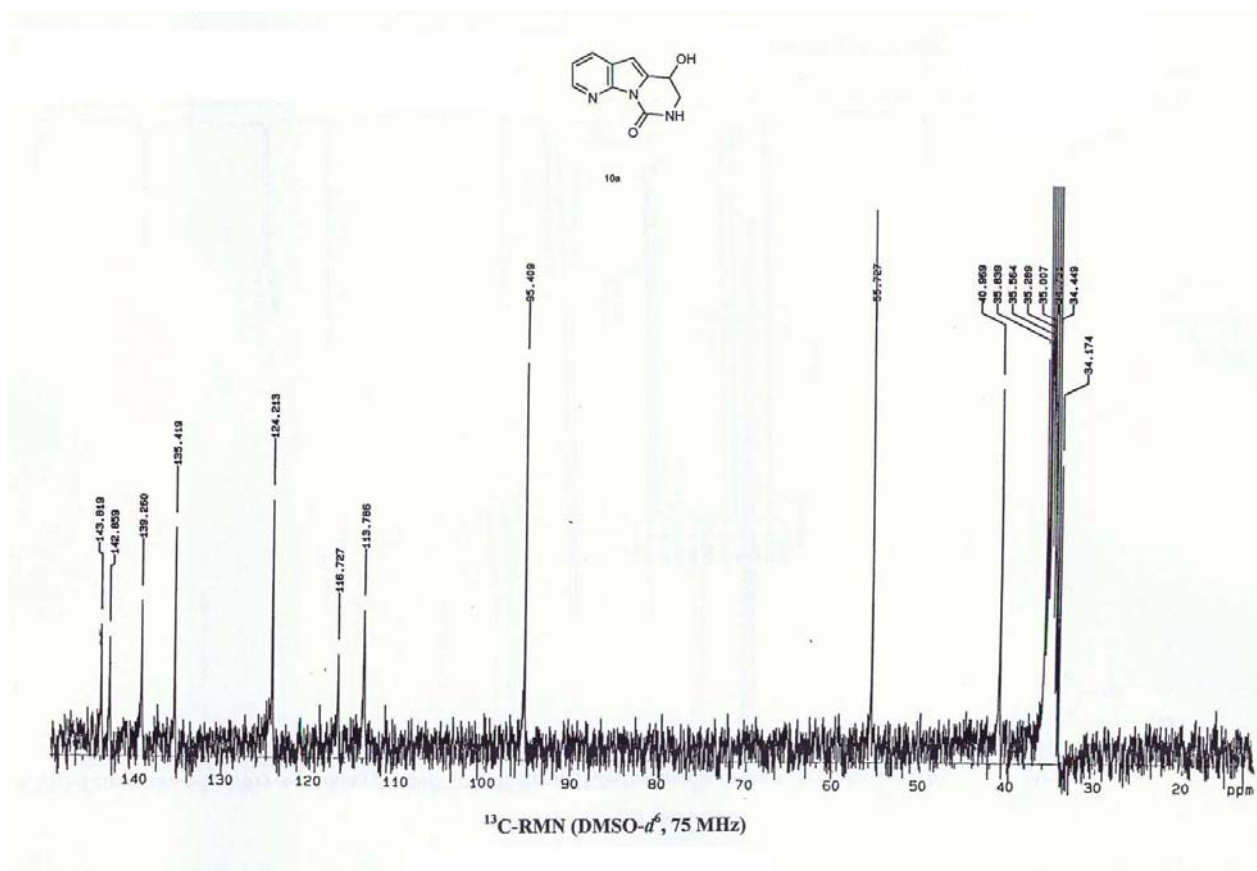
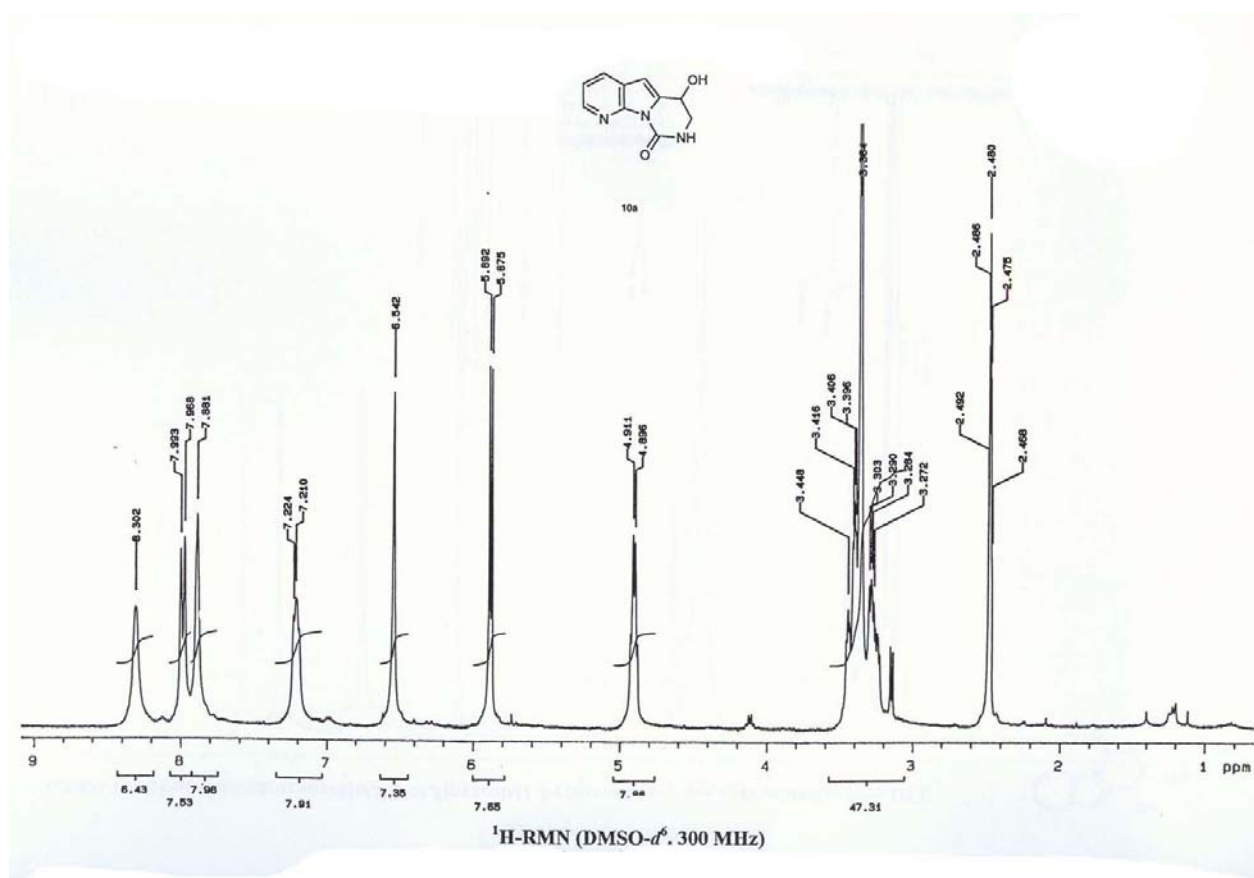




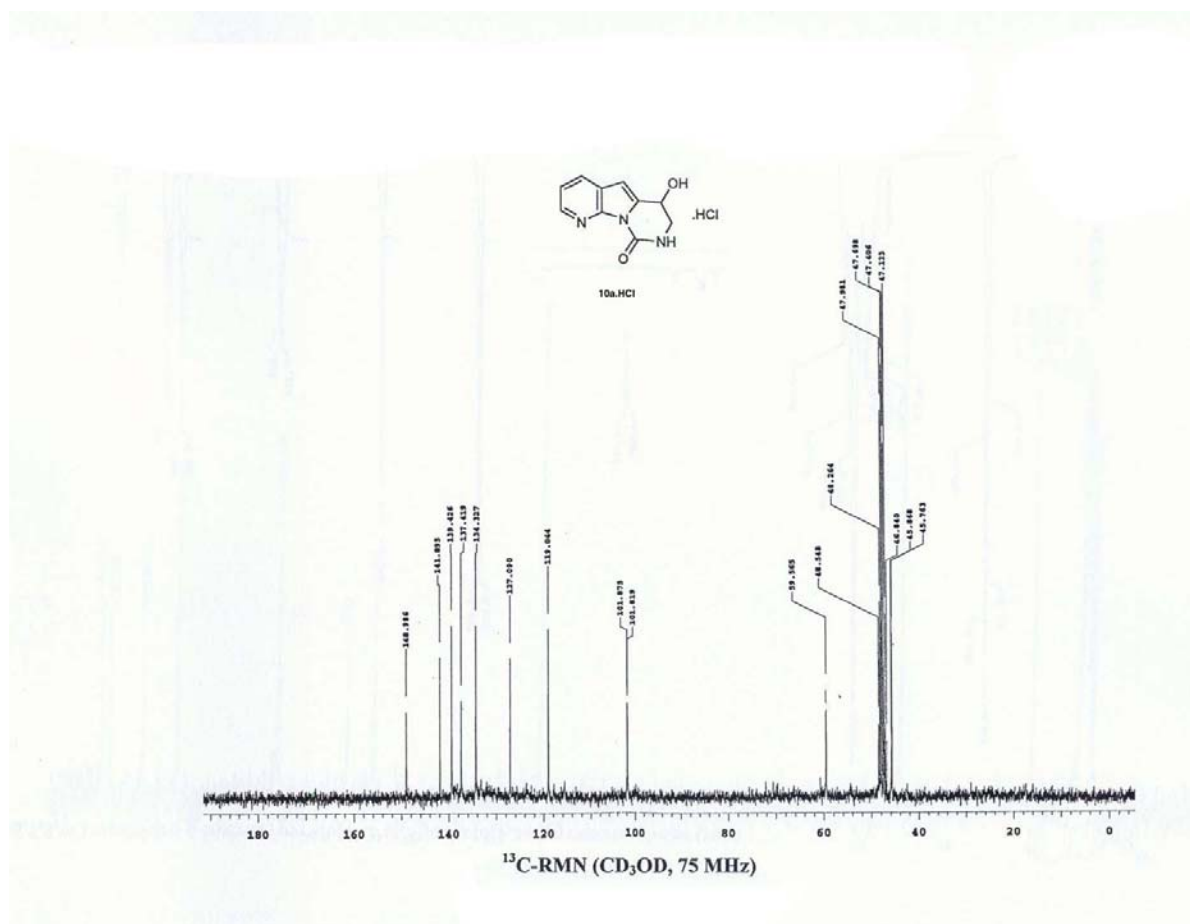
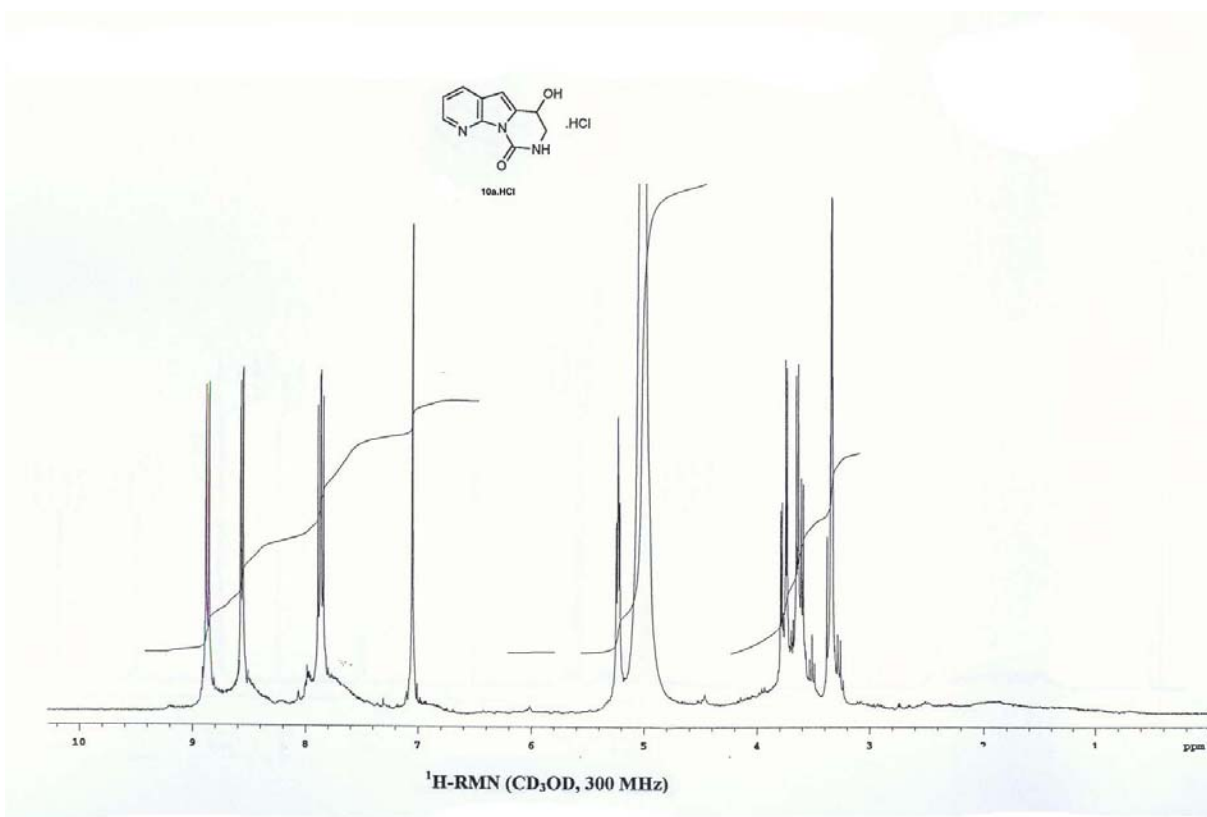


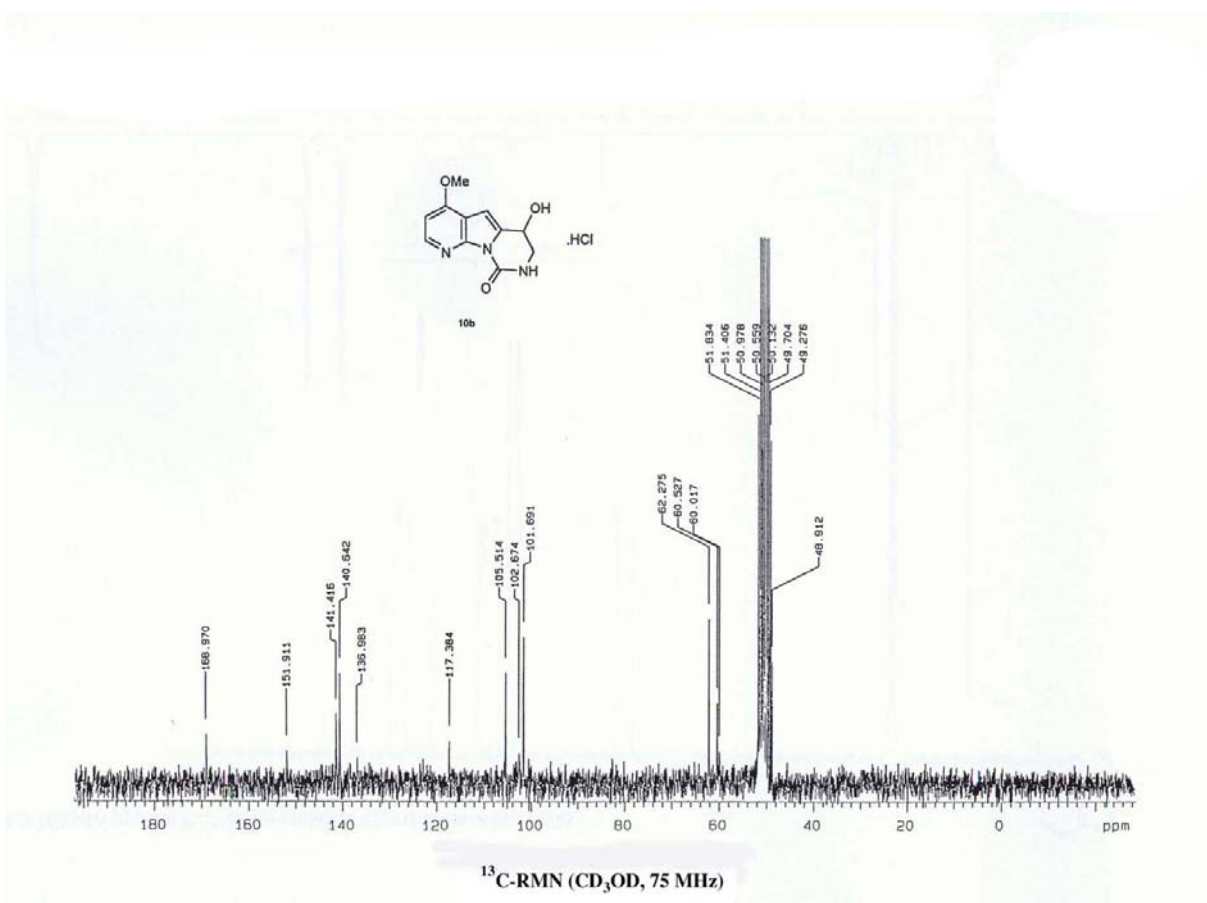
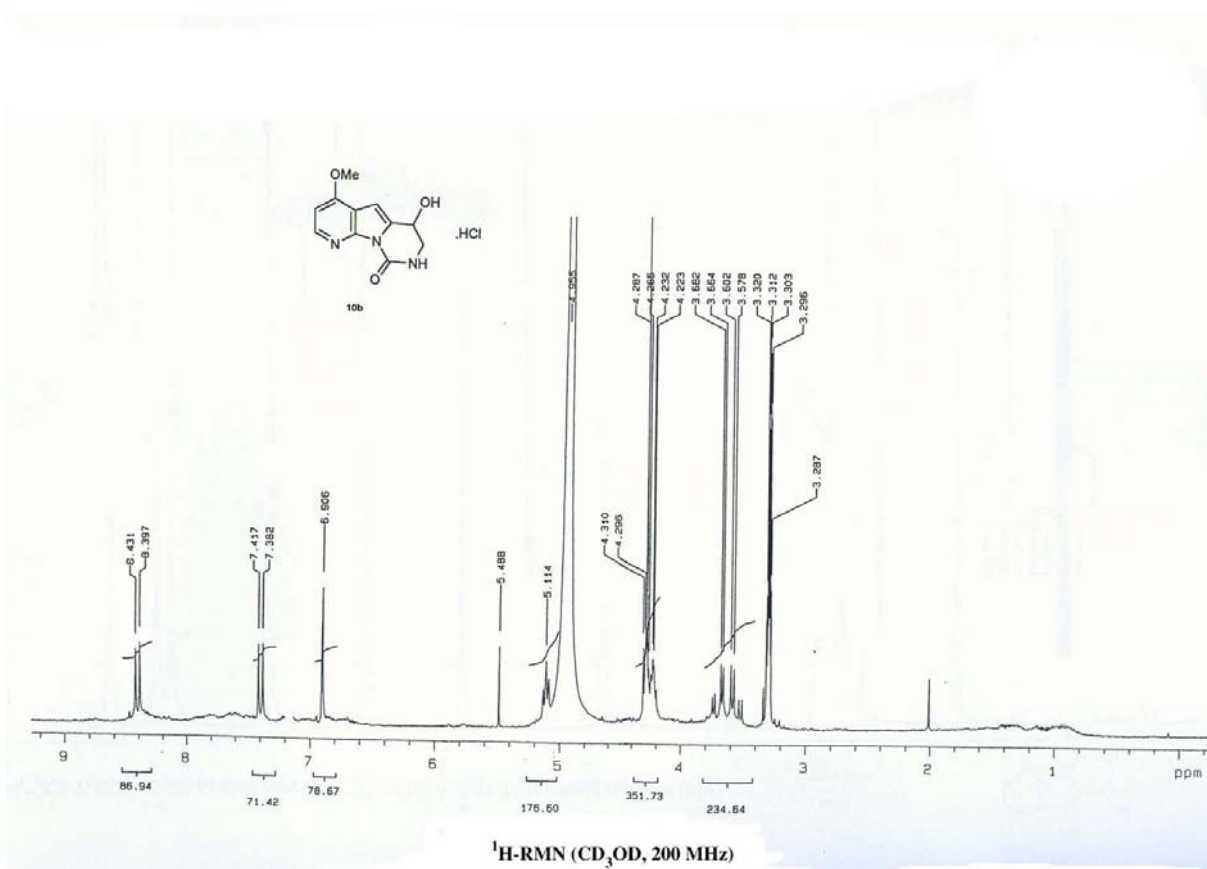




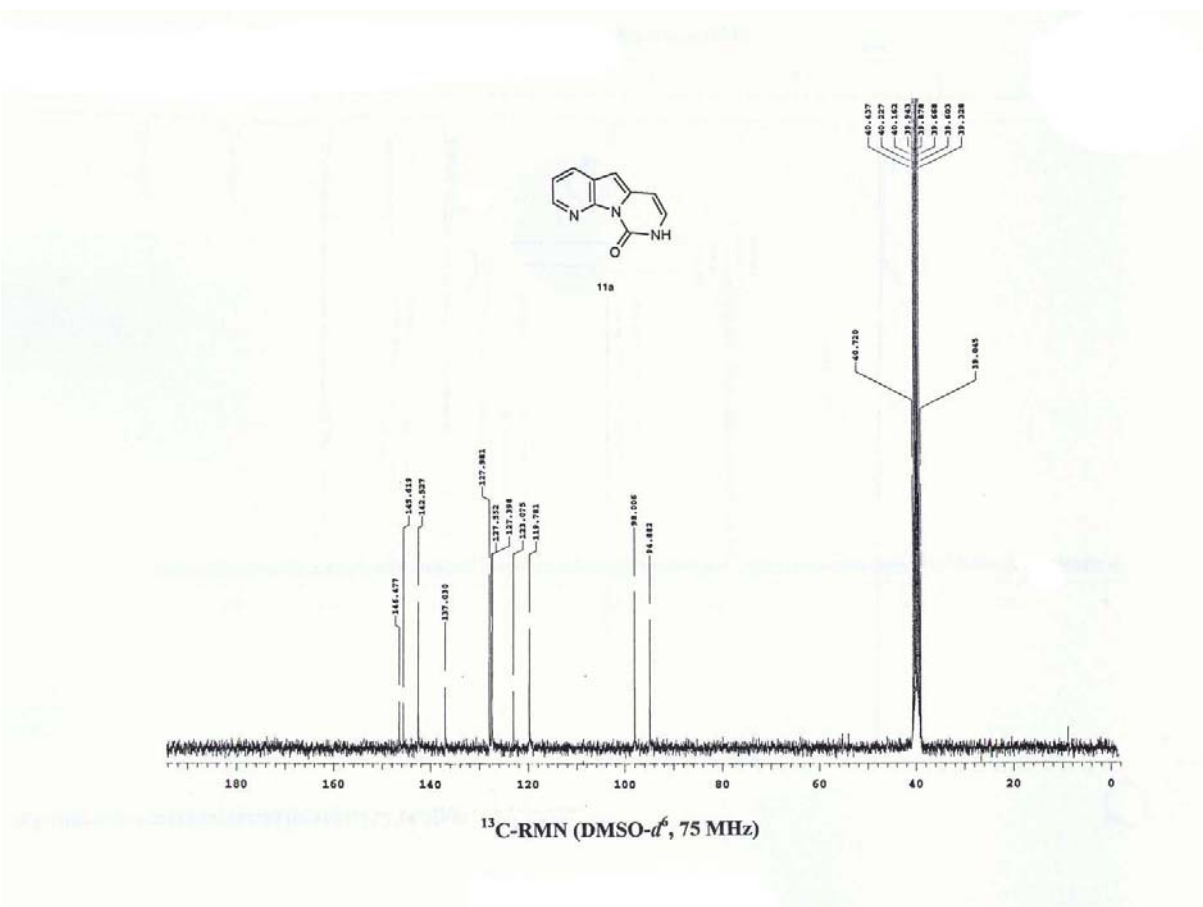


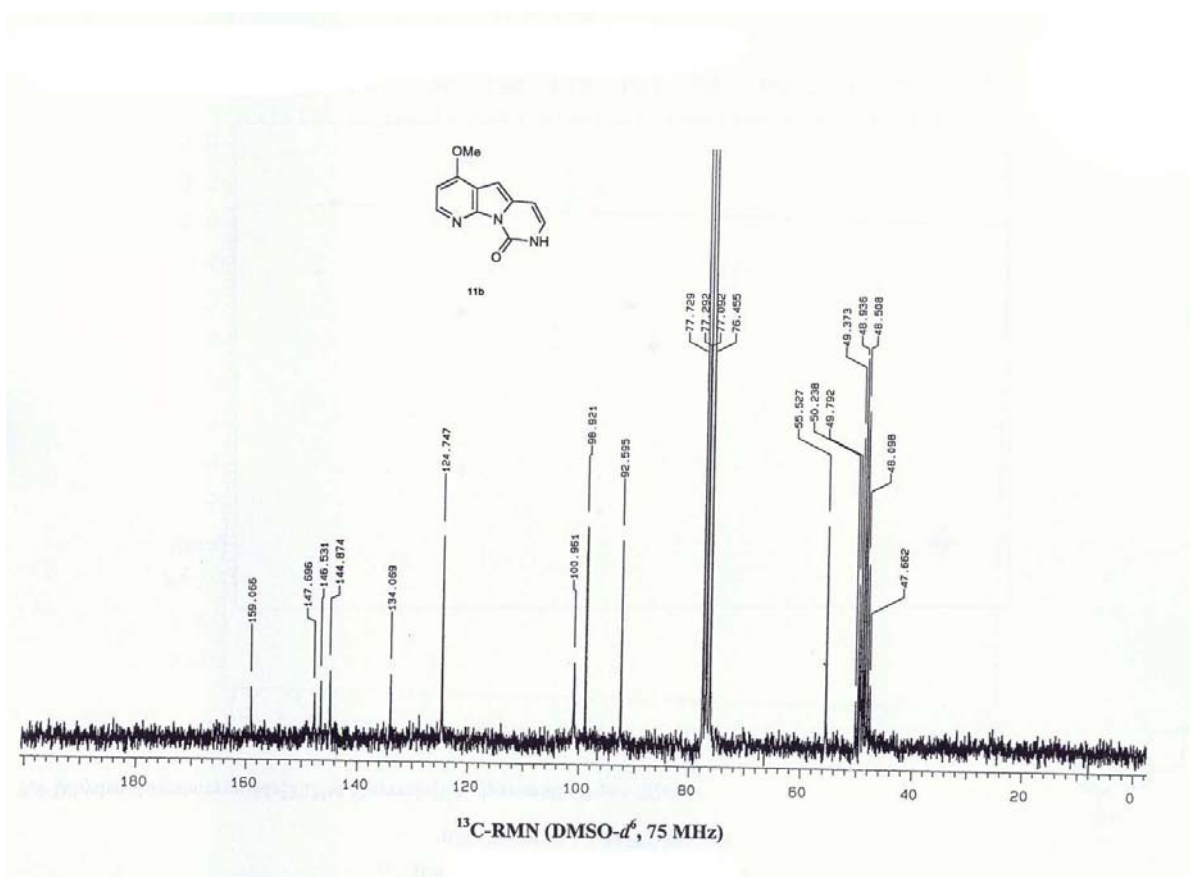
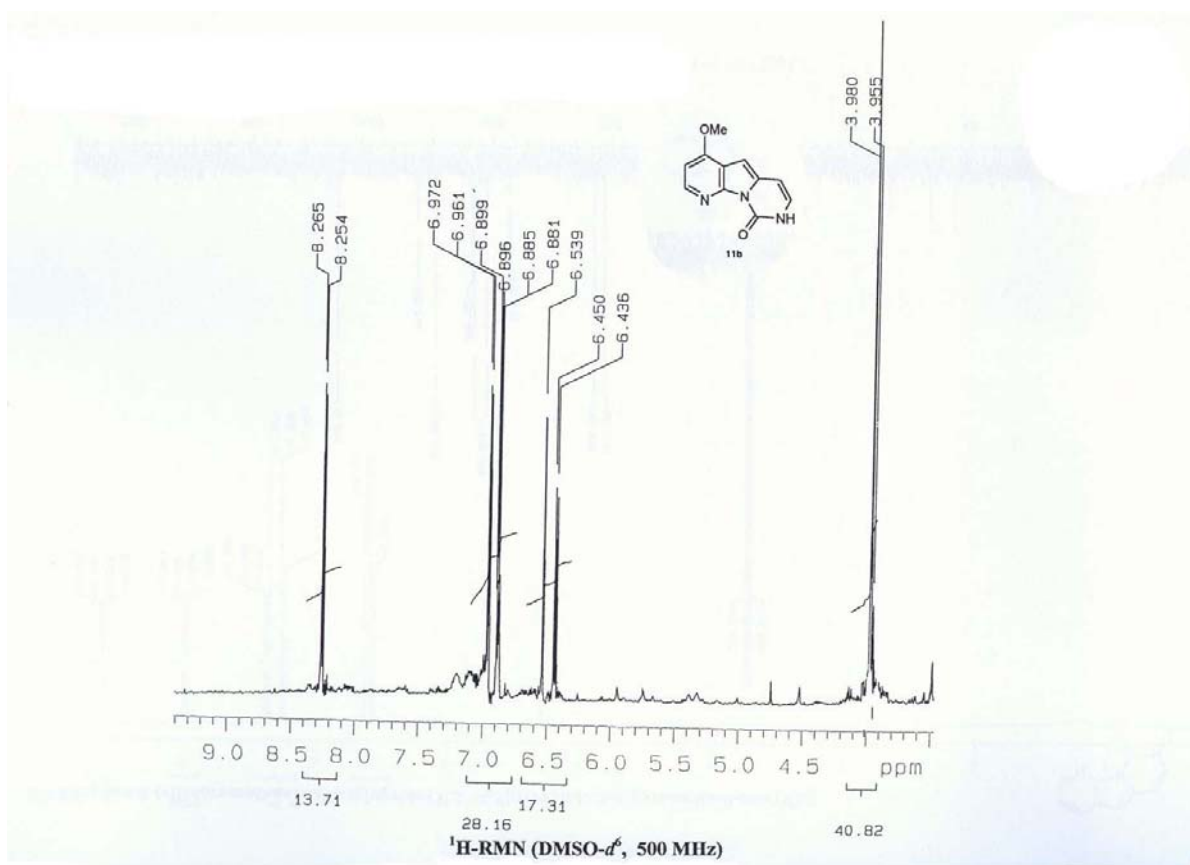


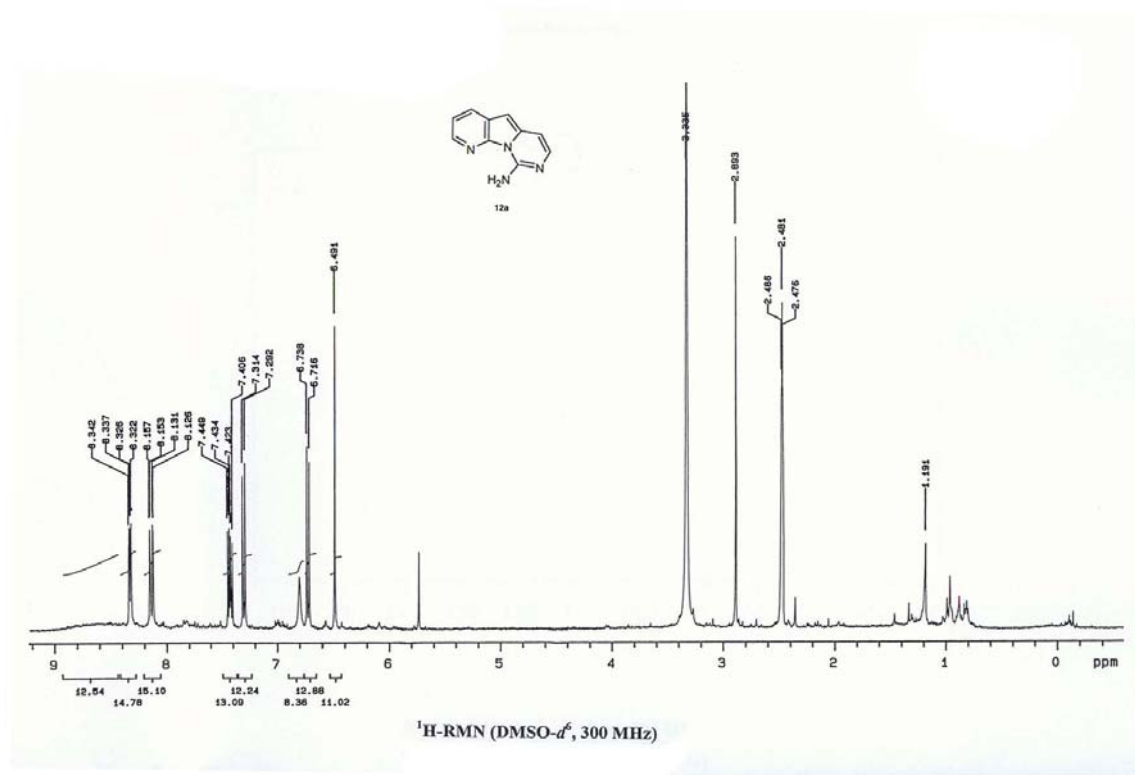
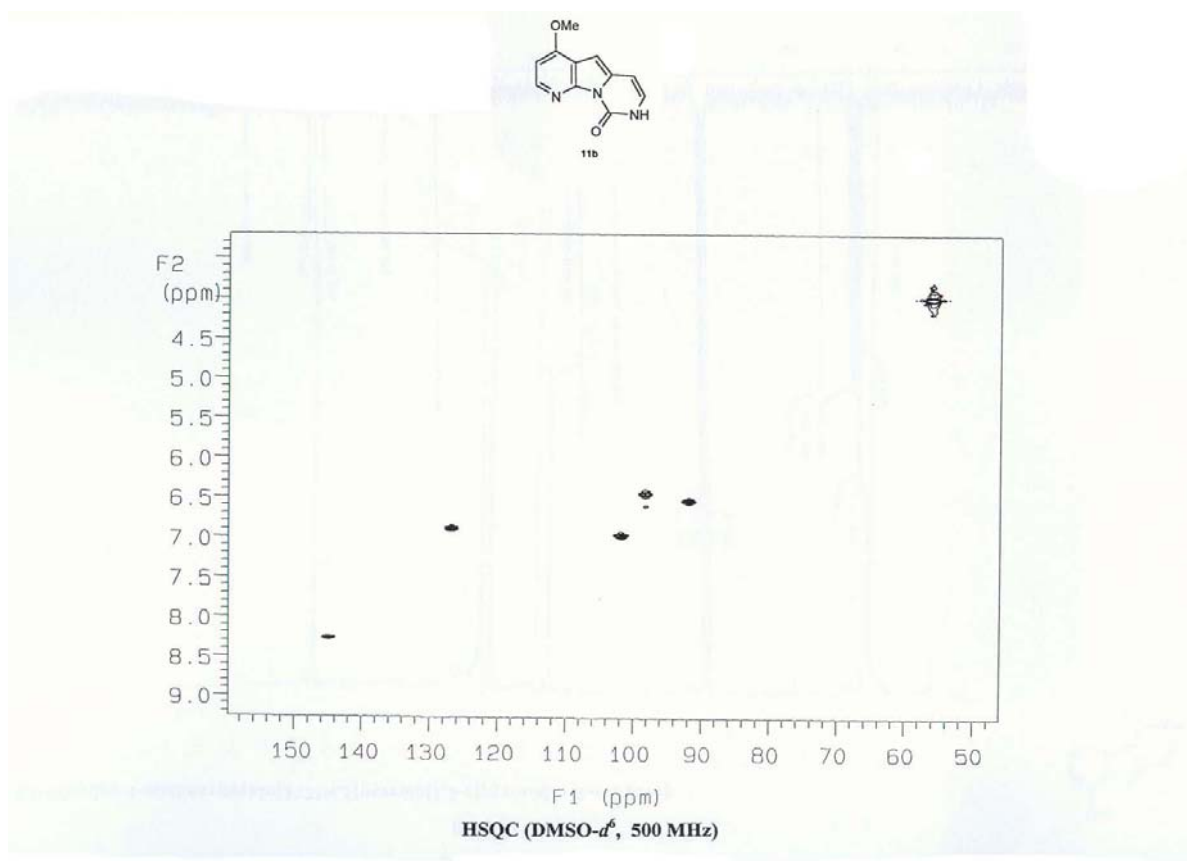


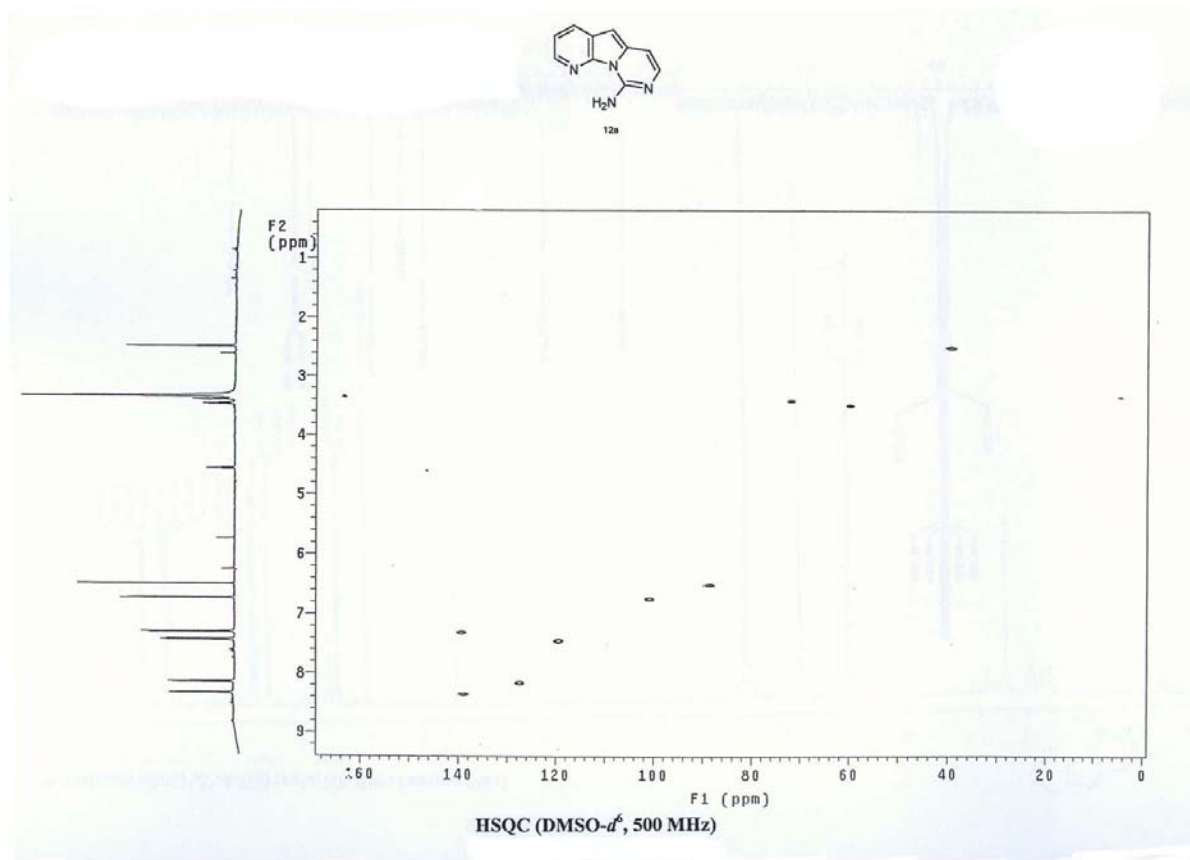
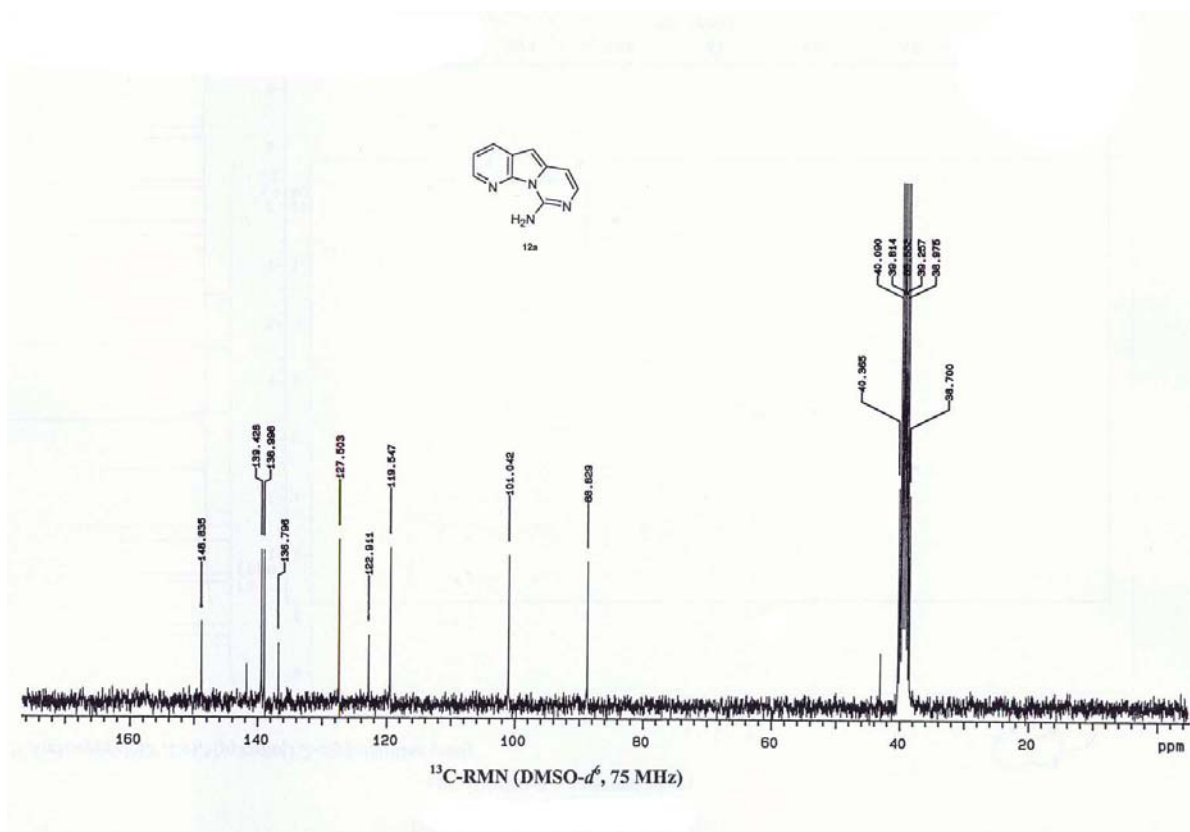


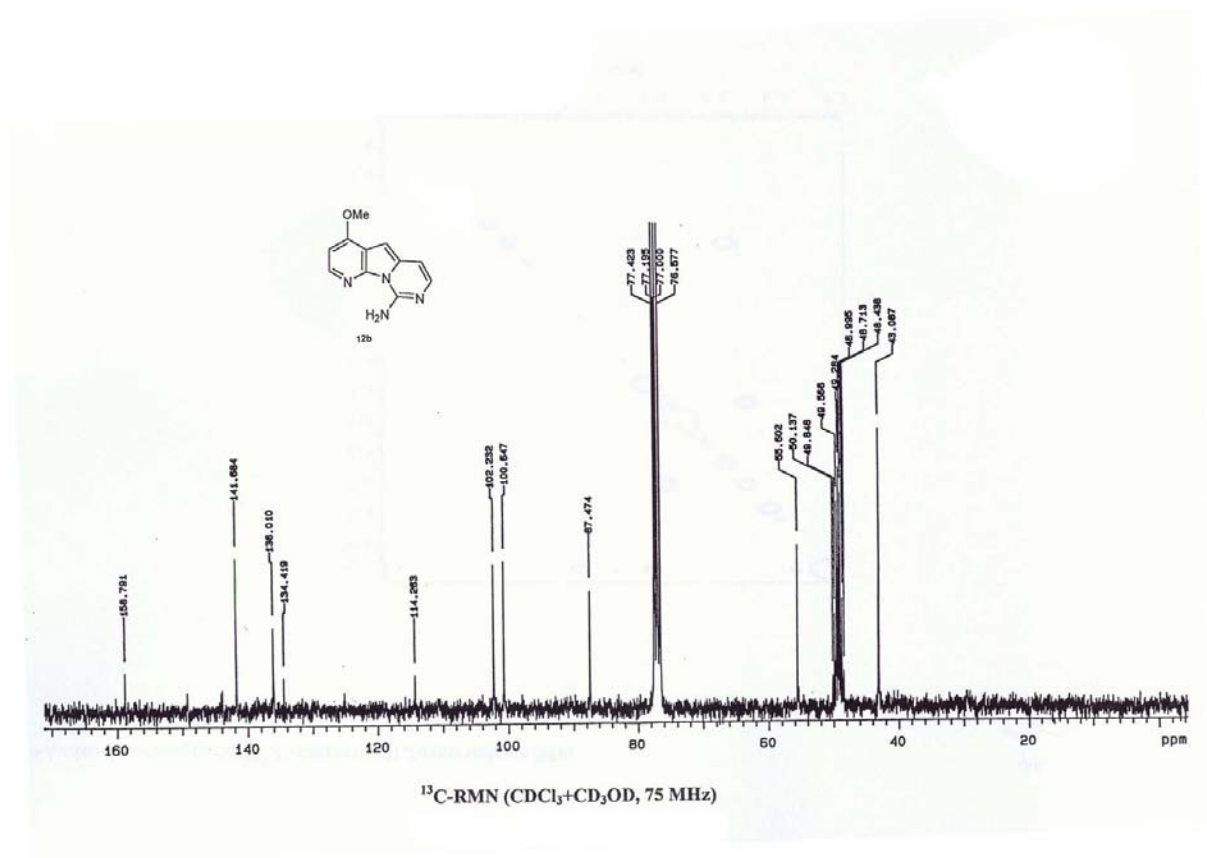
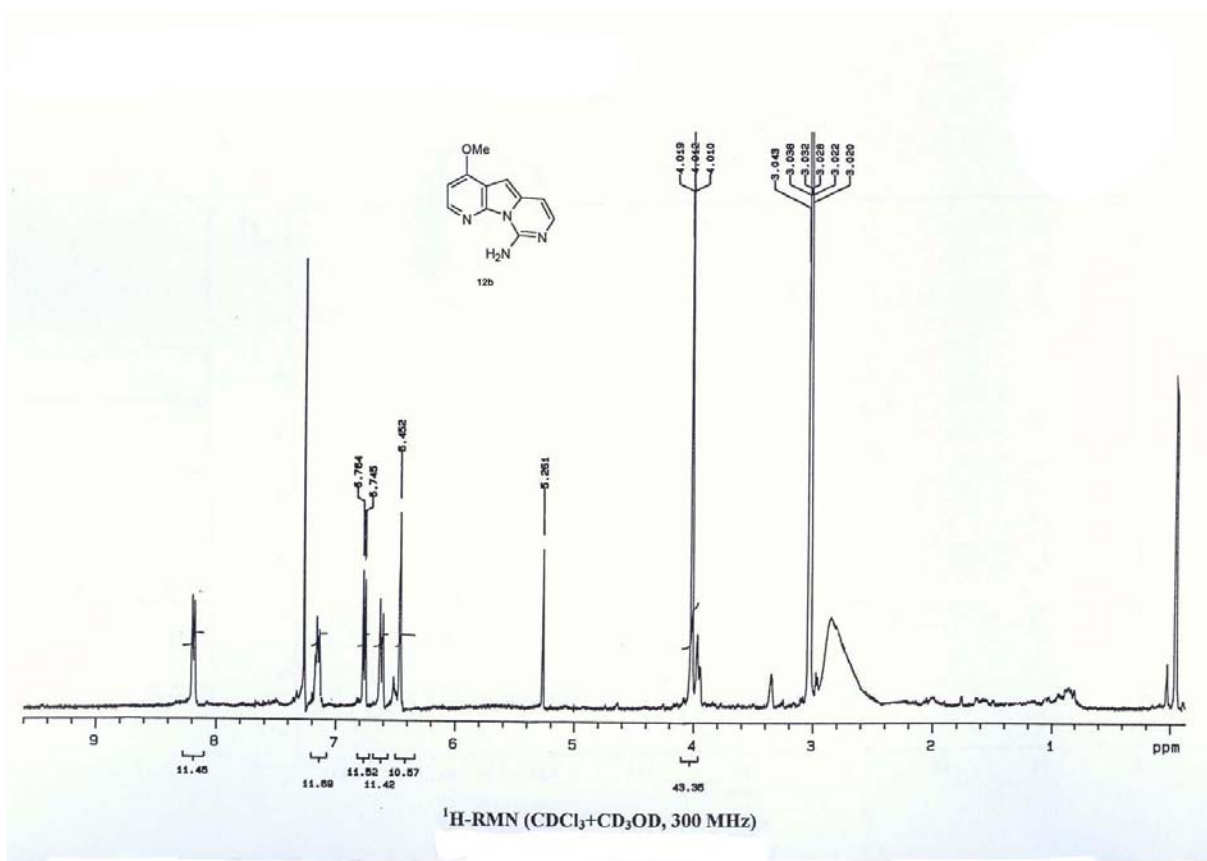


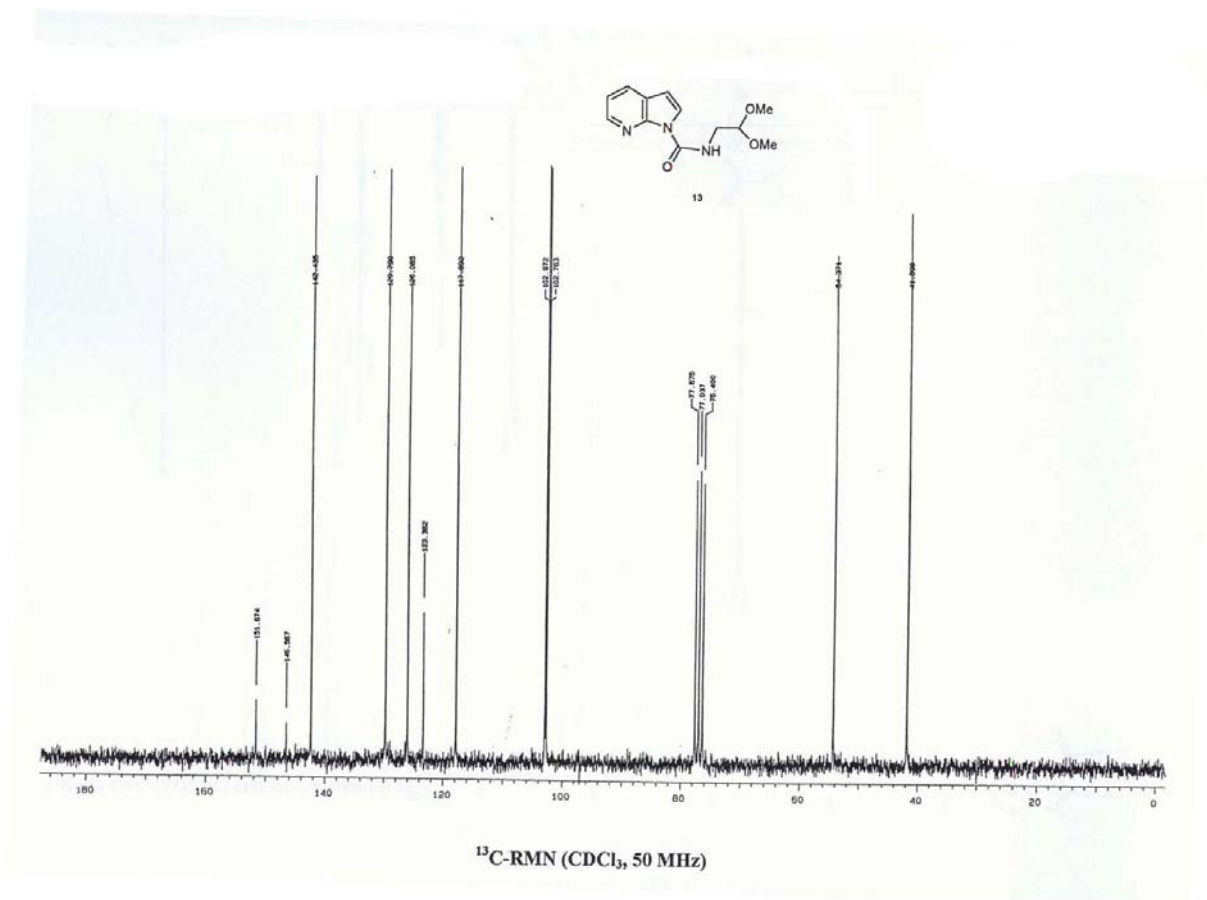
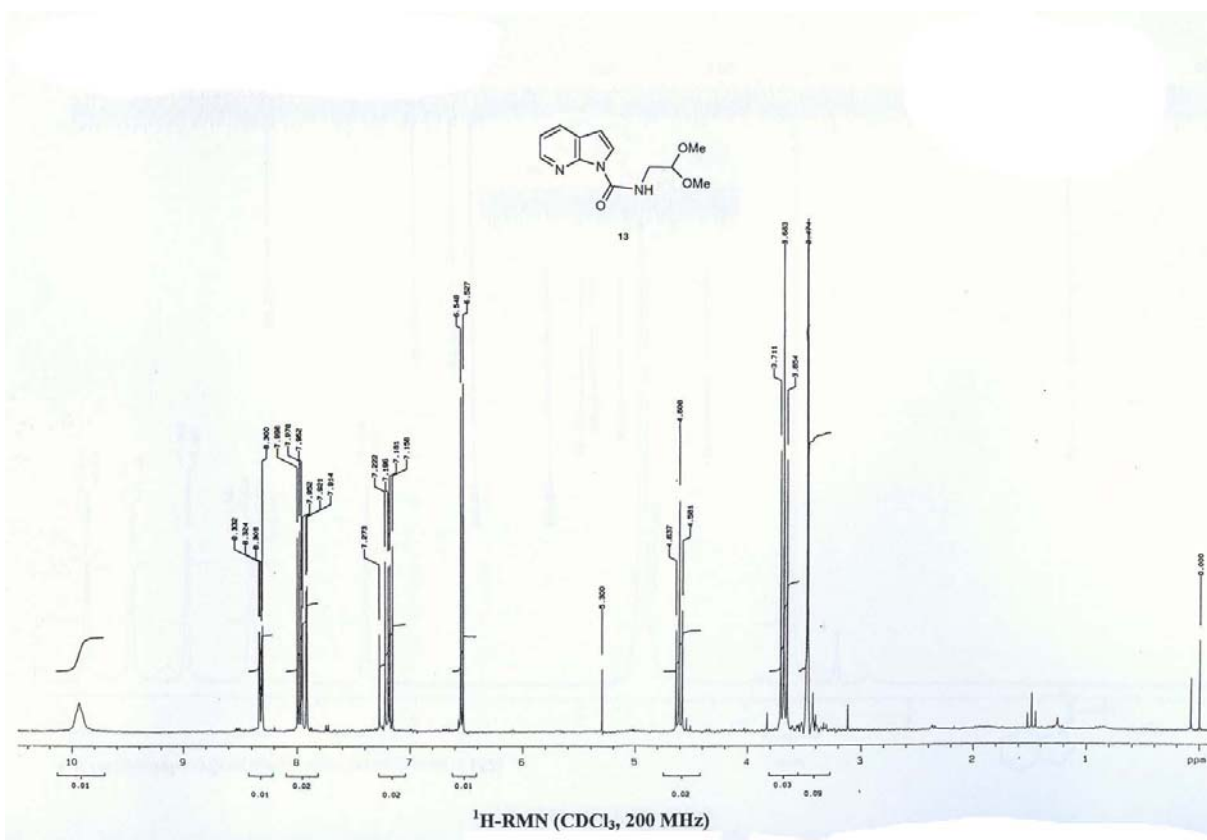


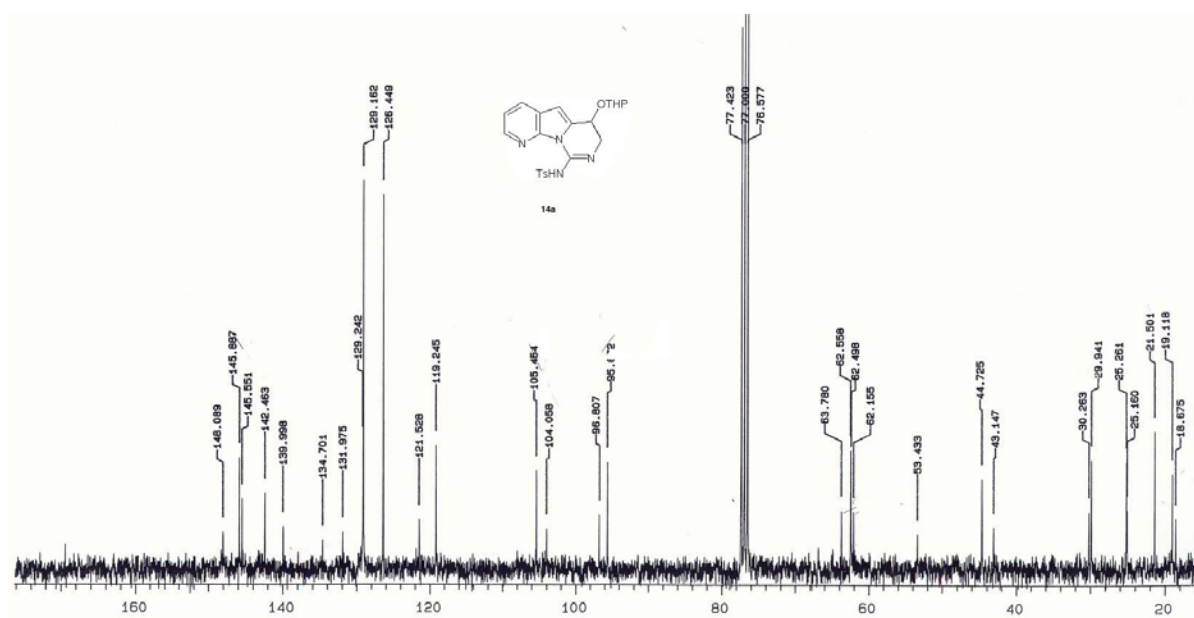
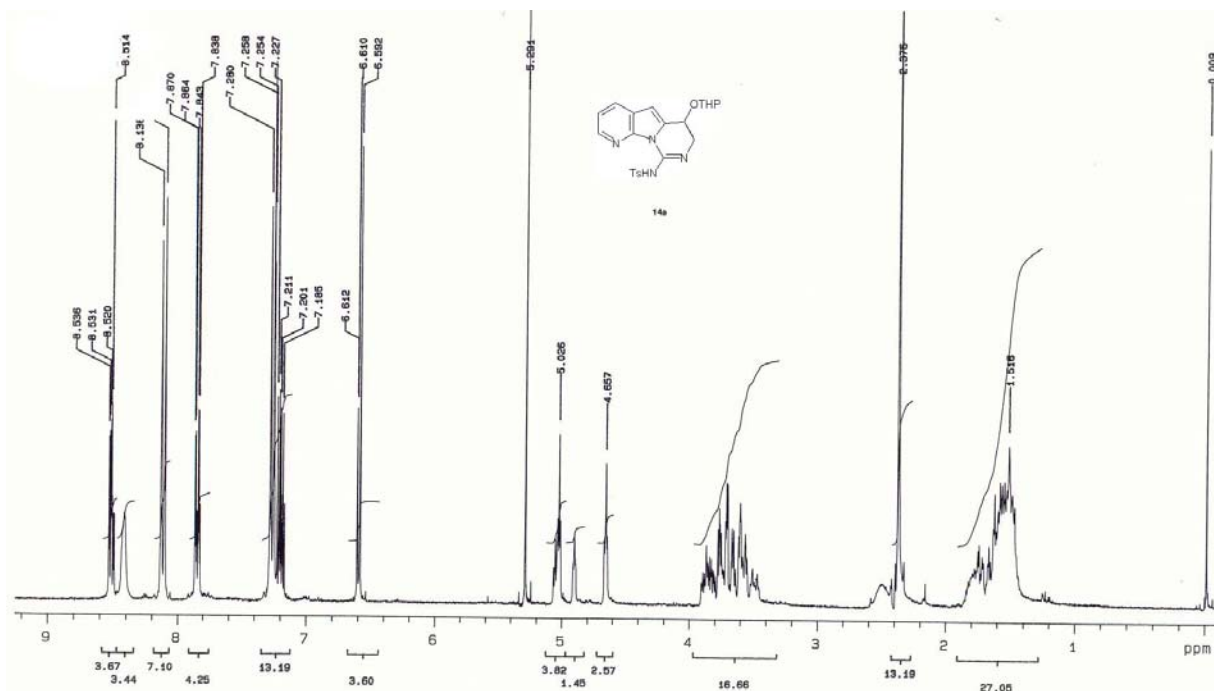




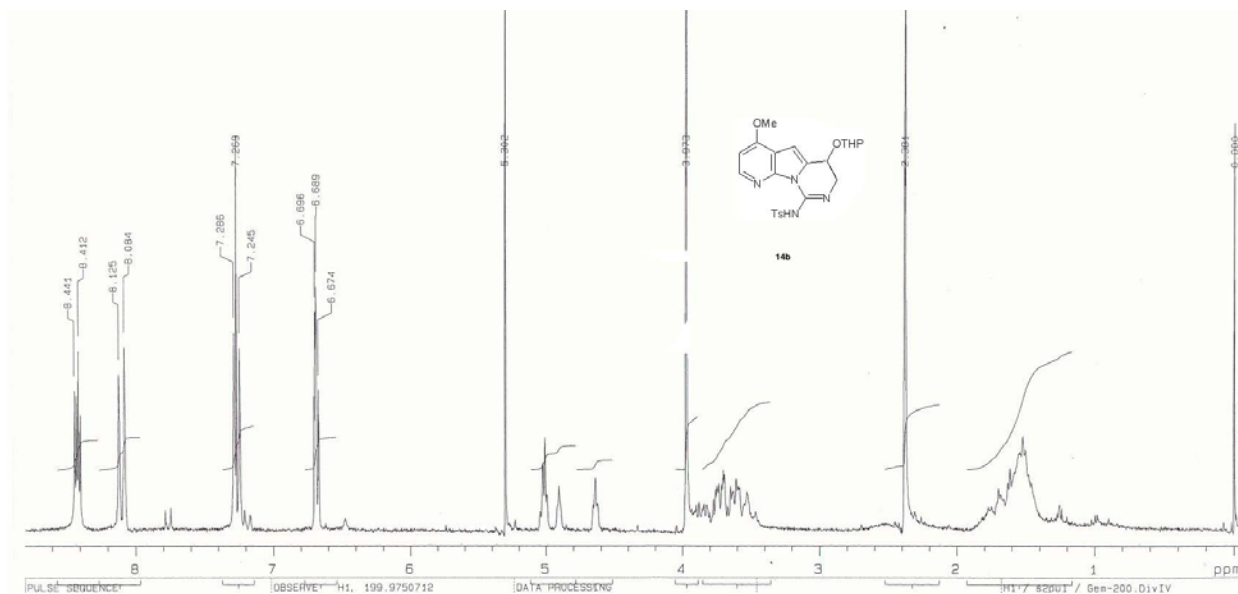




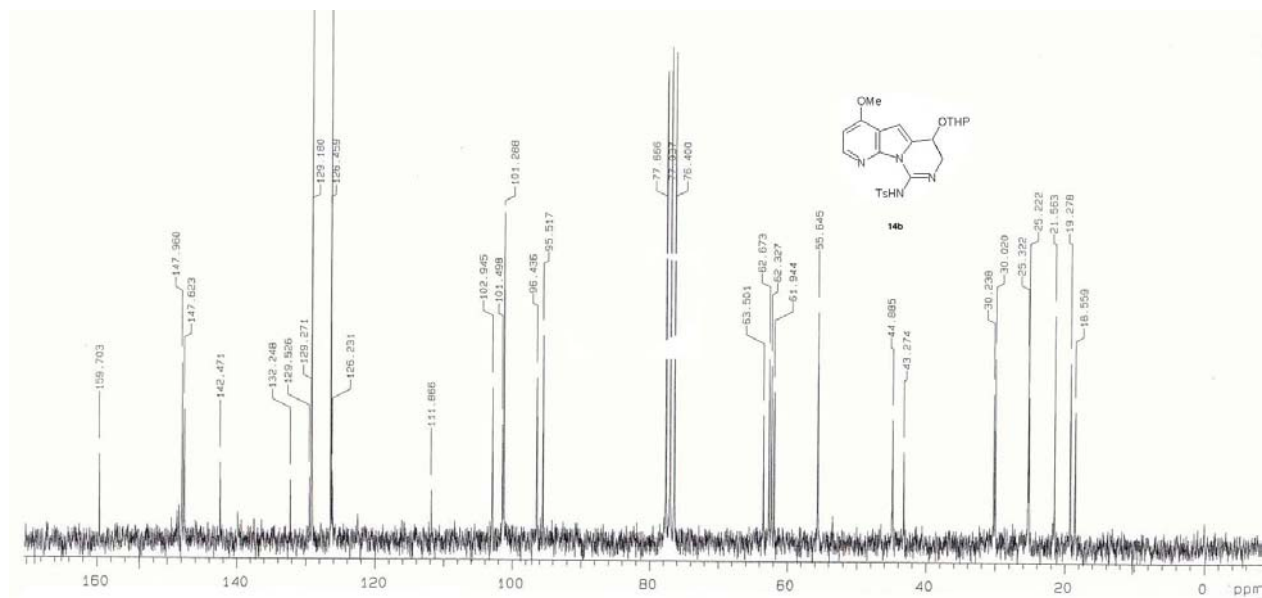




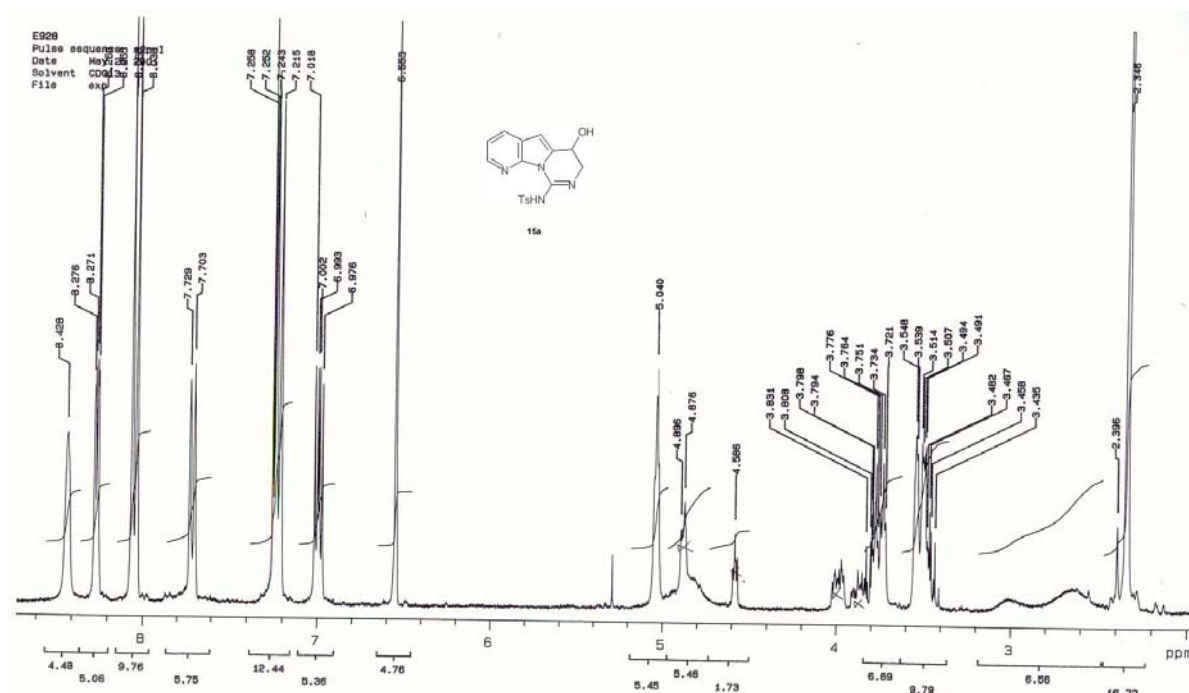




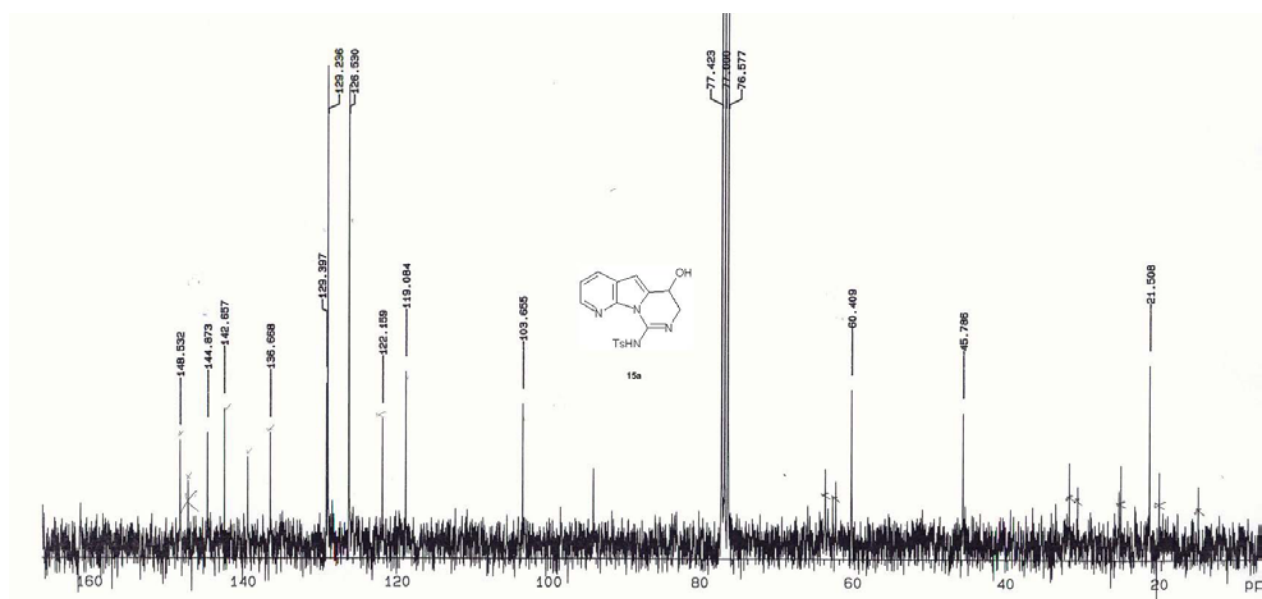
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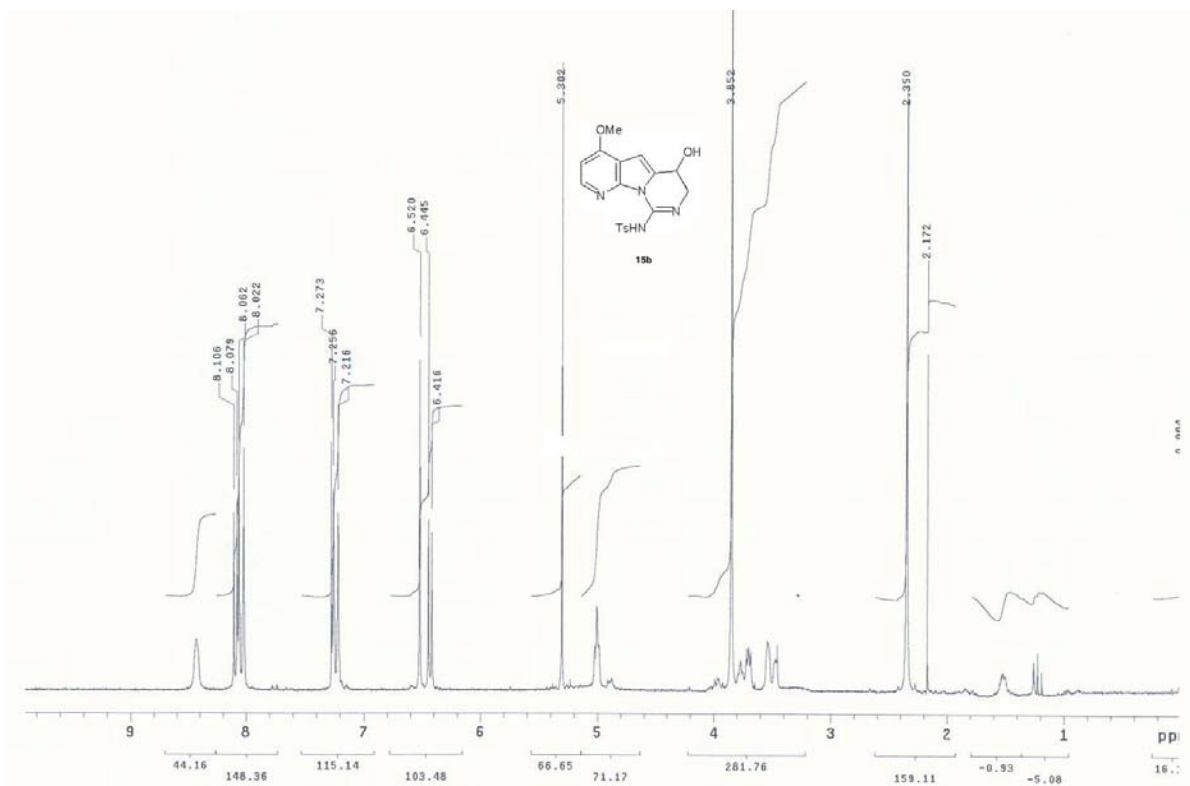
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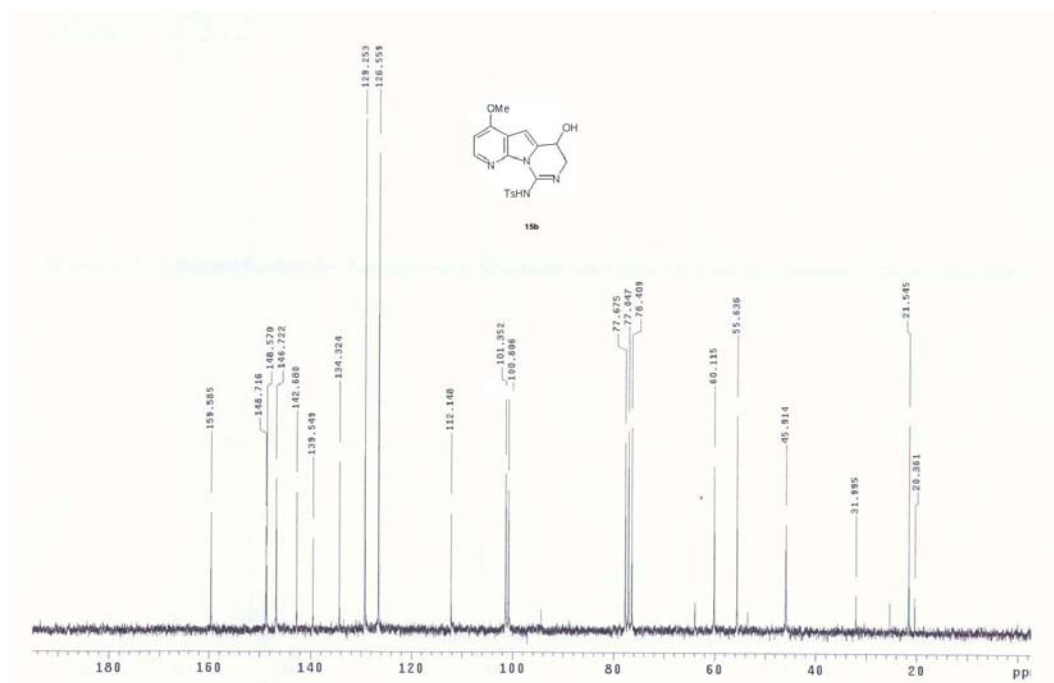
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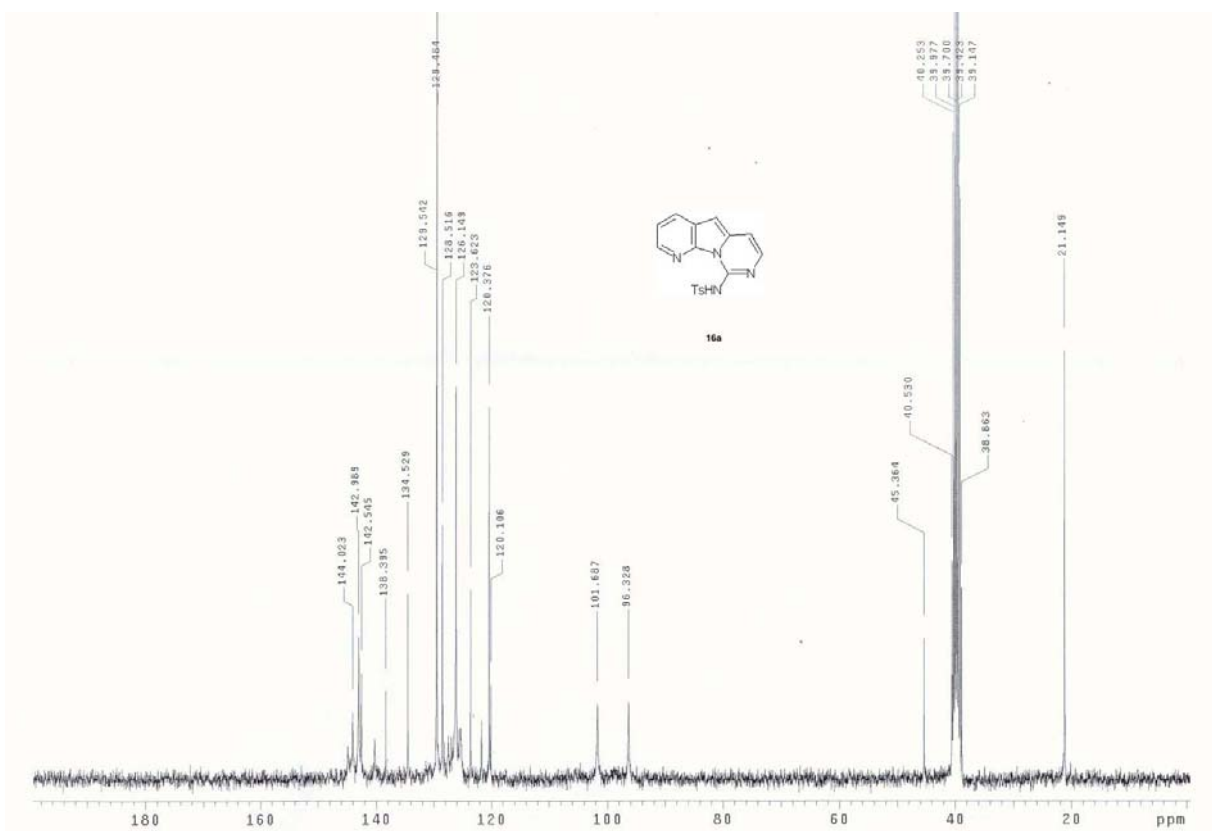
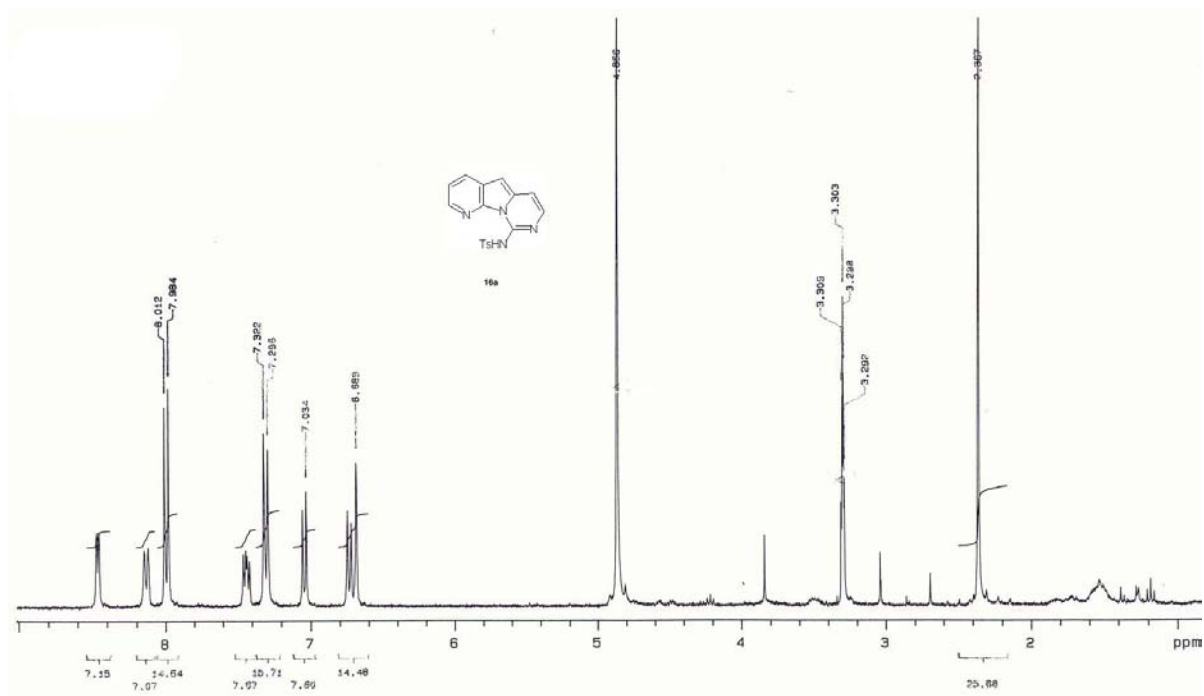
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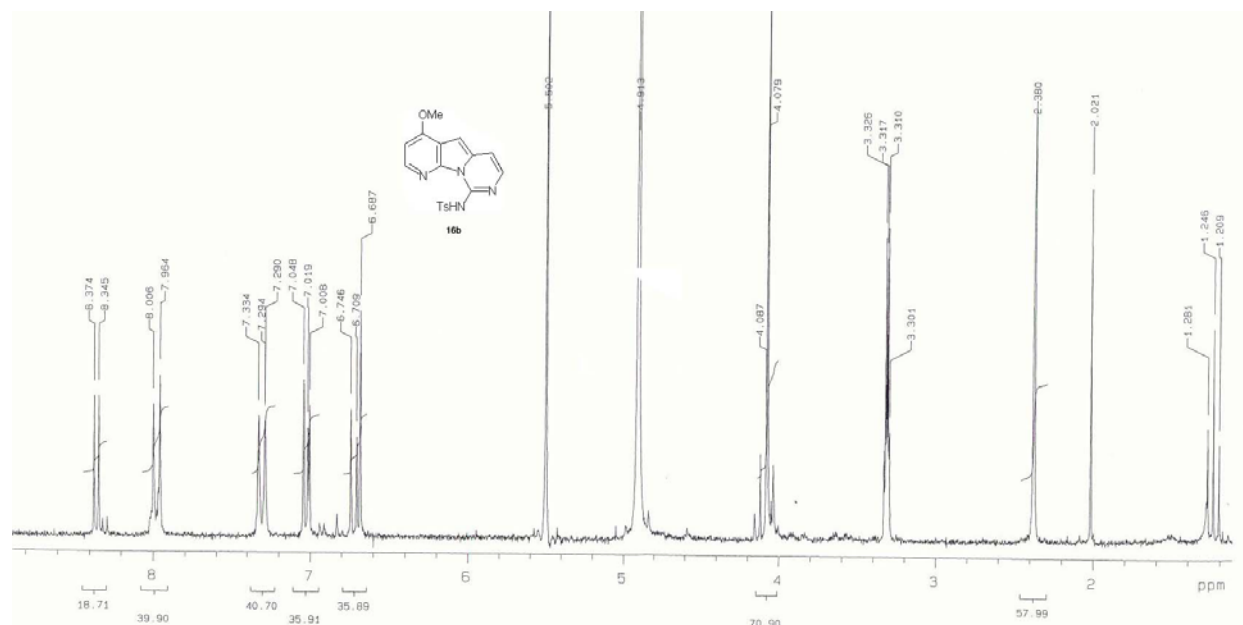


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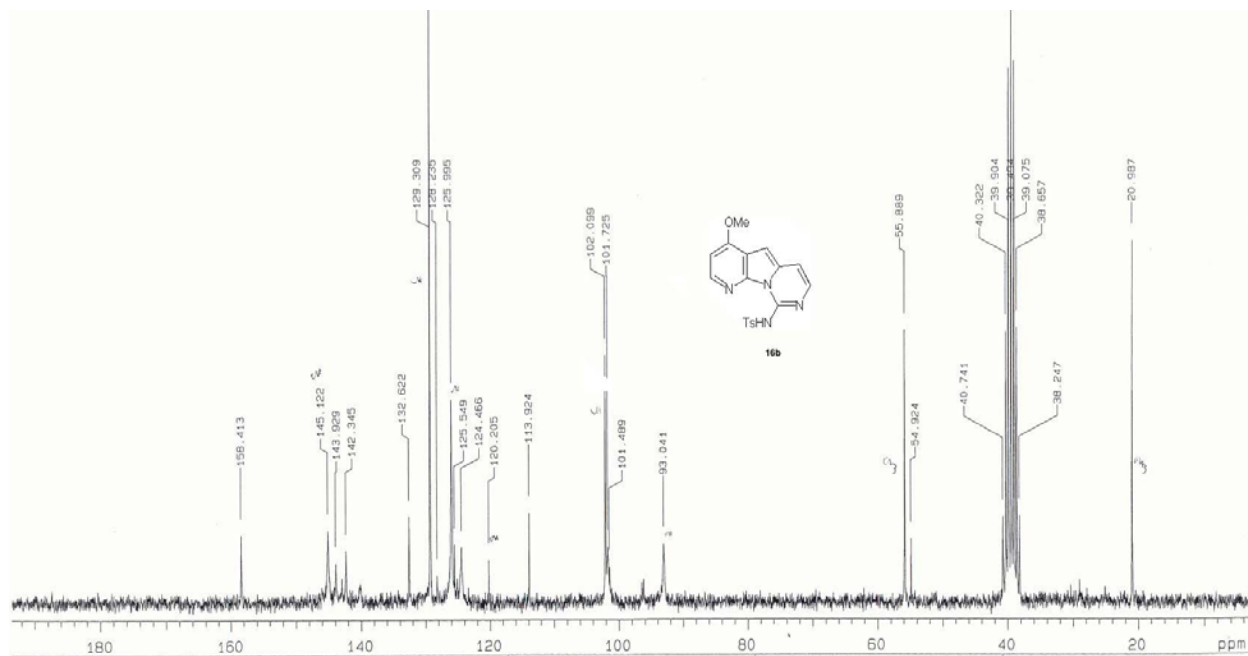


<sup>13</sup>C-RMN (CDCl<sub>3</sub>, 75 MHz)

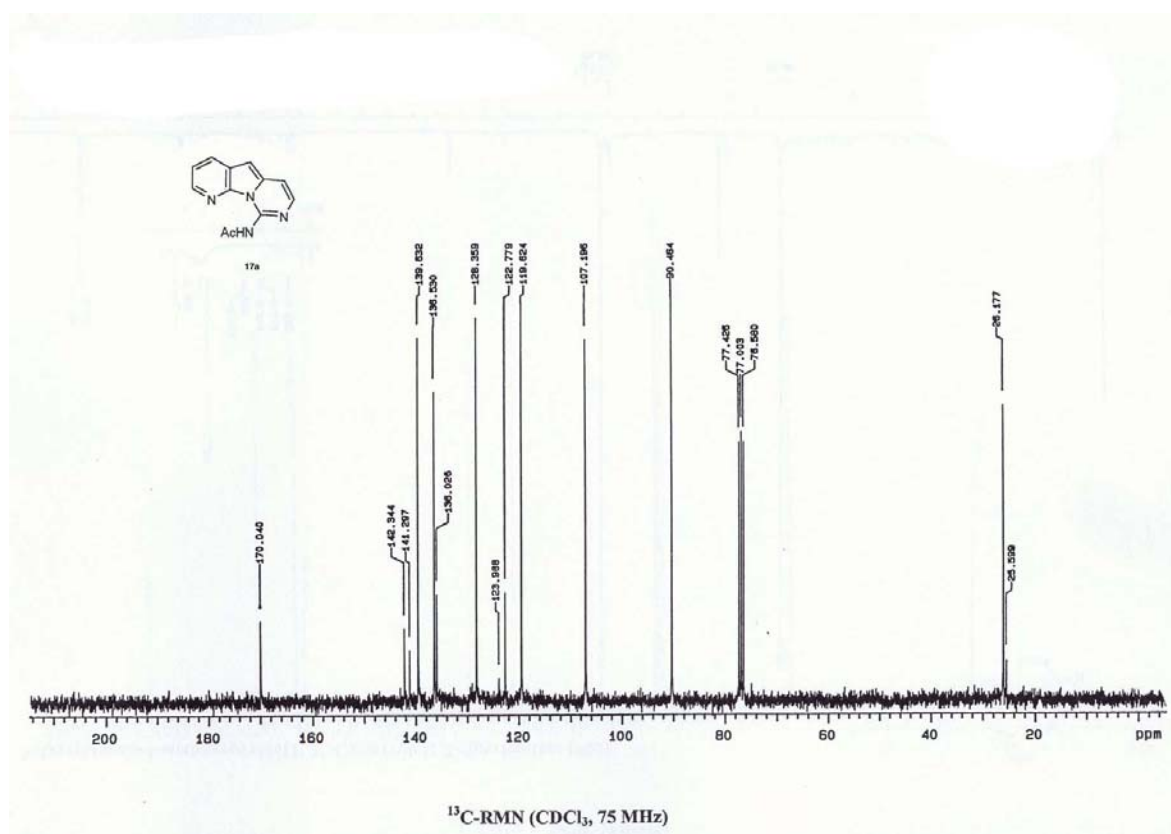
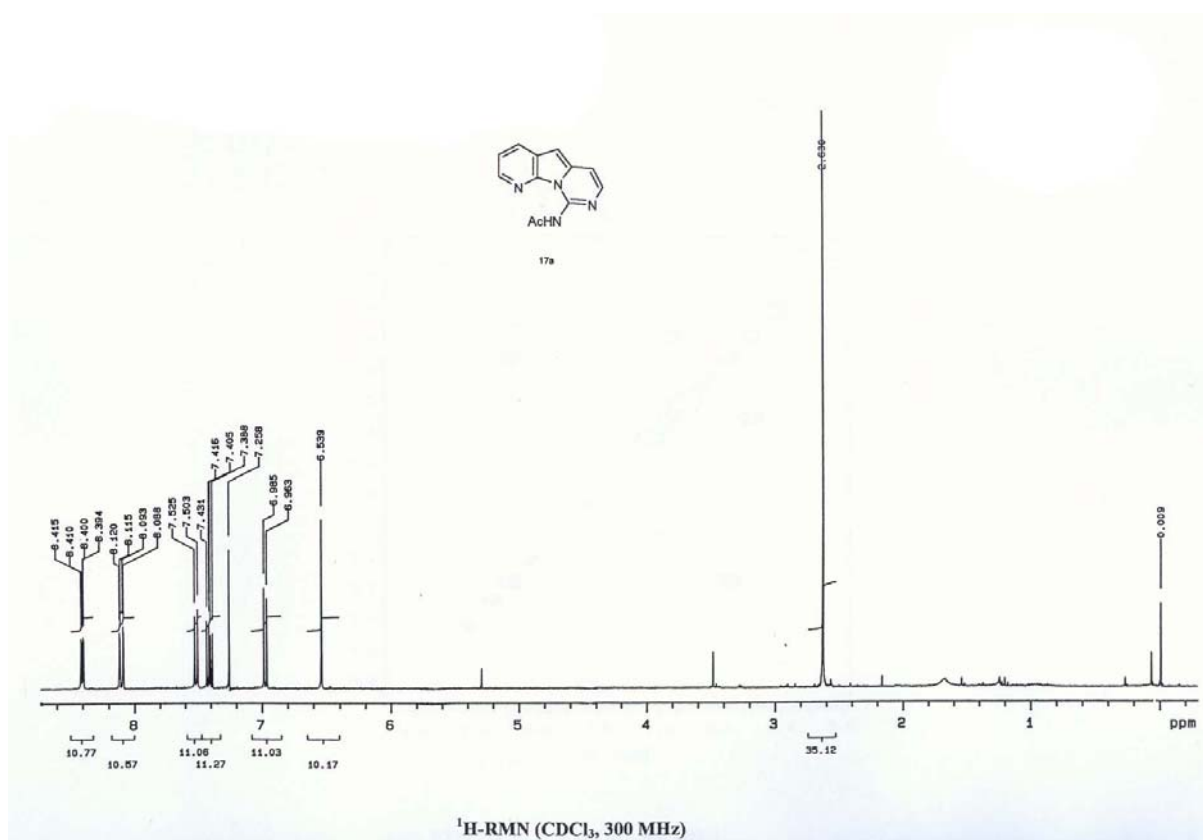




<sup>1</sup>H-RMN (DMSO-d<sub>6</sub>, 200 MHz)

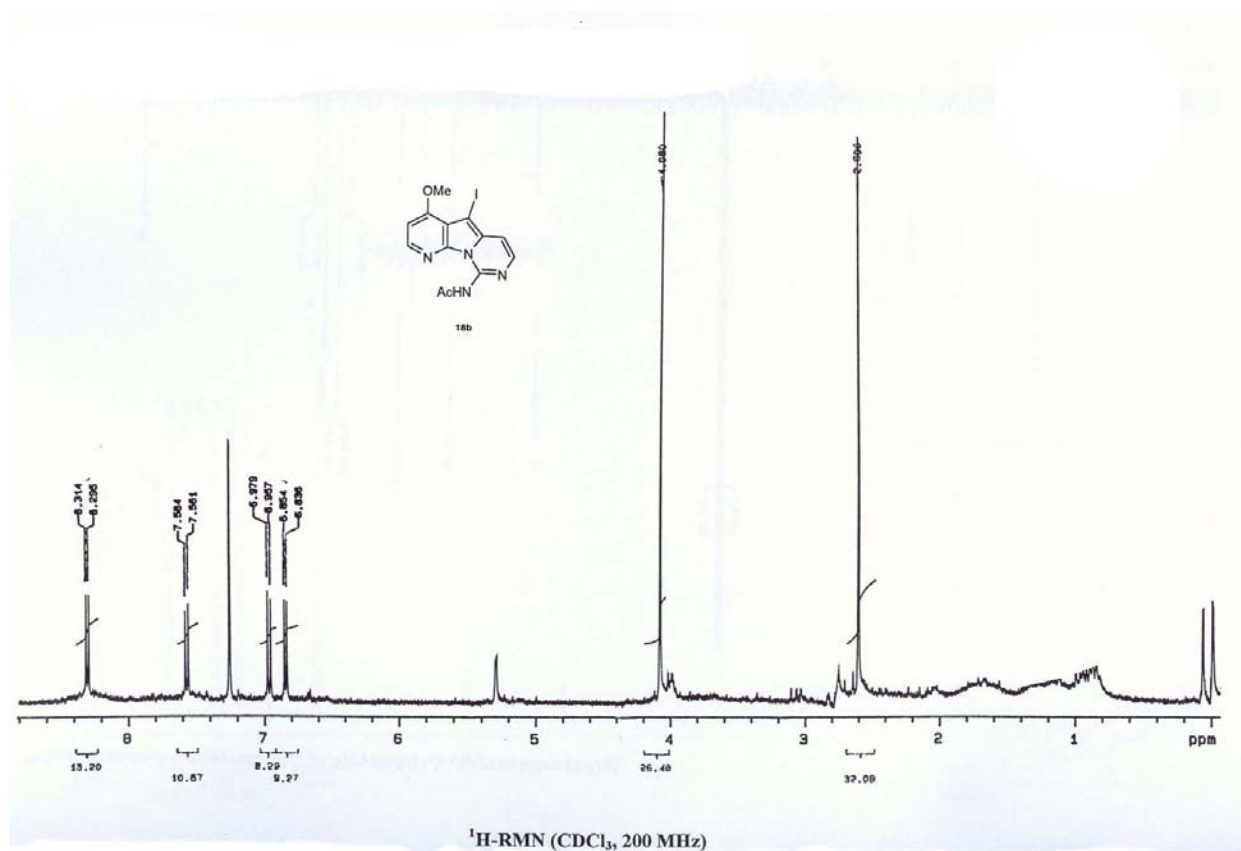
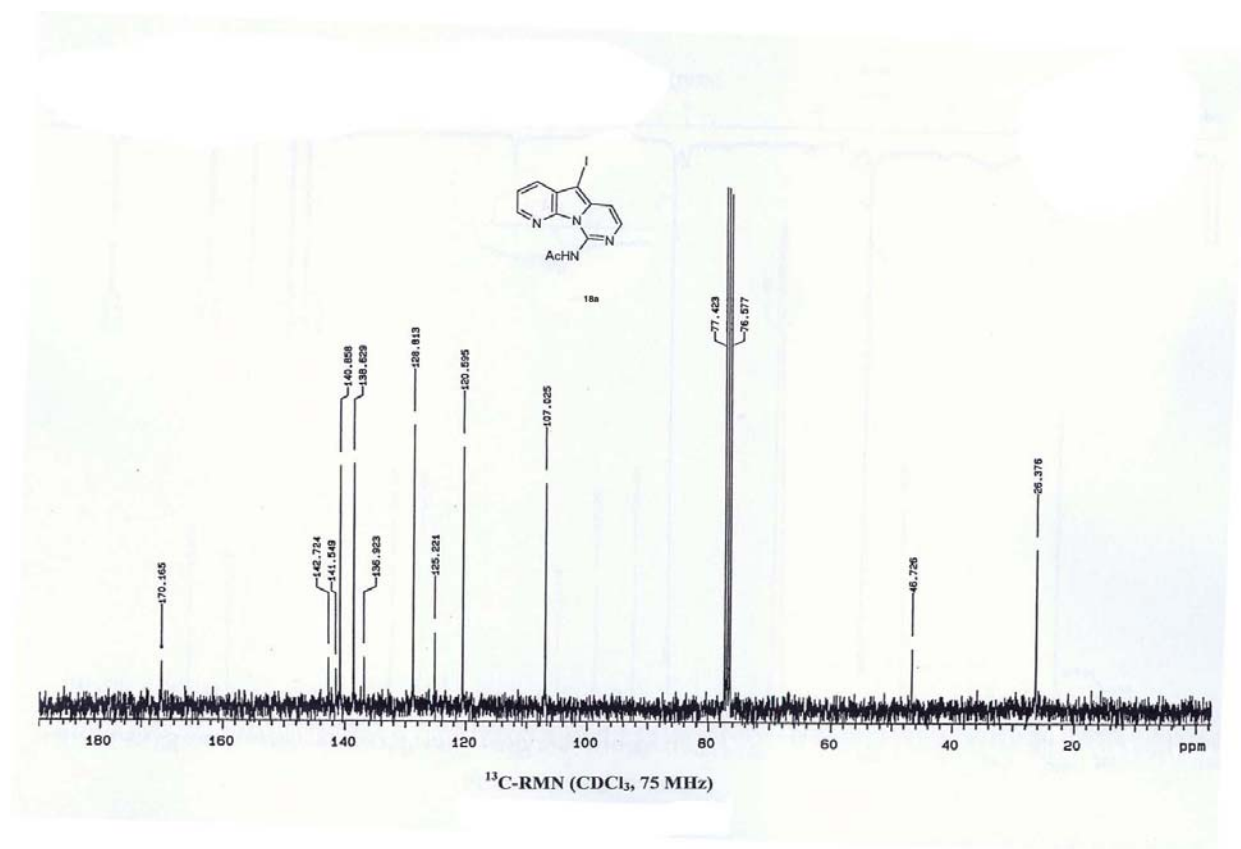


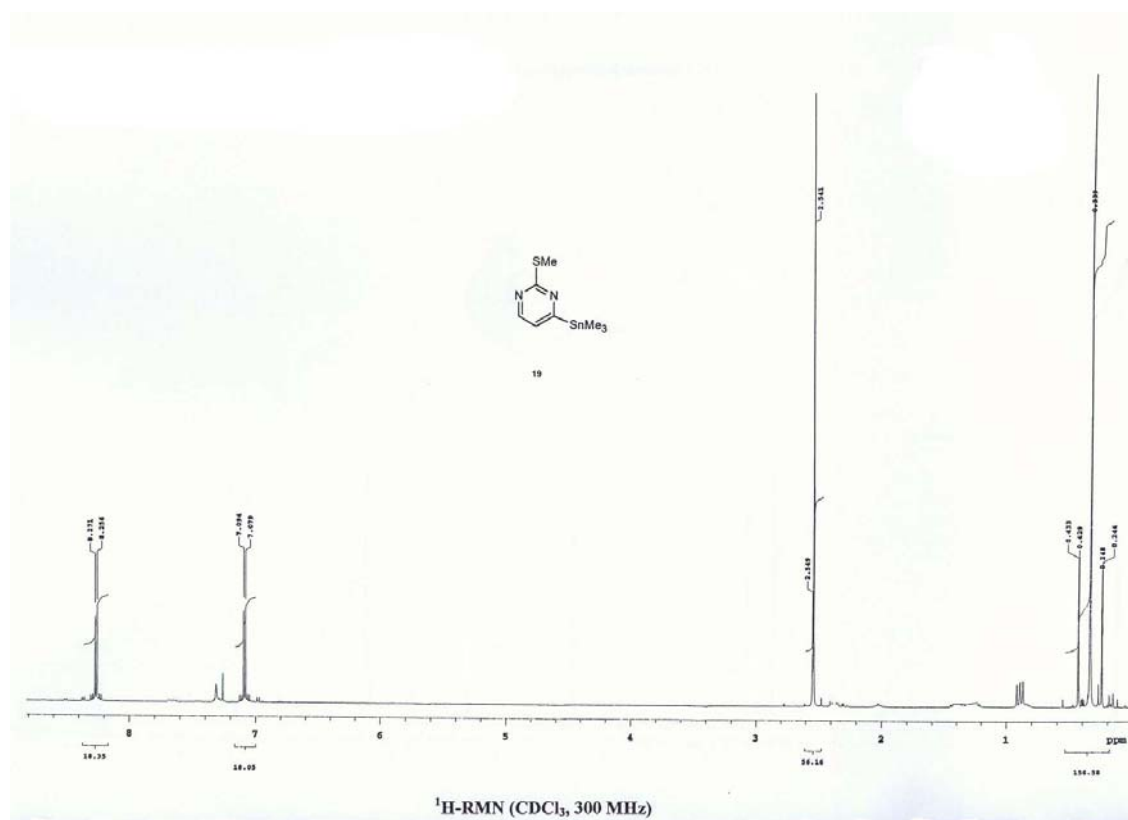
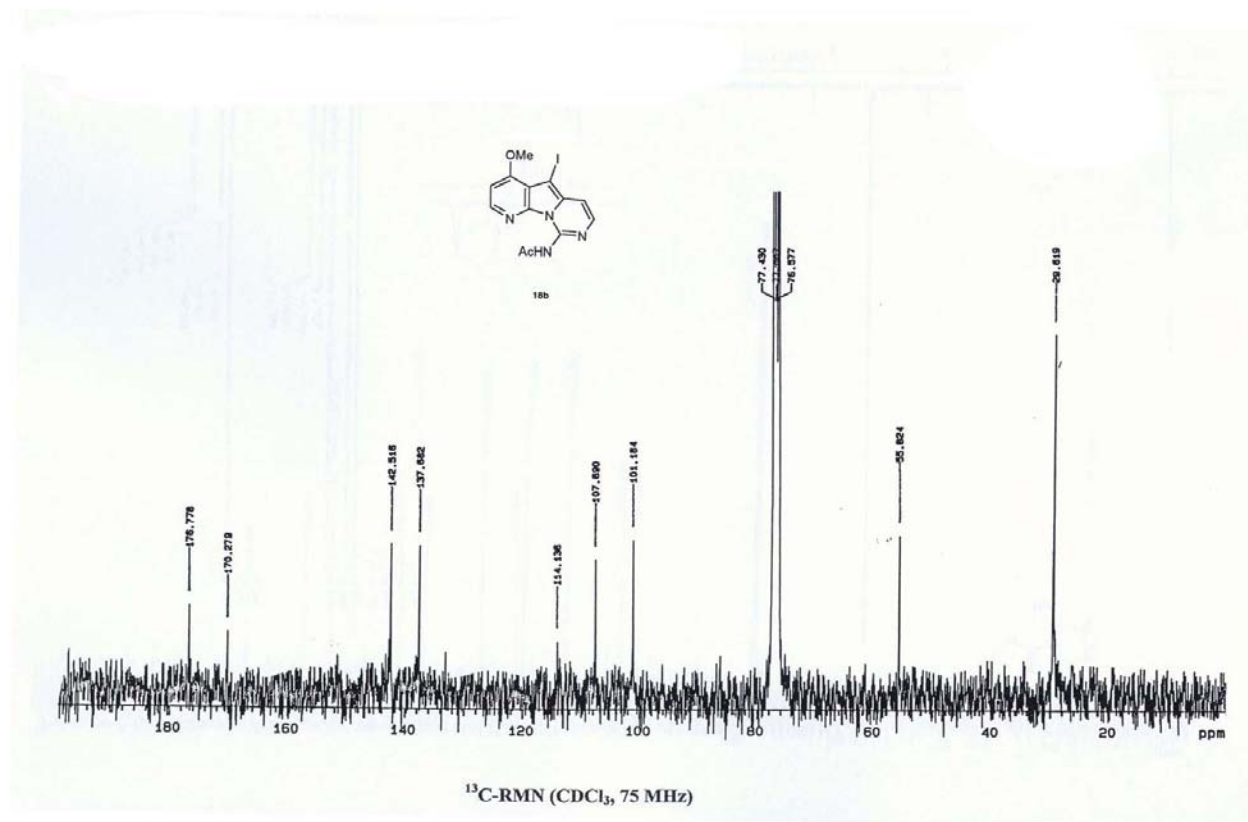
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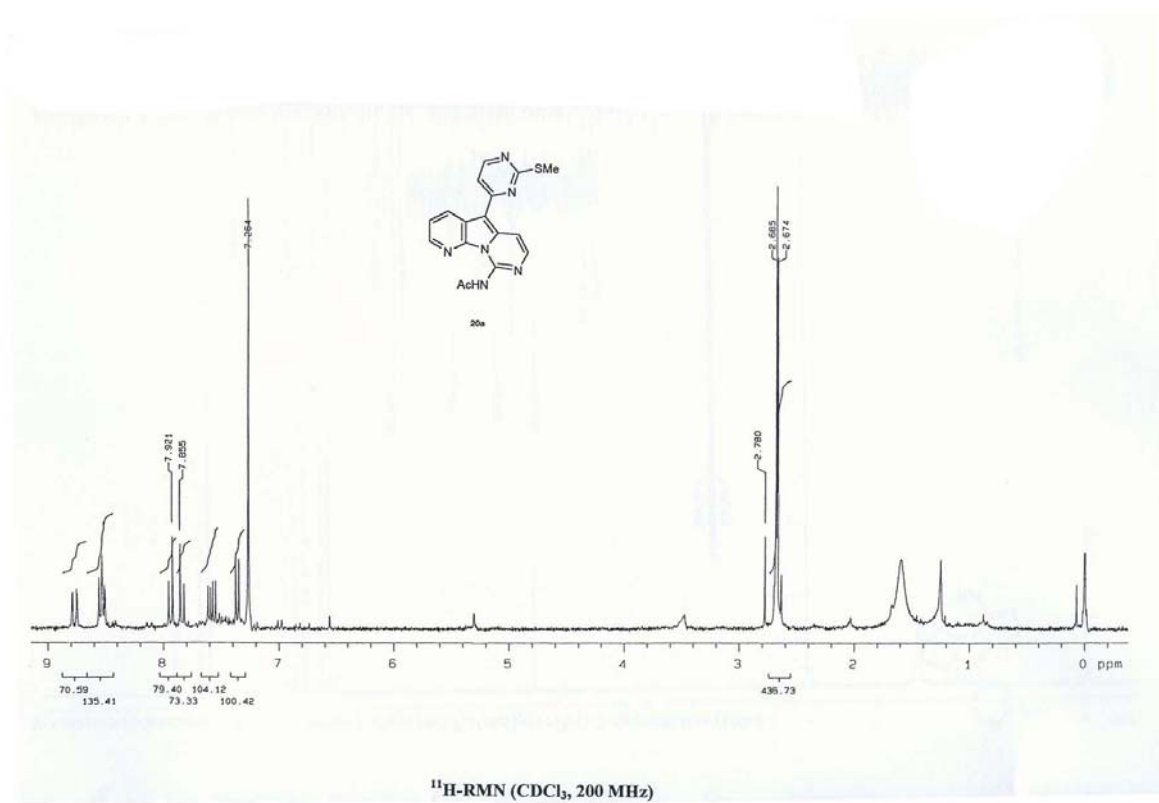
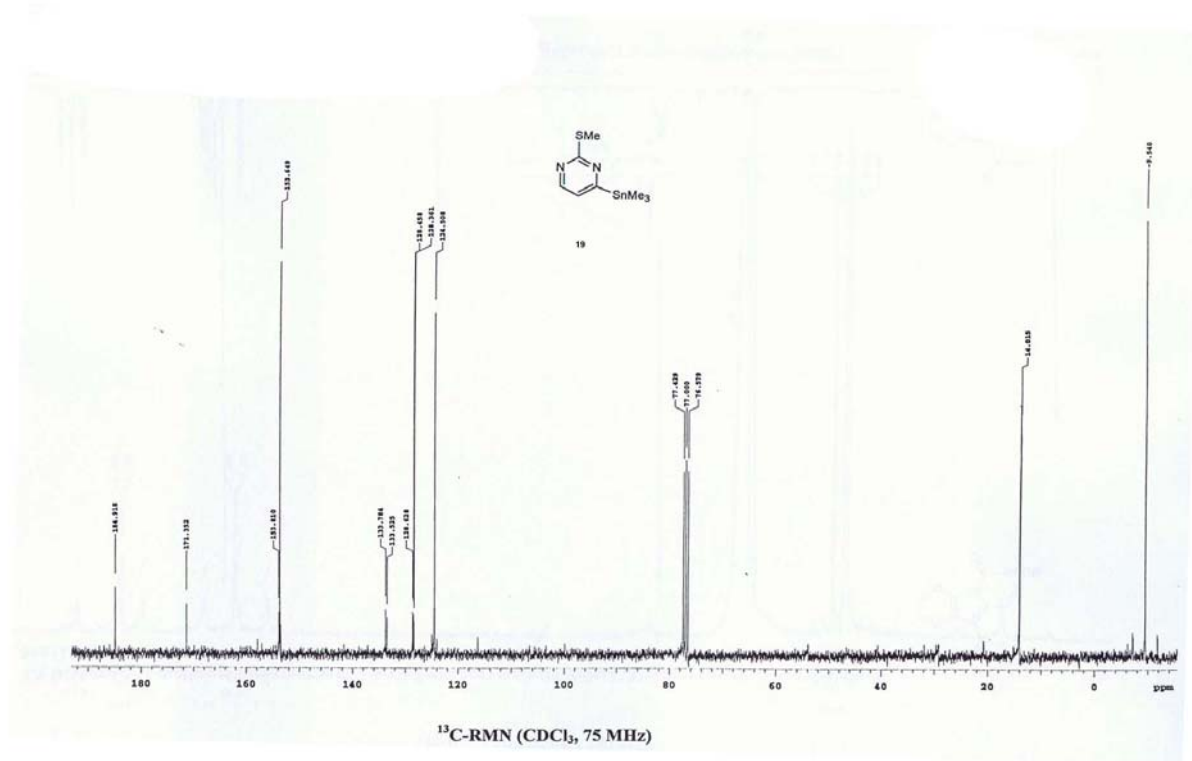


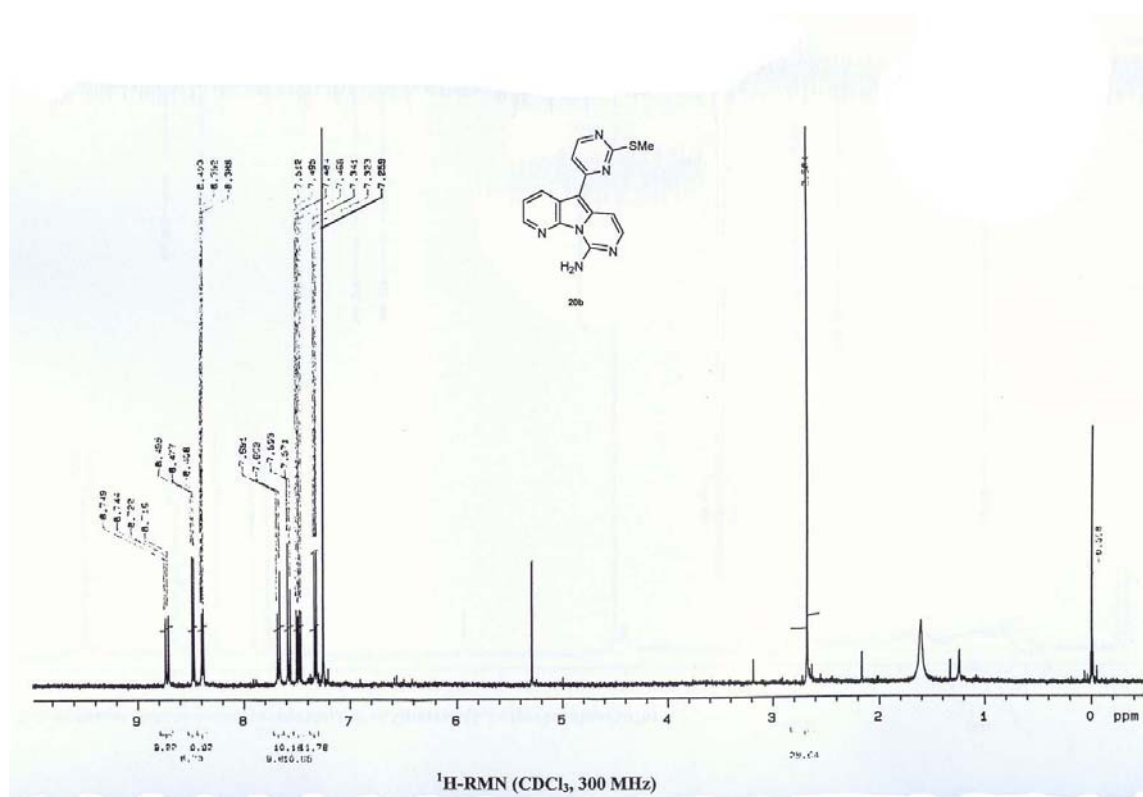
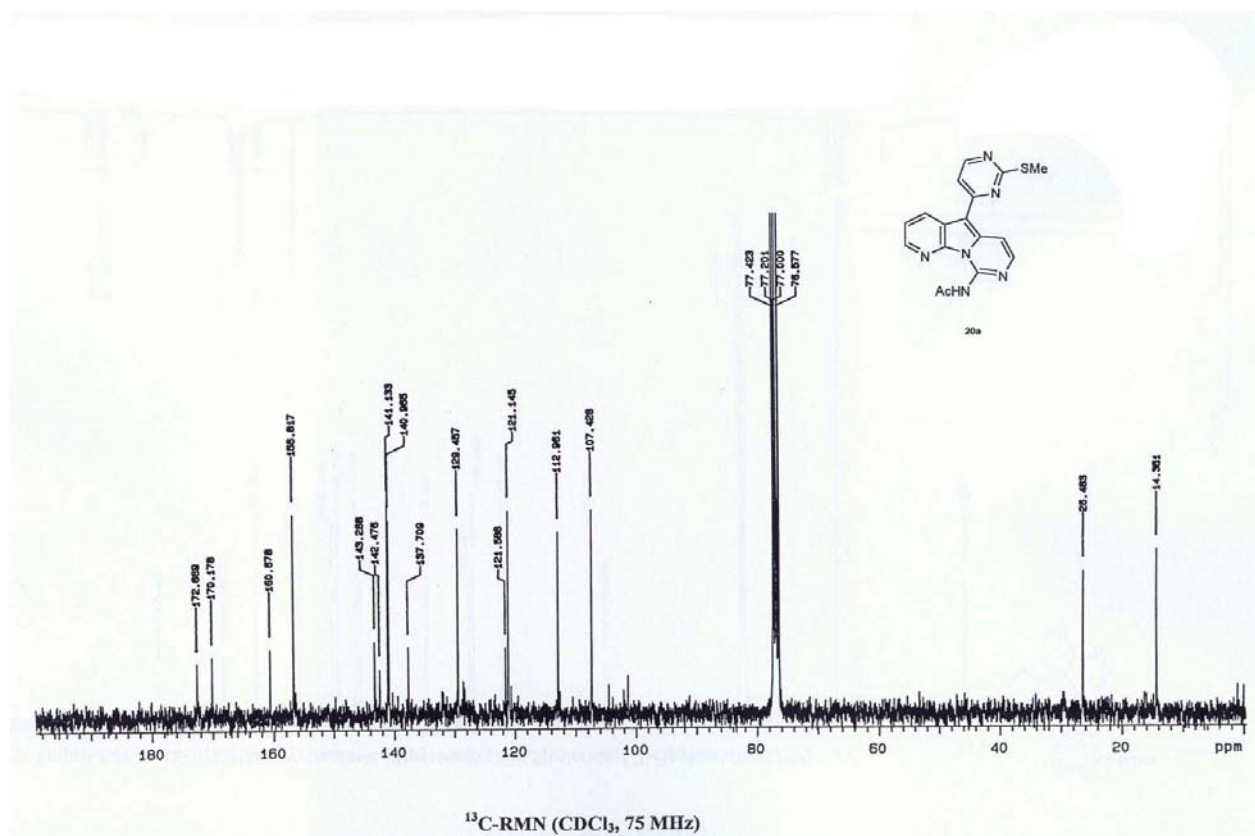


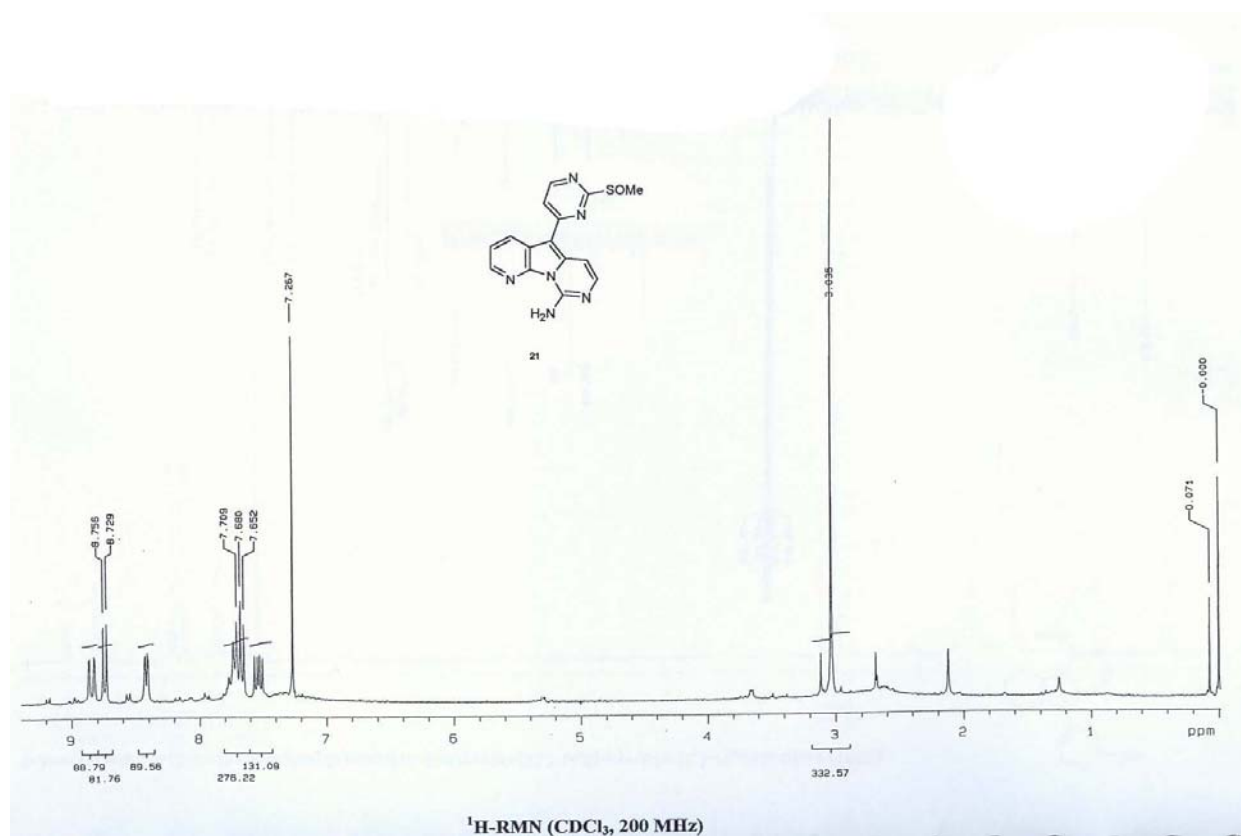
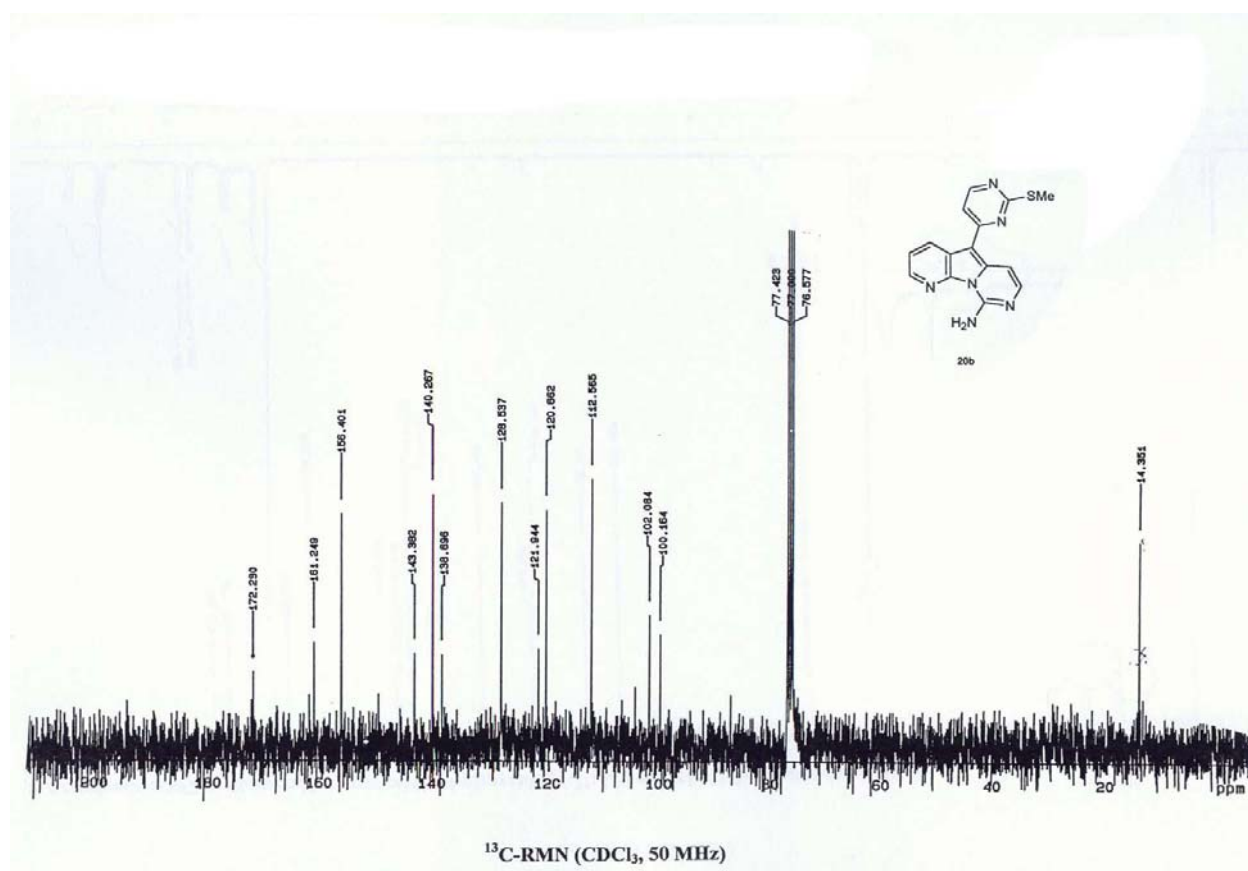


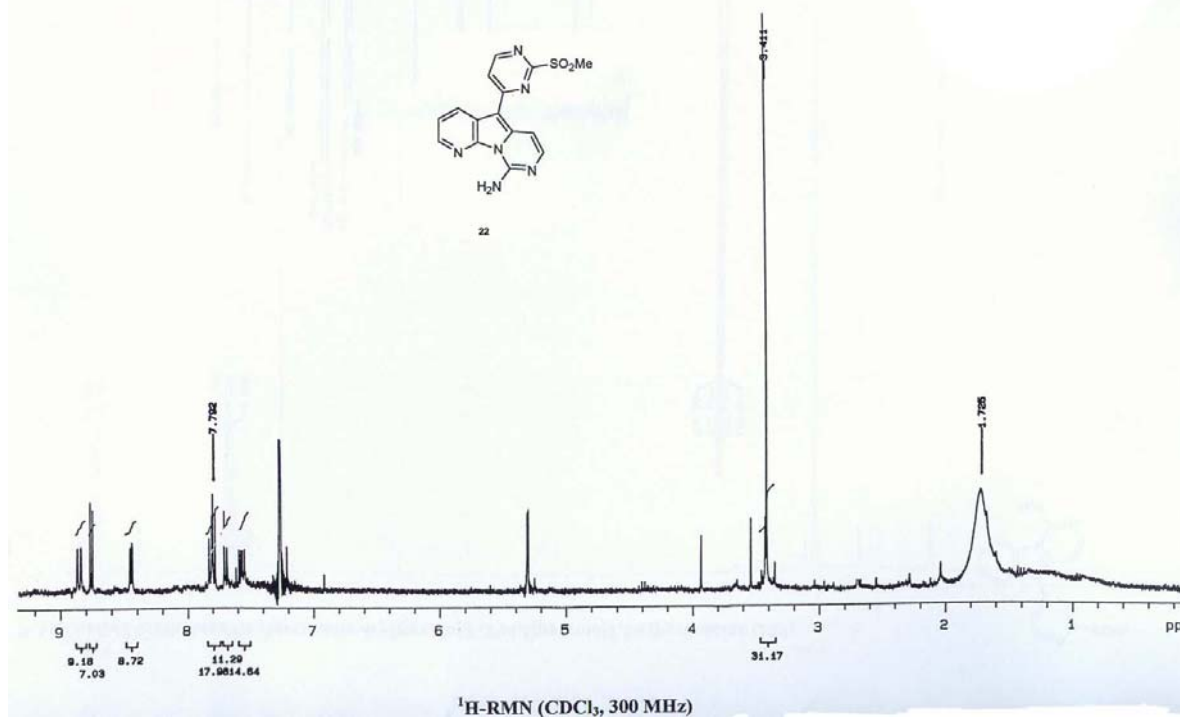
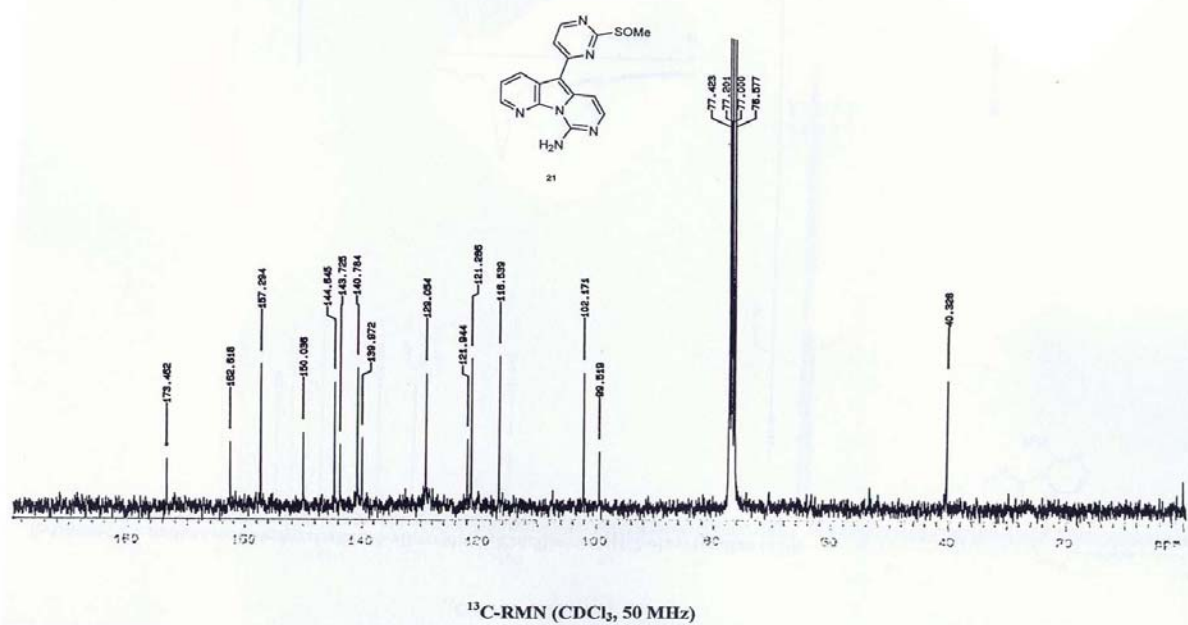




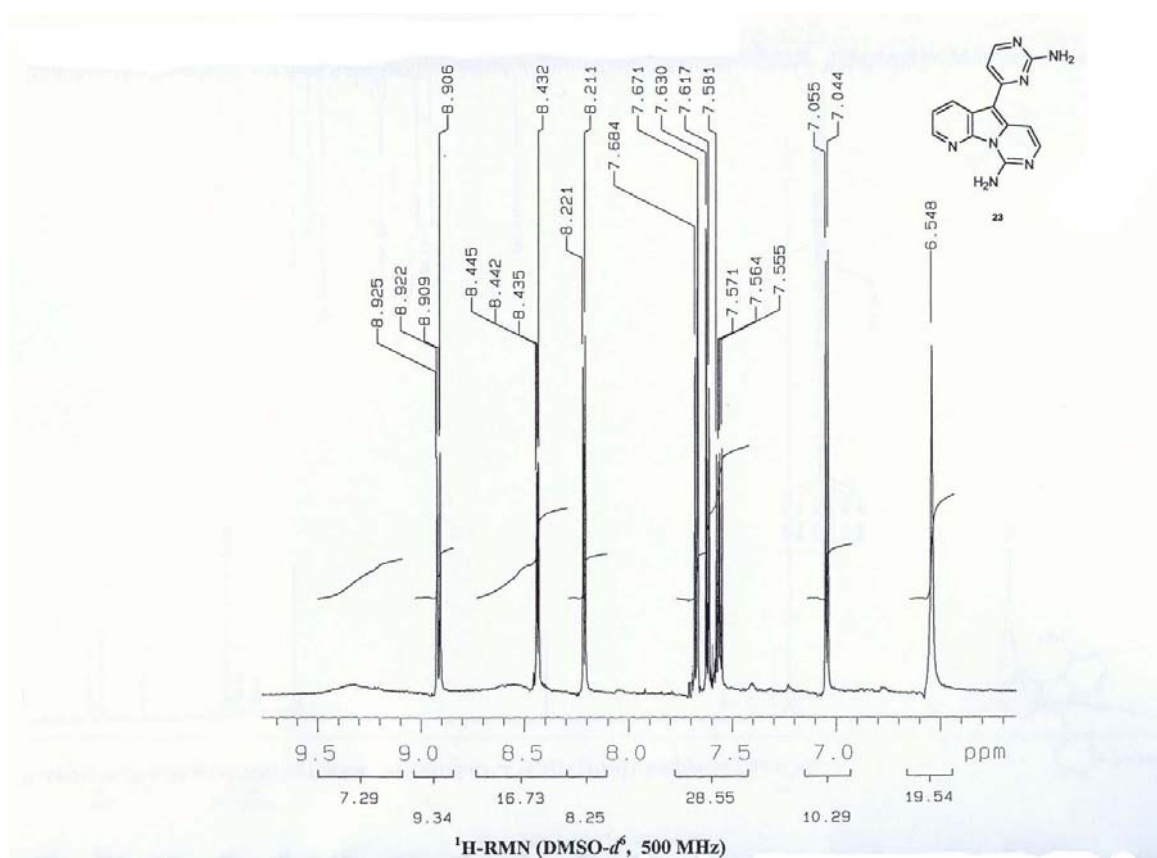
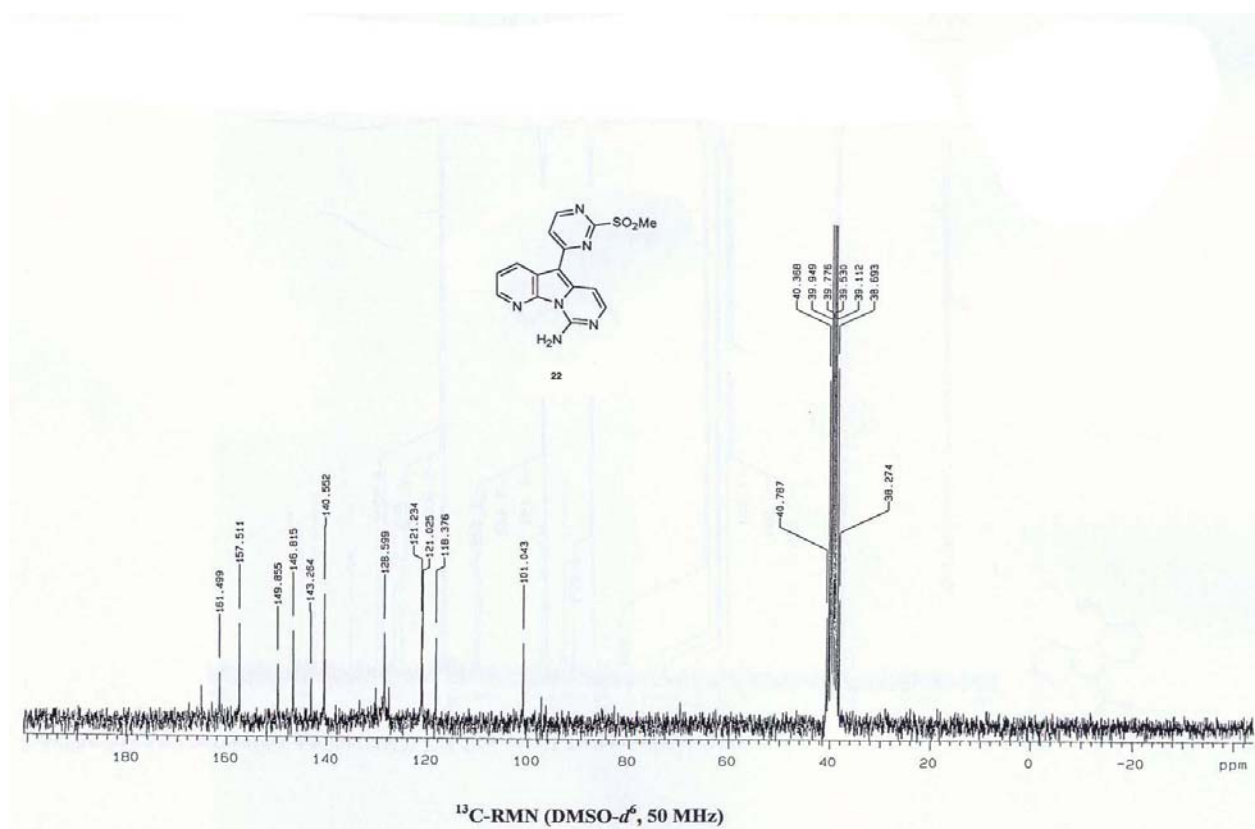




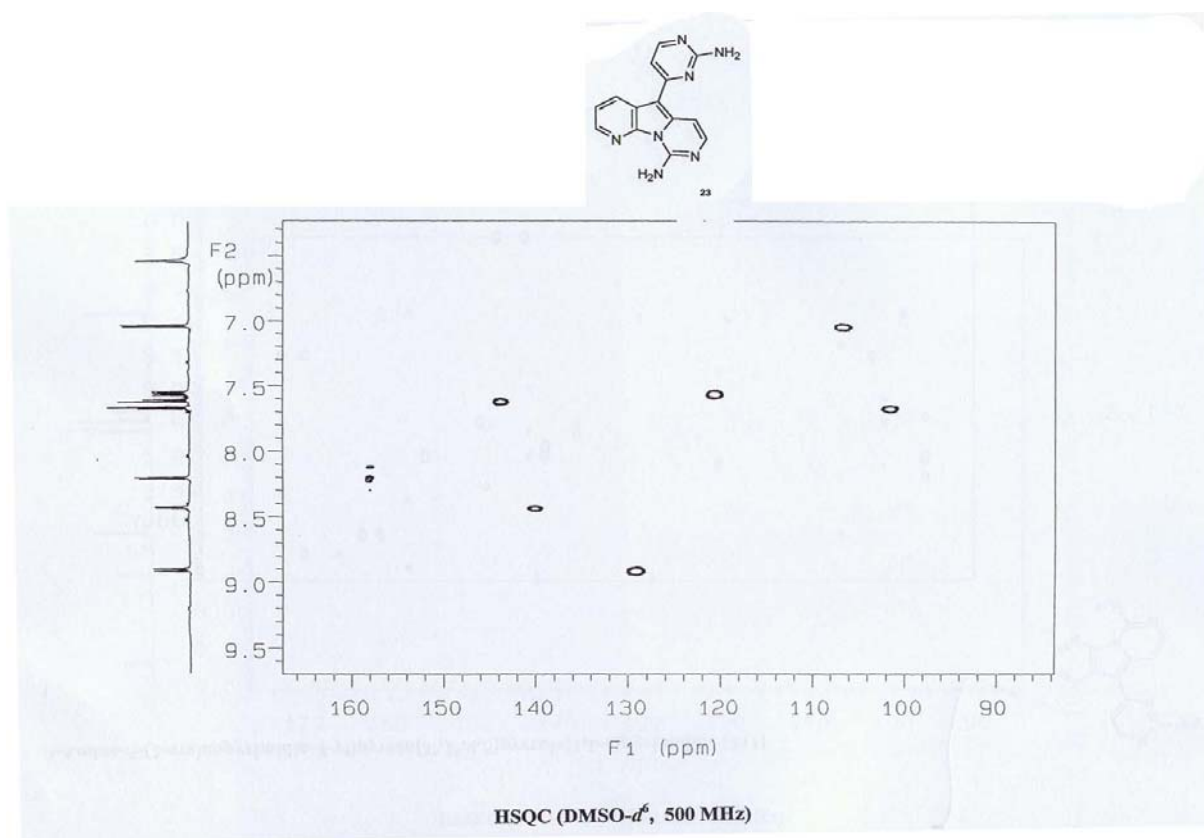
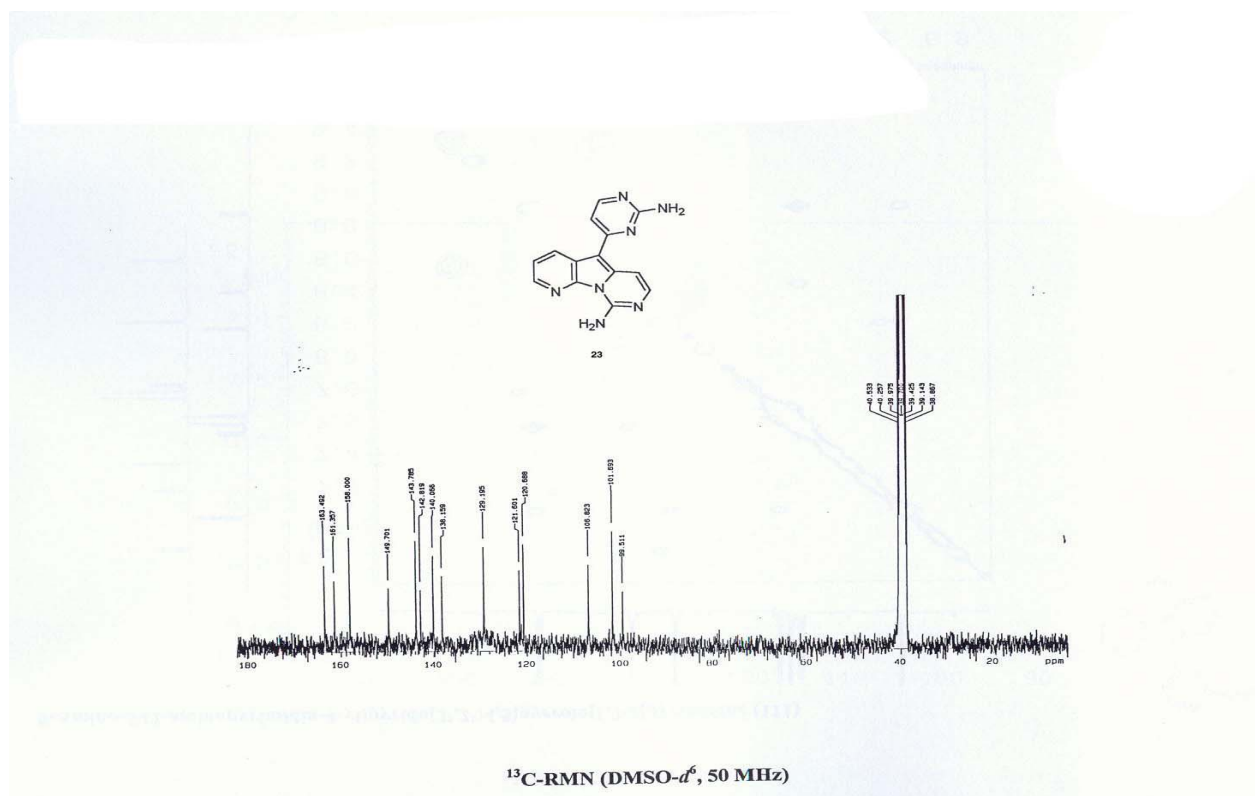


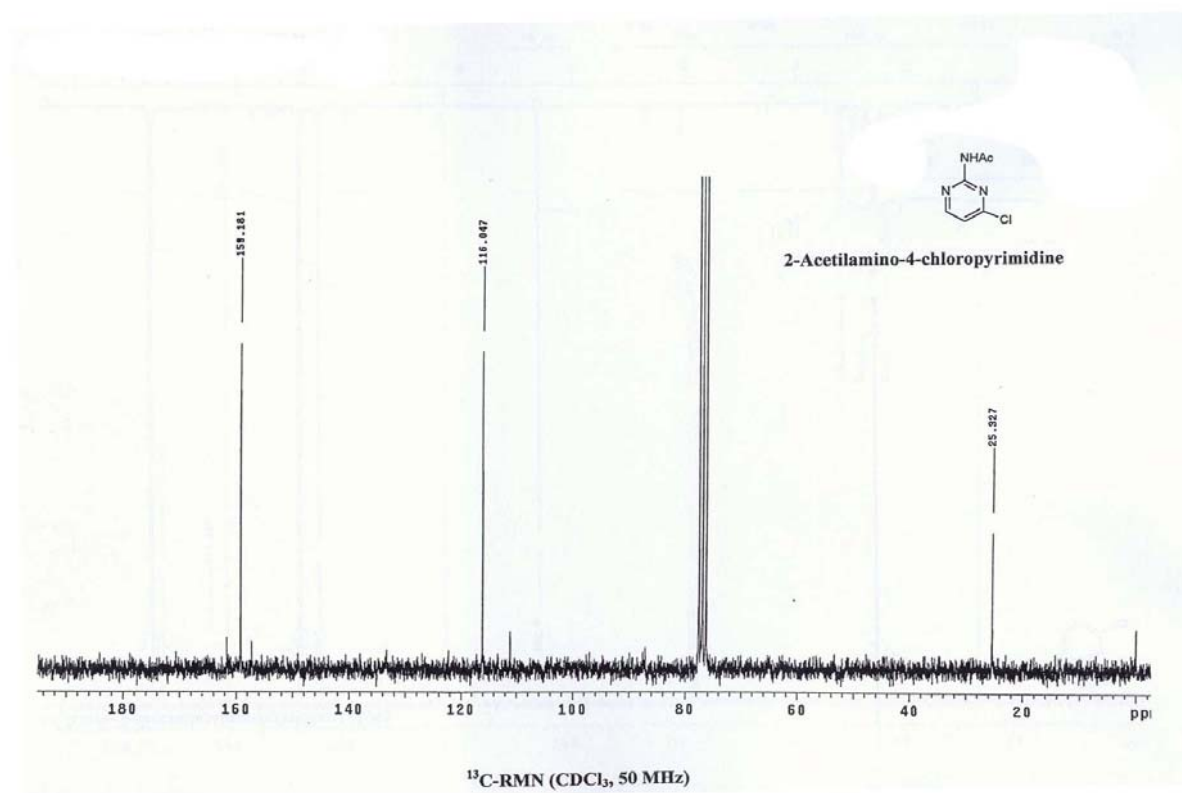
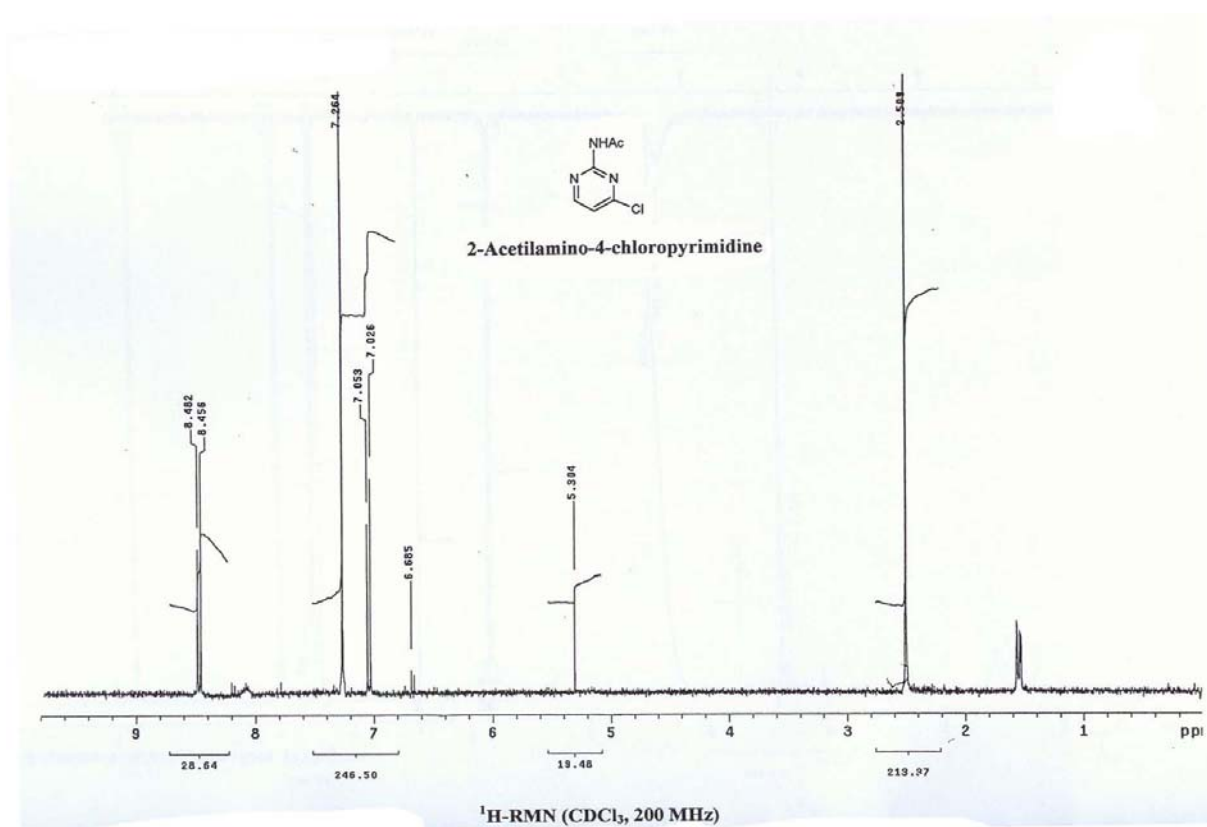


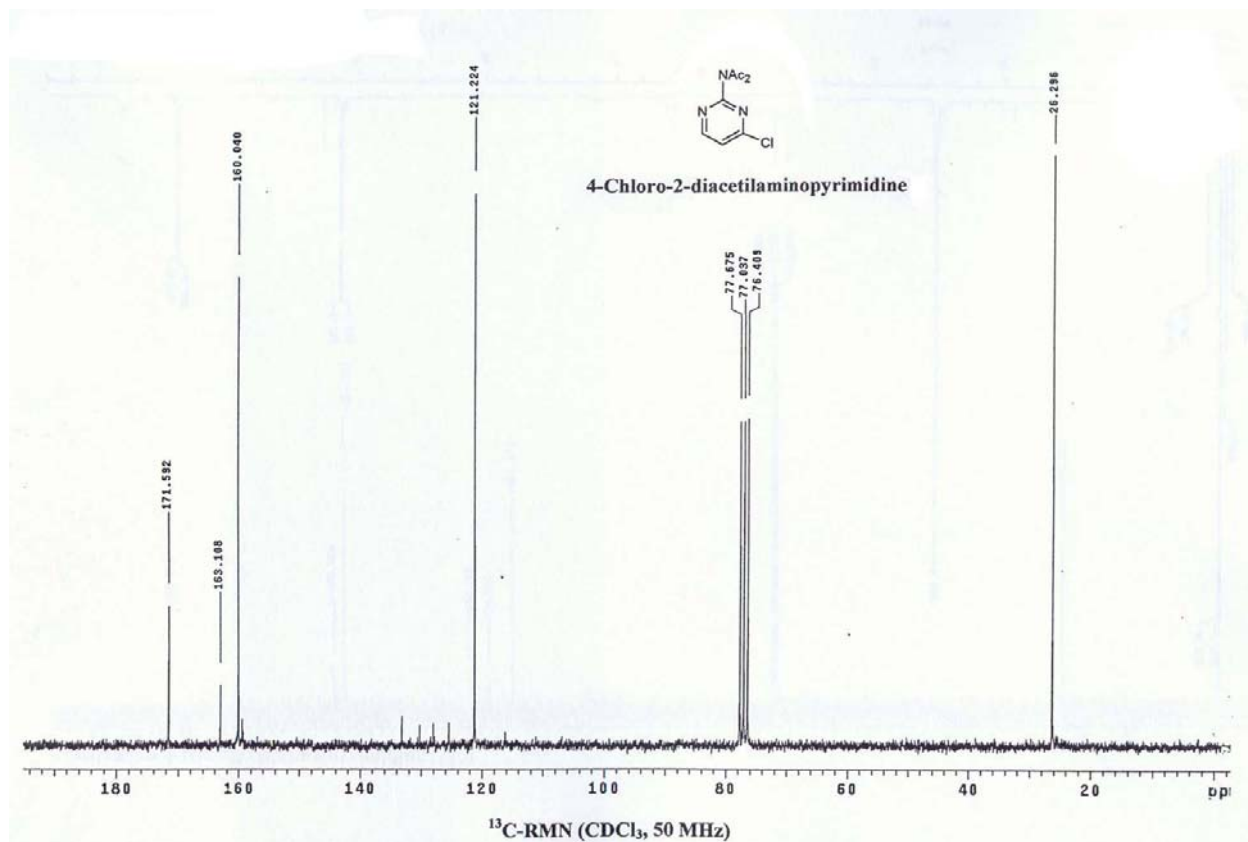
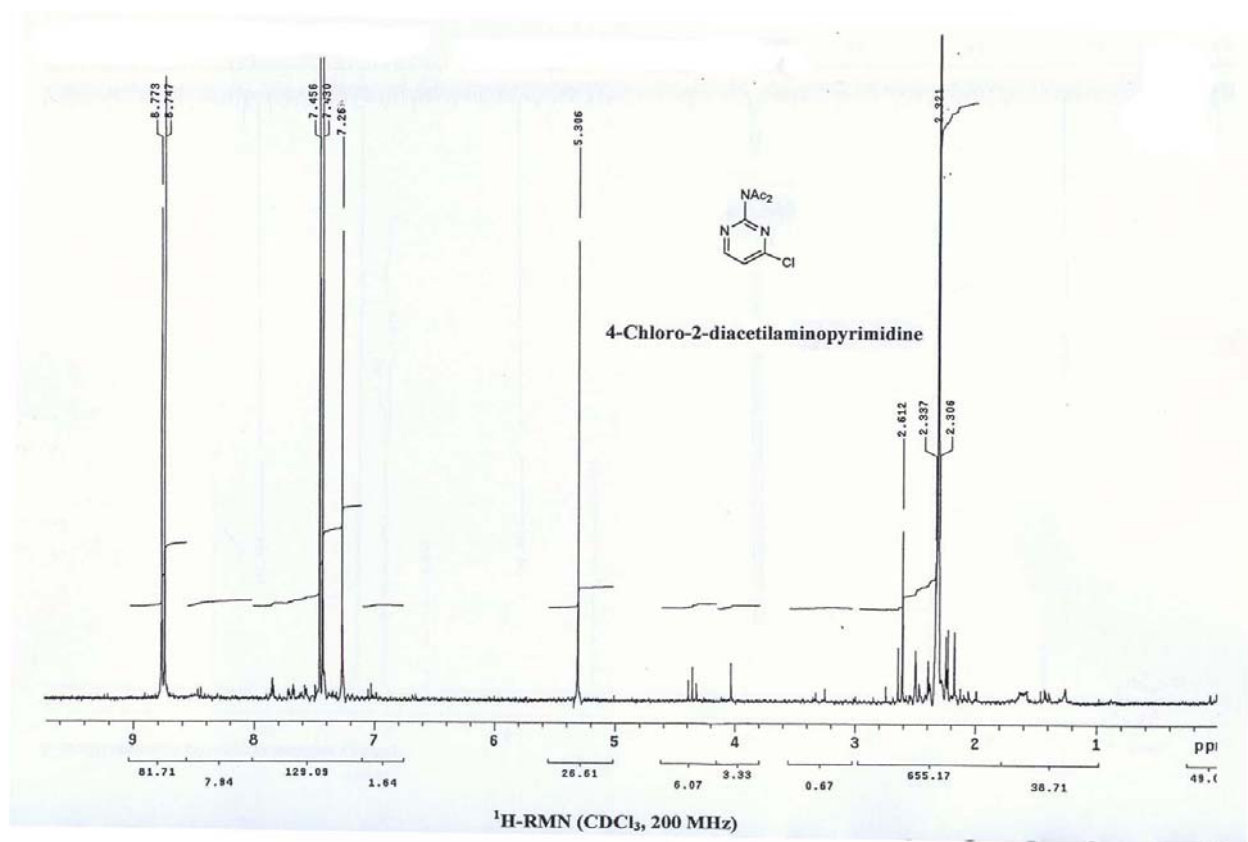


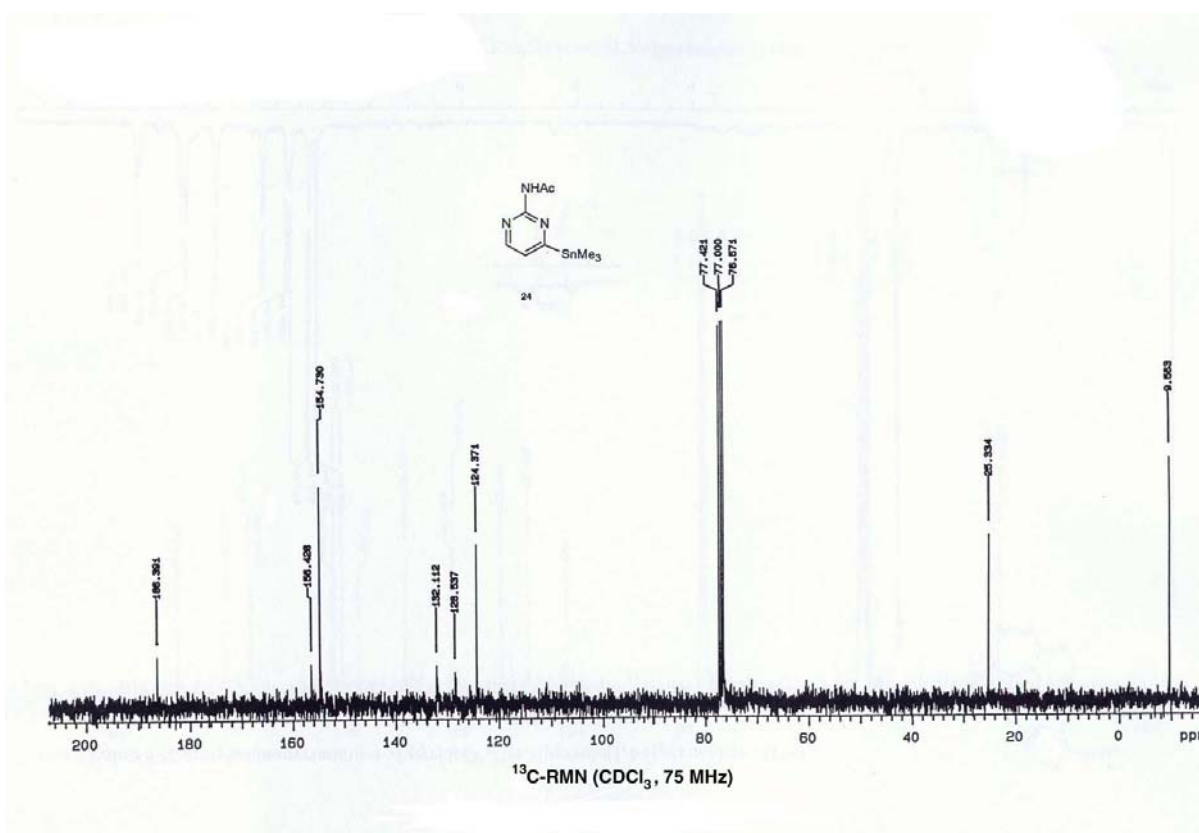
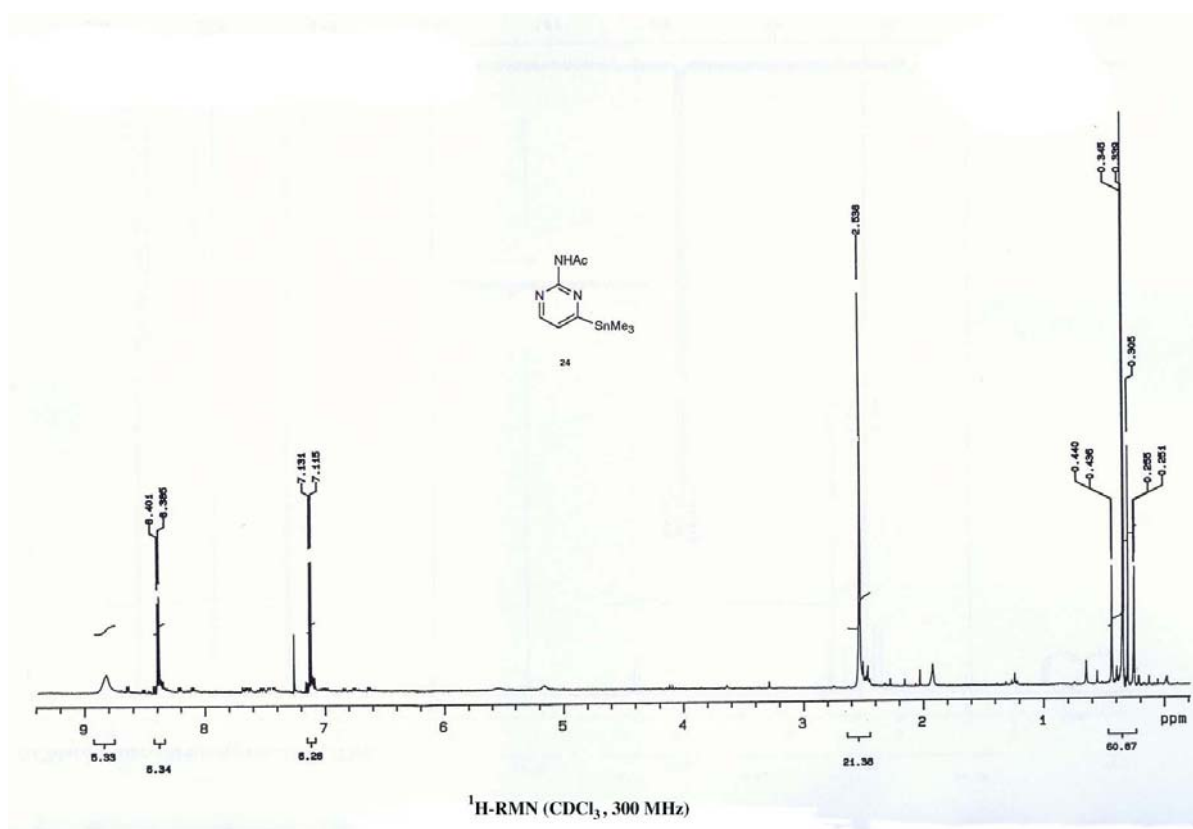


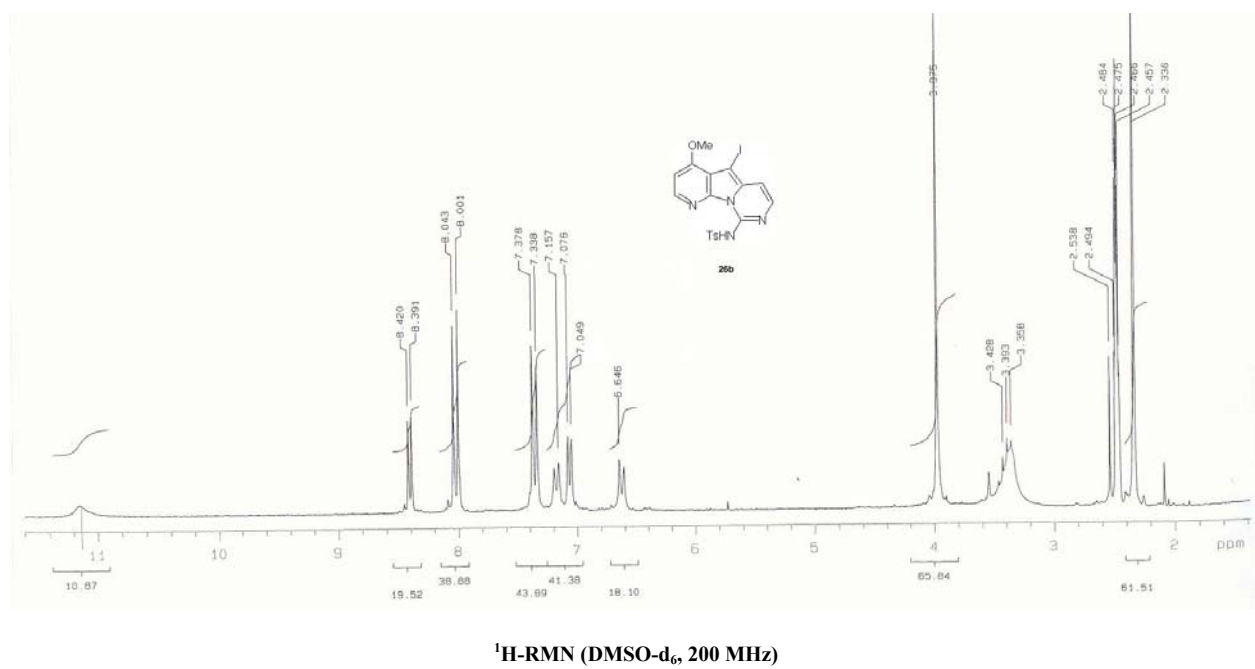
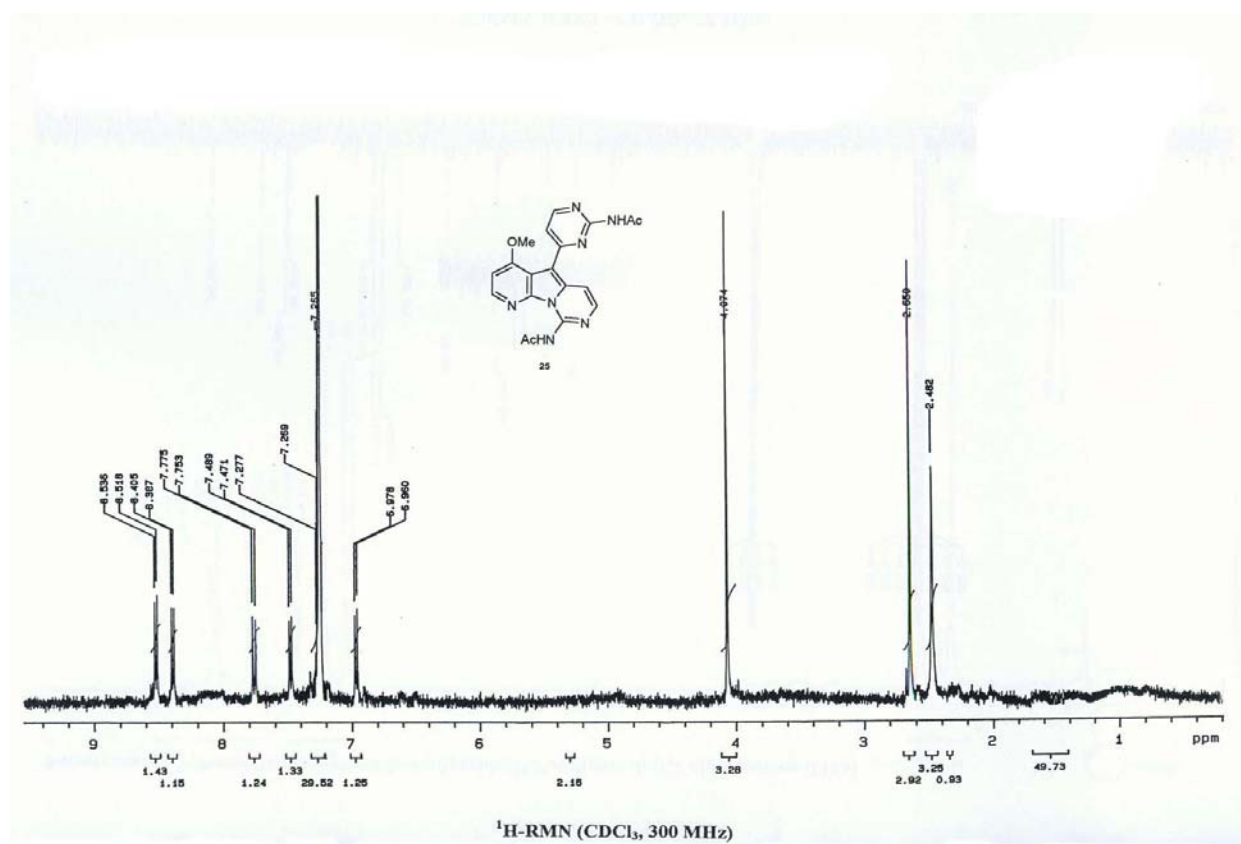


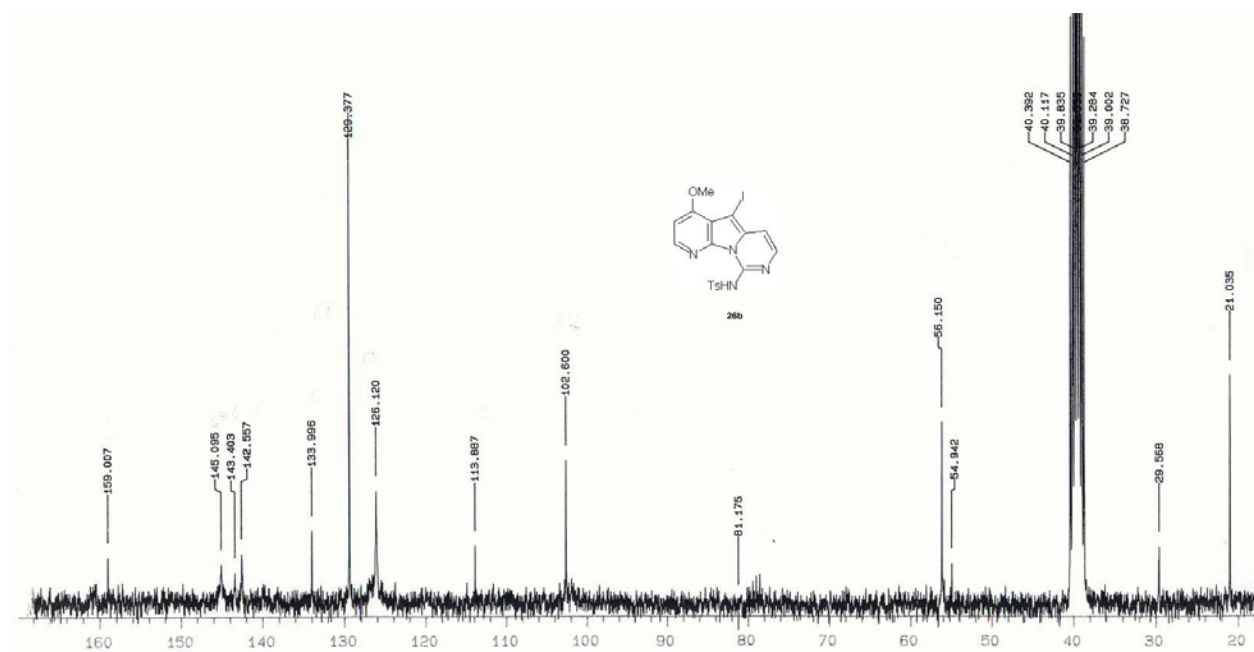




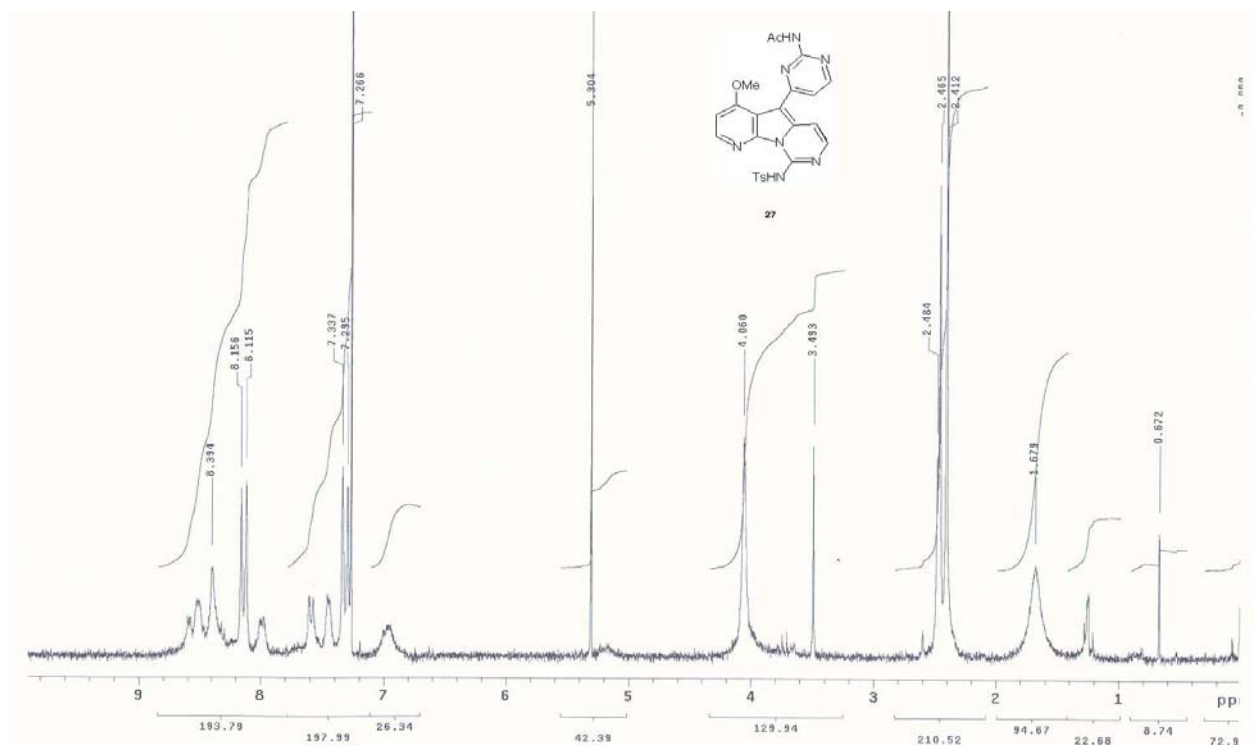




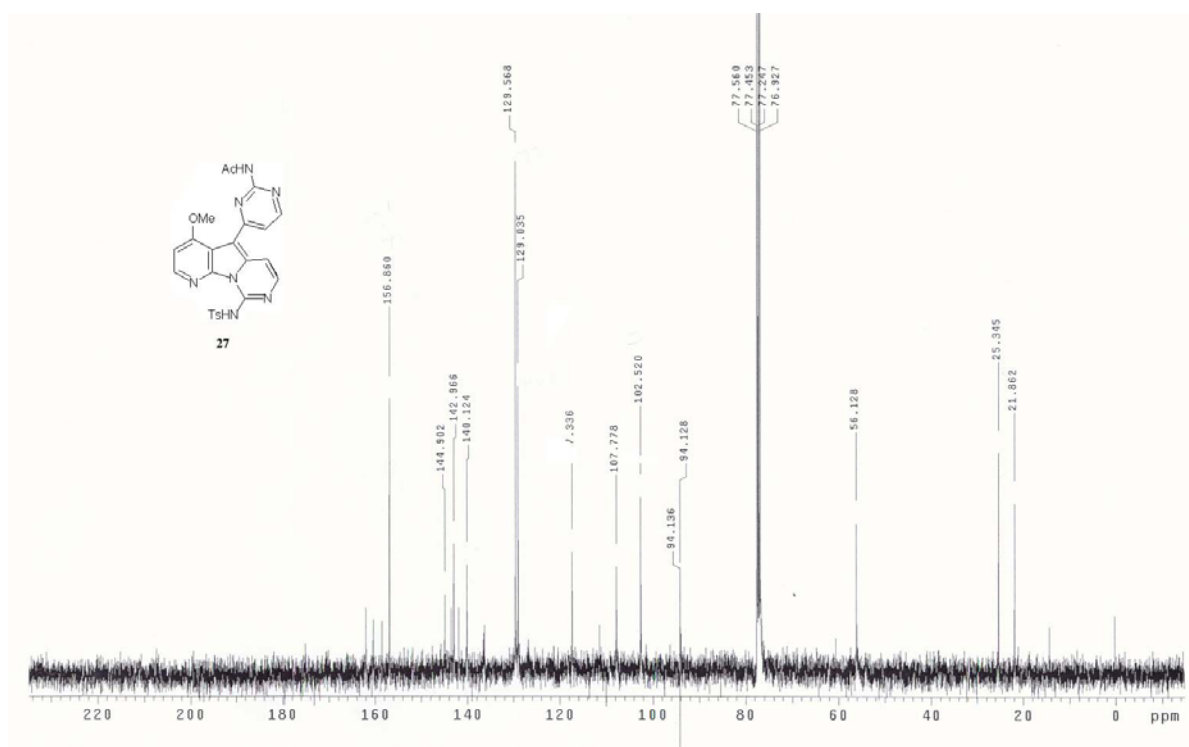




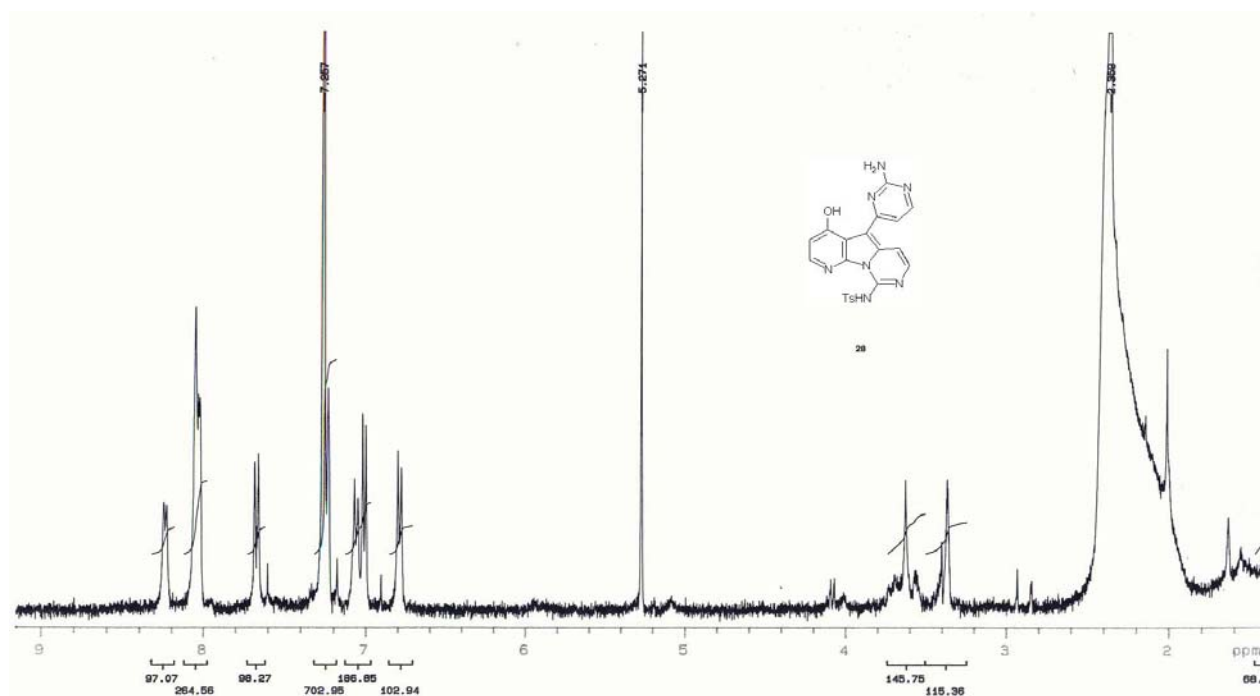
$^{13}\text{C}$ -RMN (DMSO- $d_6$ , 75 MHz)



$^1\text{H}$ -RMN ( $\text{CDCl}_3$ , 400 MHz)

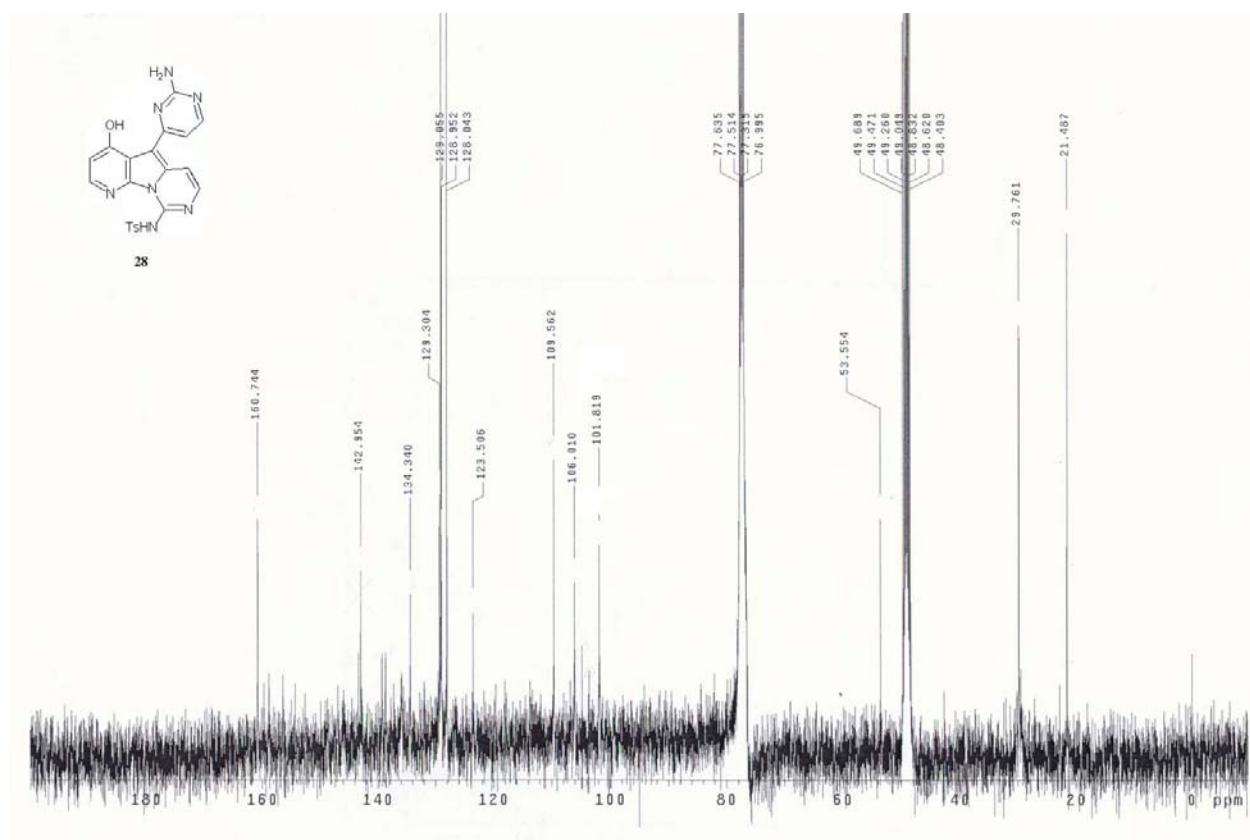


**<sup>13</sup>C-RMN (CDCl<sub>3</sub>, 100 MHz)**



**<sup>1</sup>H-RMN (CDCl<sub>3</sub>-CD<sub>3</sub>OD, 400 MHz)**





<sup>13</sup>C-RMN (CDCl<sub>3</sub>-CD<sub>3</sub>OD, 100 MHz)