

## Synthesis and *in vitro* evaluation of piperazinyl-ureido sulfamates as steroid sulfatase inhibitors

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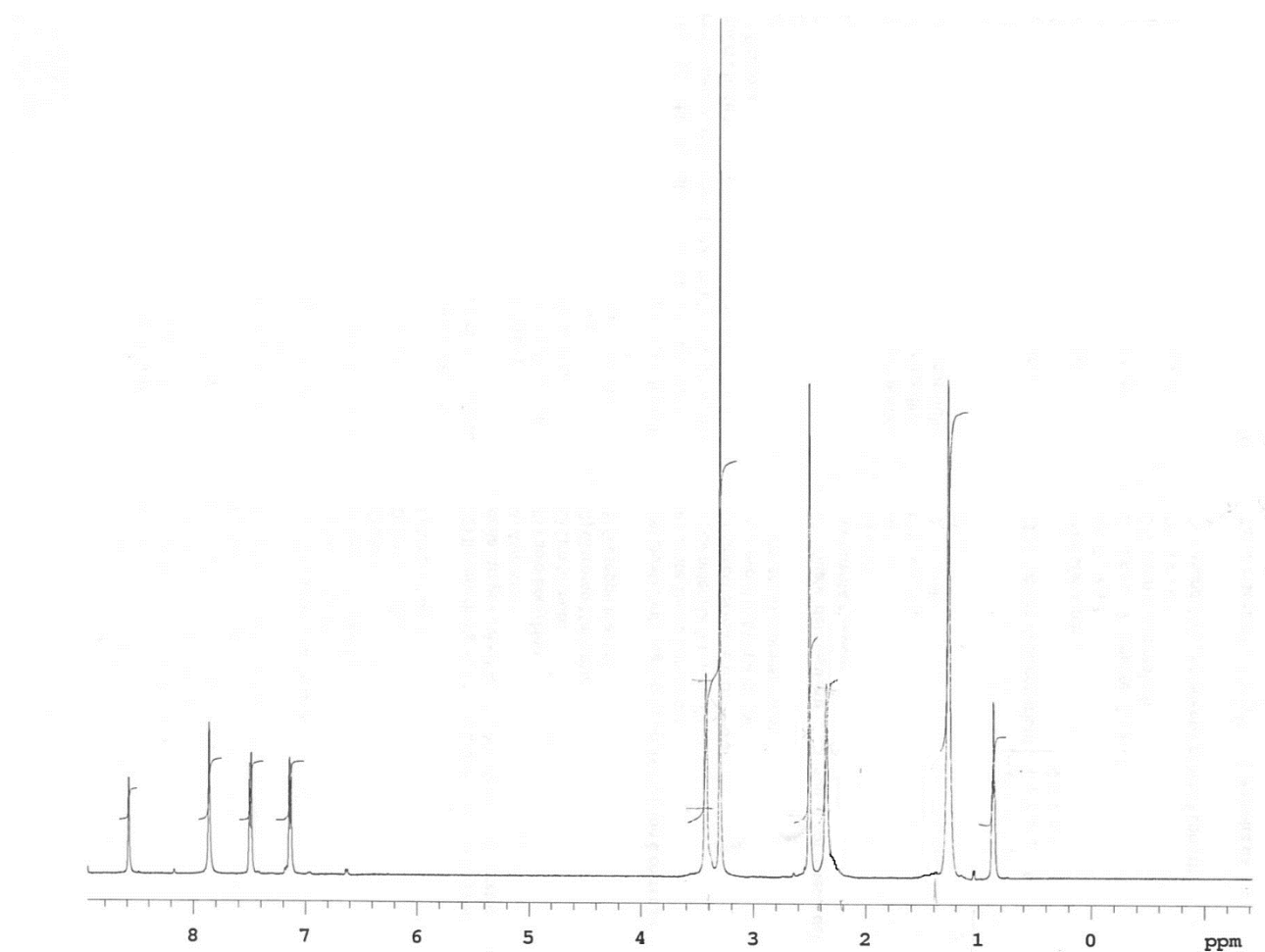
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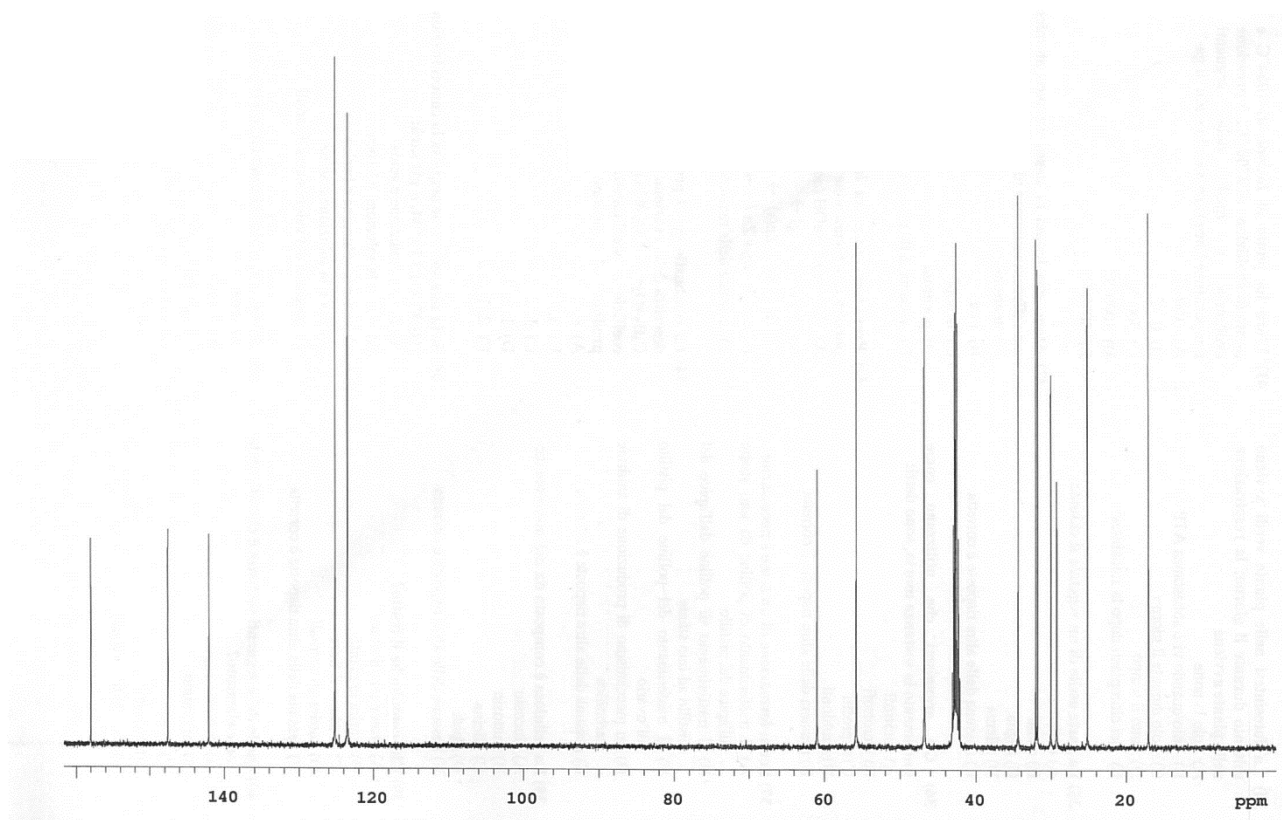
<sup>c</sup>Centre for Endocrinology, Diabetes and Metabolism, Birmingham Health Partners, Birmingham, B15 2TH, UK

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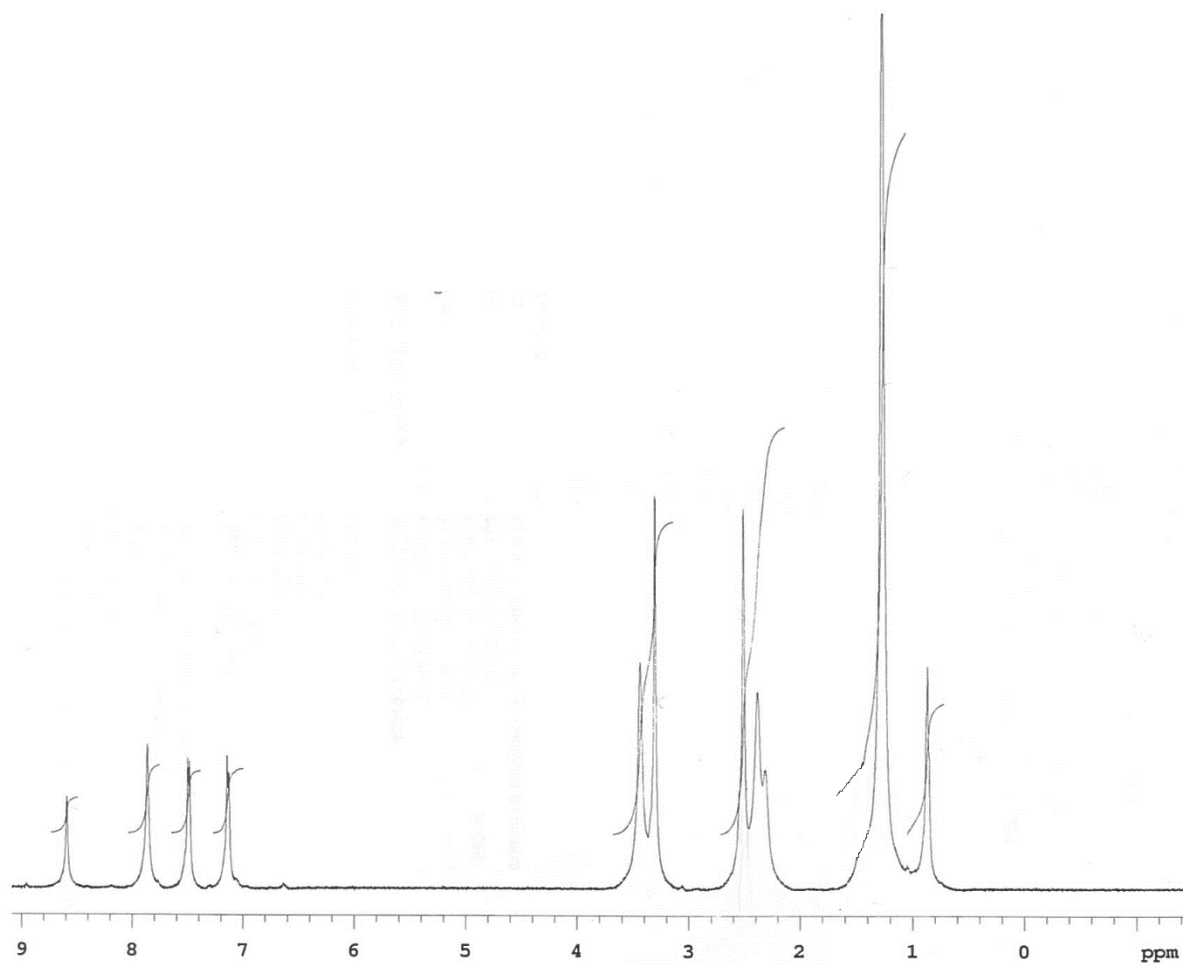
Compound **17** <sup>1</sup>H NMR



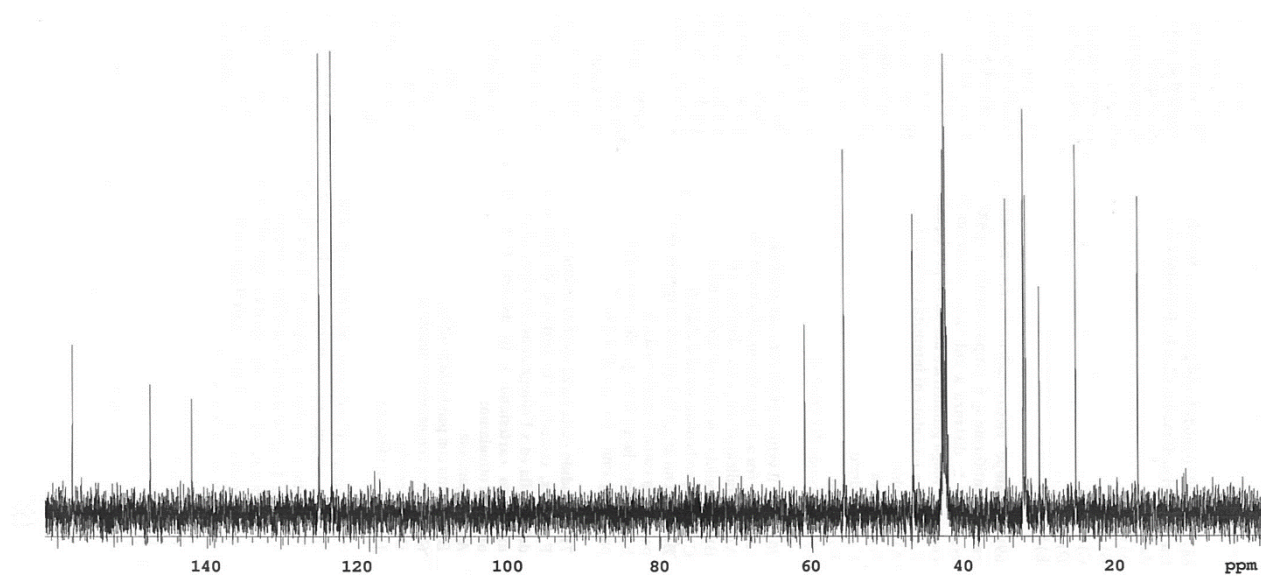
Compound **17**  $^{13}\text{C}$  NMR



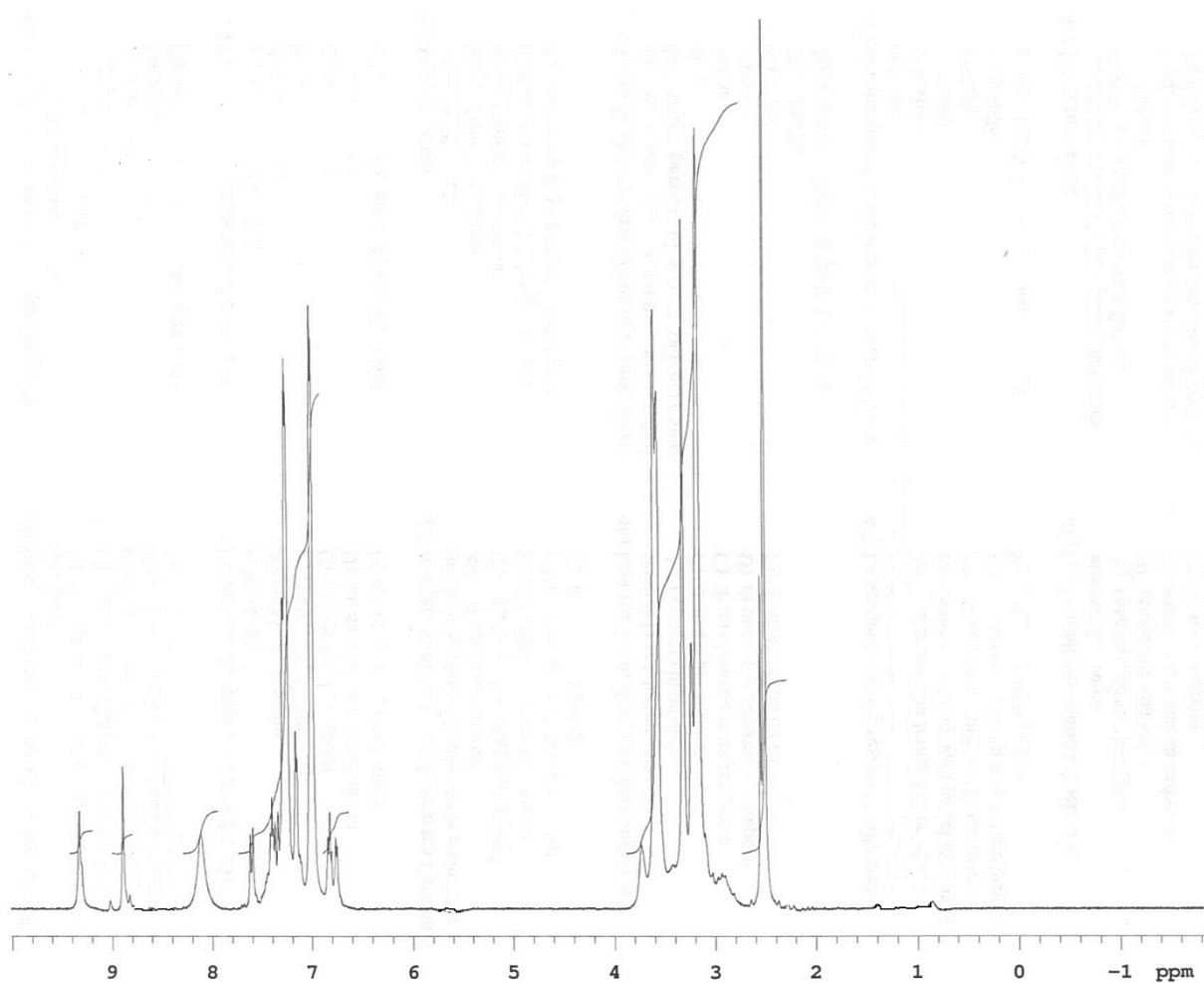
Compound **18**  $^1\text{H}$  NMR



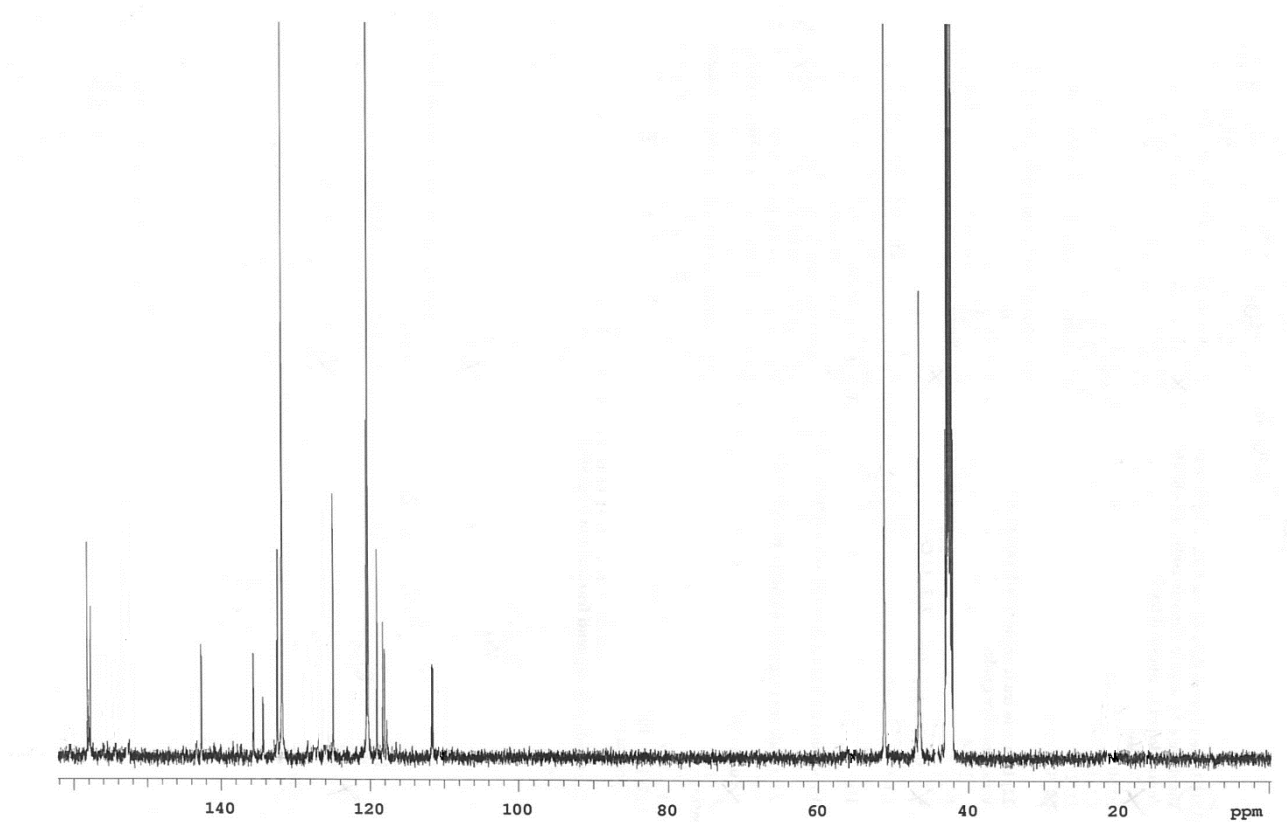
Compound **18**  $^{13}\text{C}$  NMR



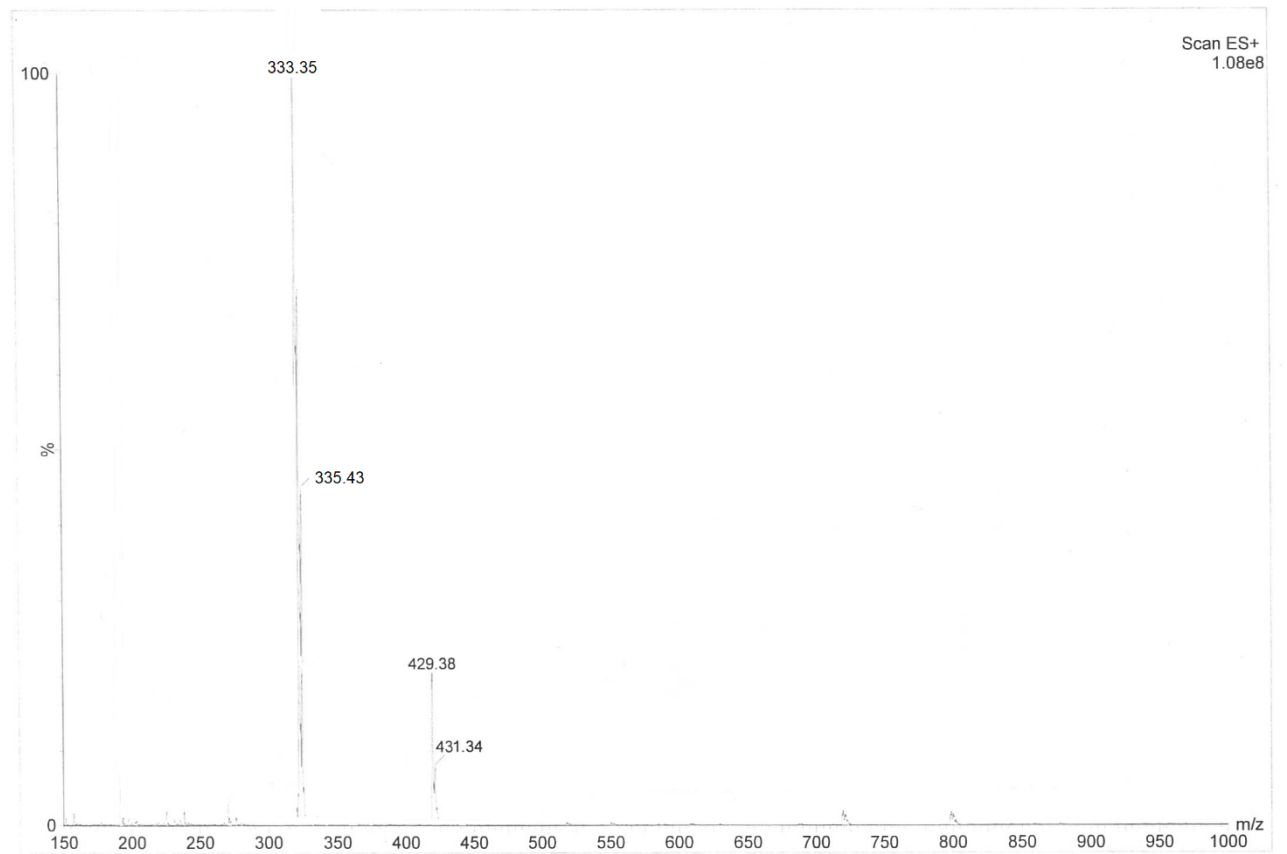
Compound **19**  $^1\text{H}$  NMR



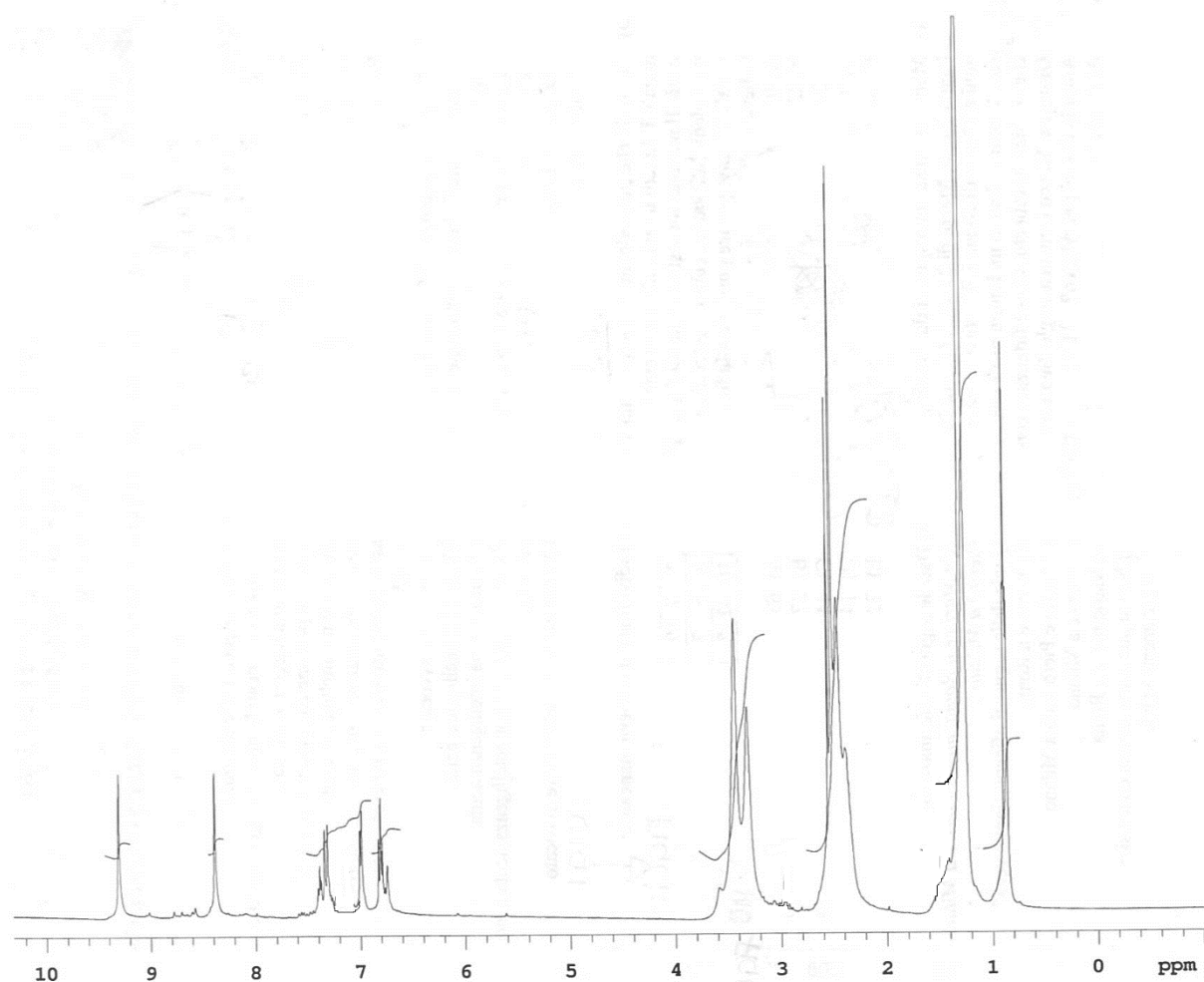
Compound **19**  $^{13}\text{C}$  NMR



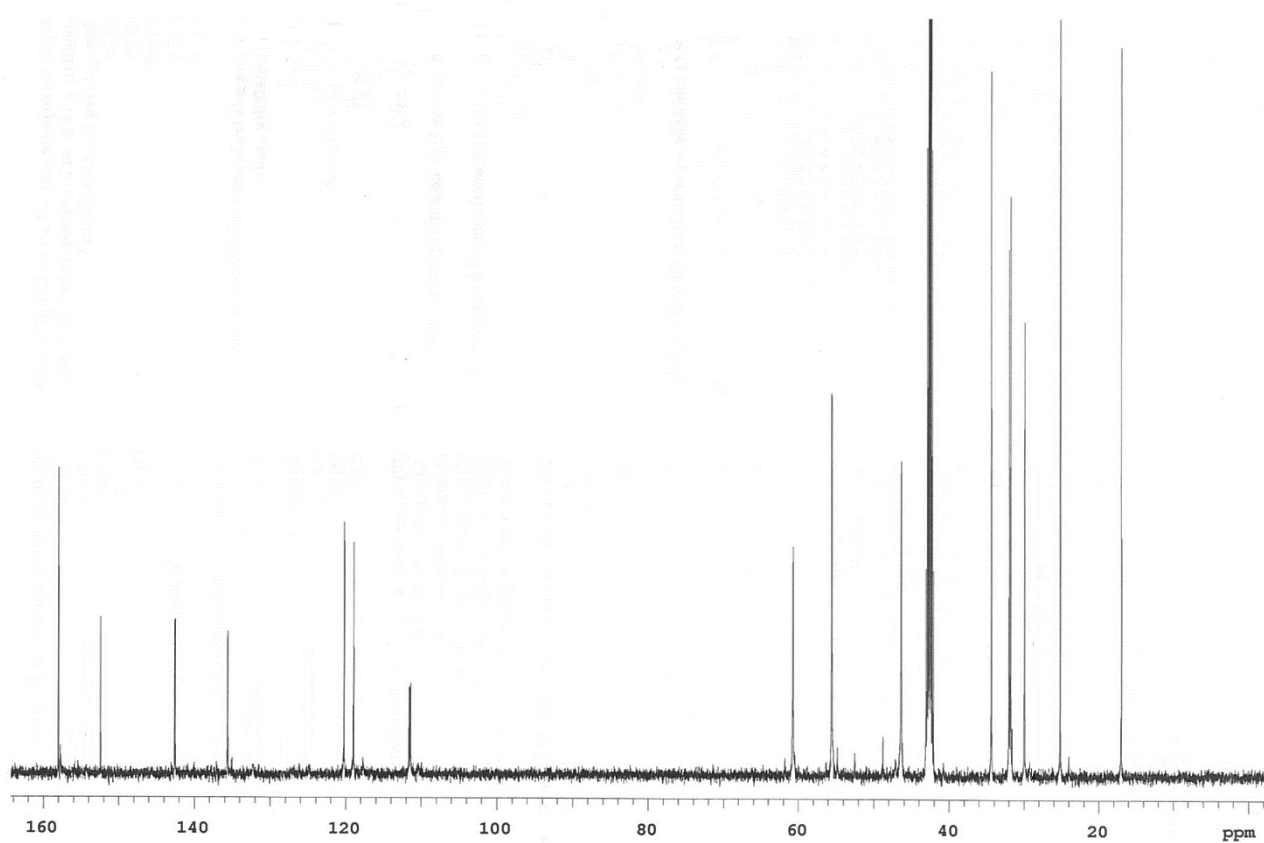
Compound **19** MS



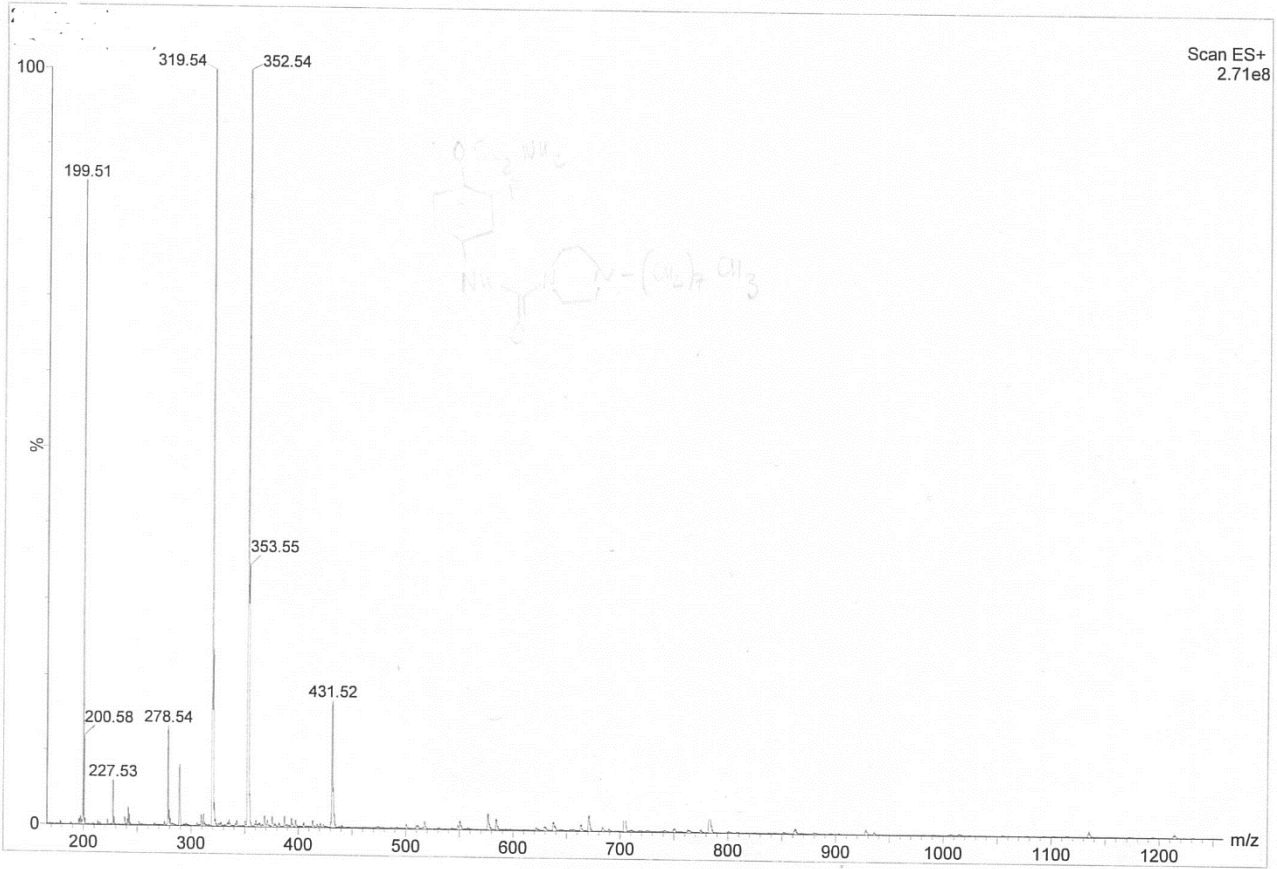
Compound **20**  $^1\text{H}$  NMR



Compound **20**  $^{13}\text{C}$  NMR

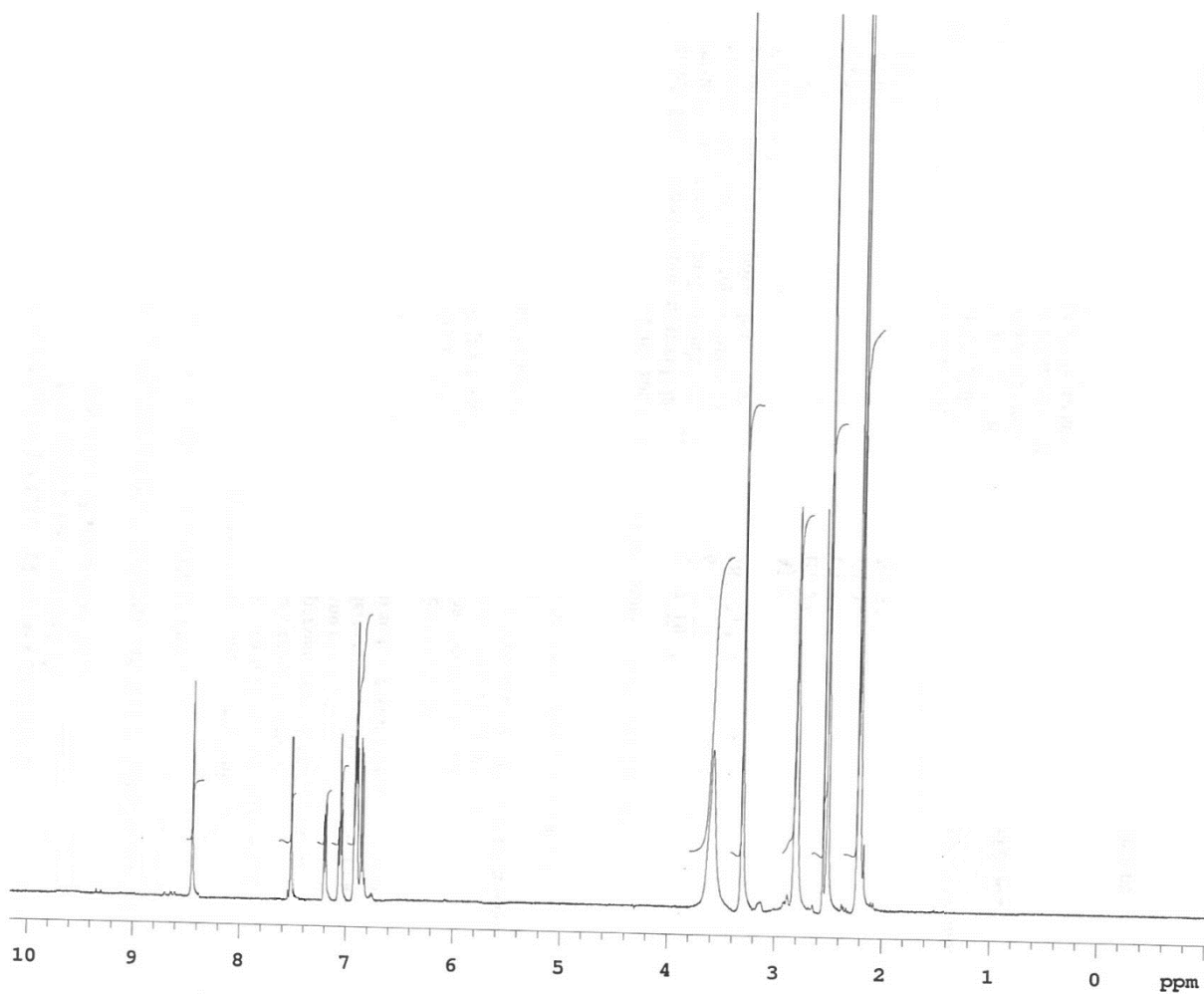


Compound 20 MS

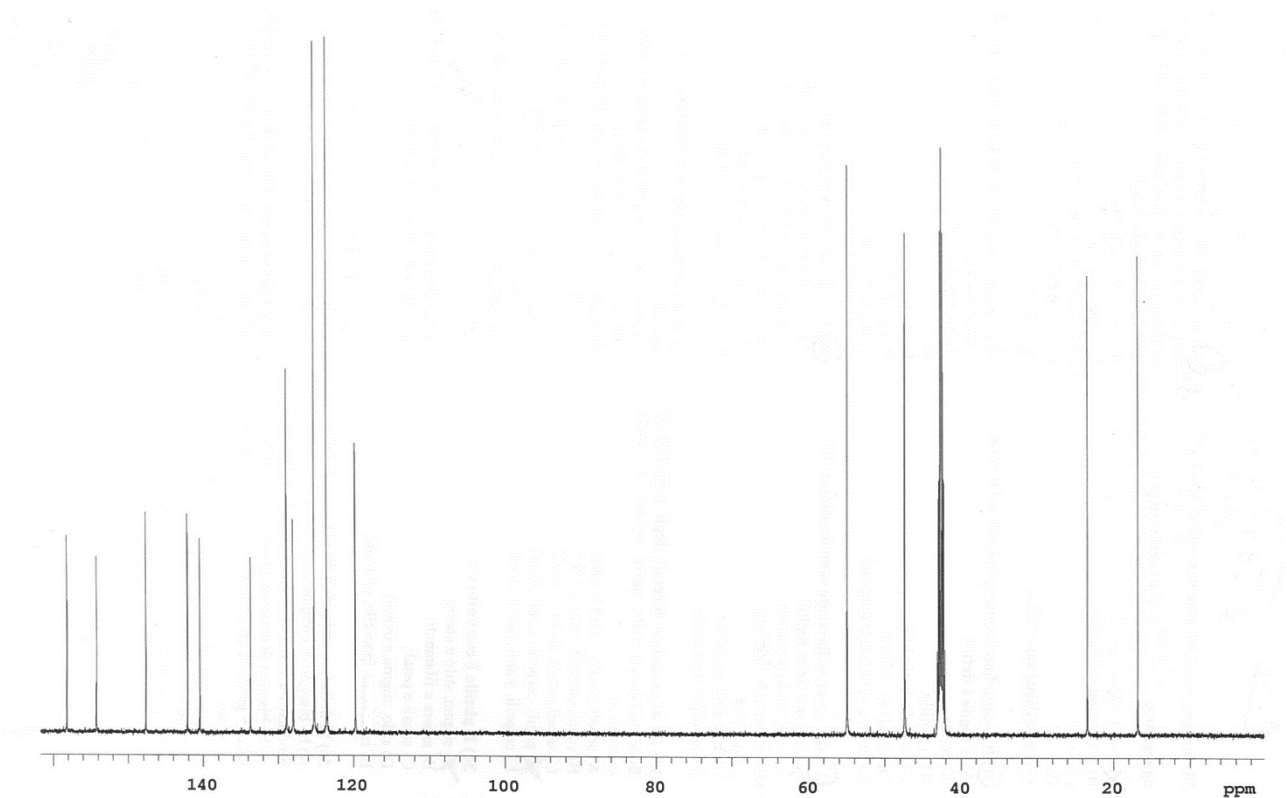




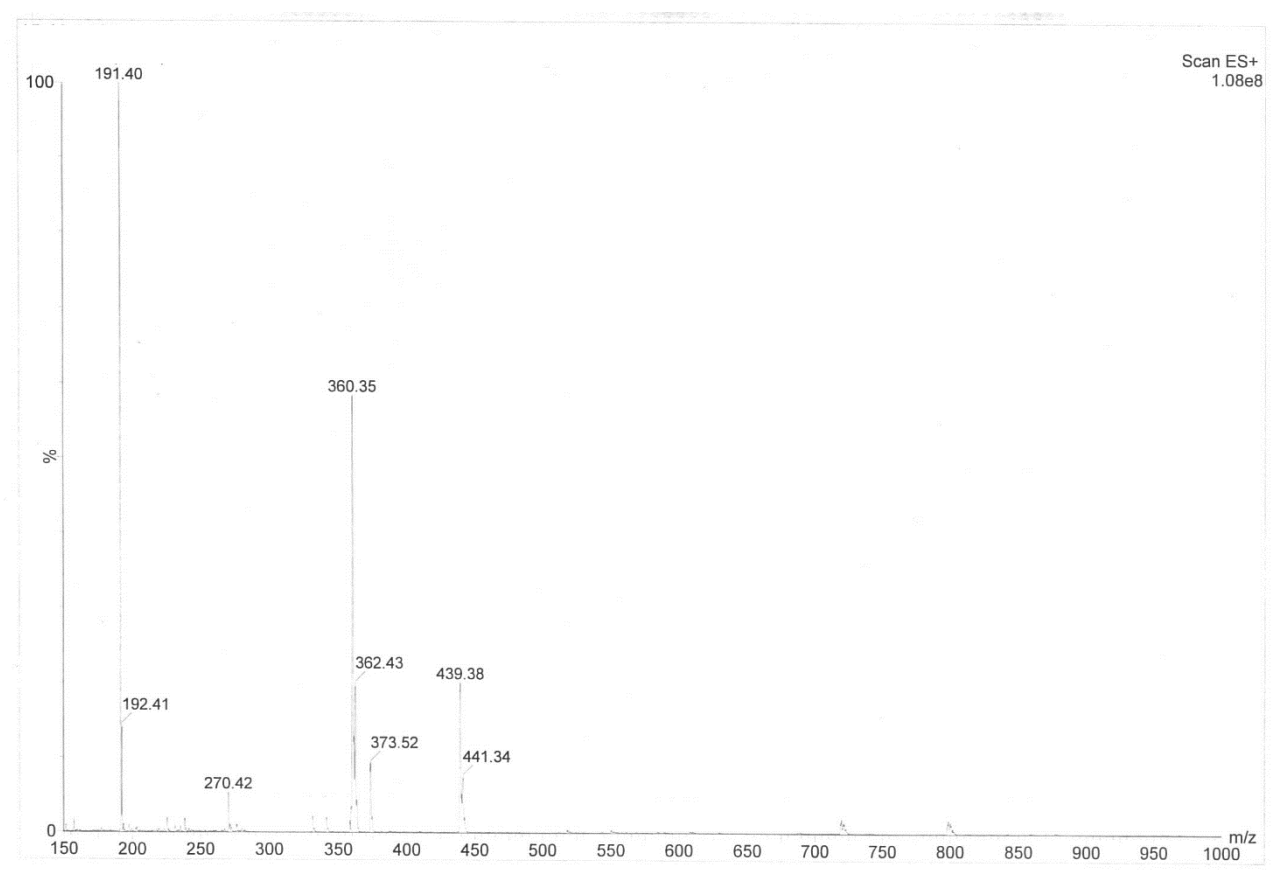
Compound **23**  $^1\text{H}$  NMR



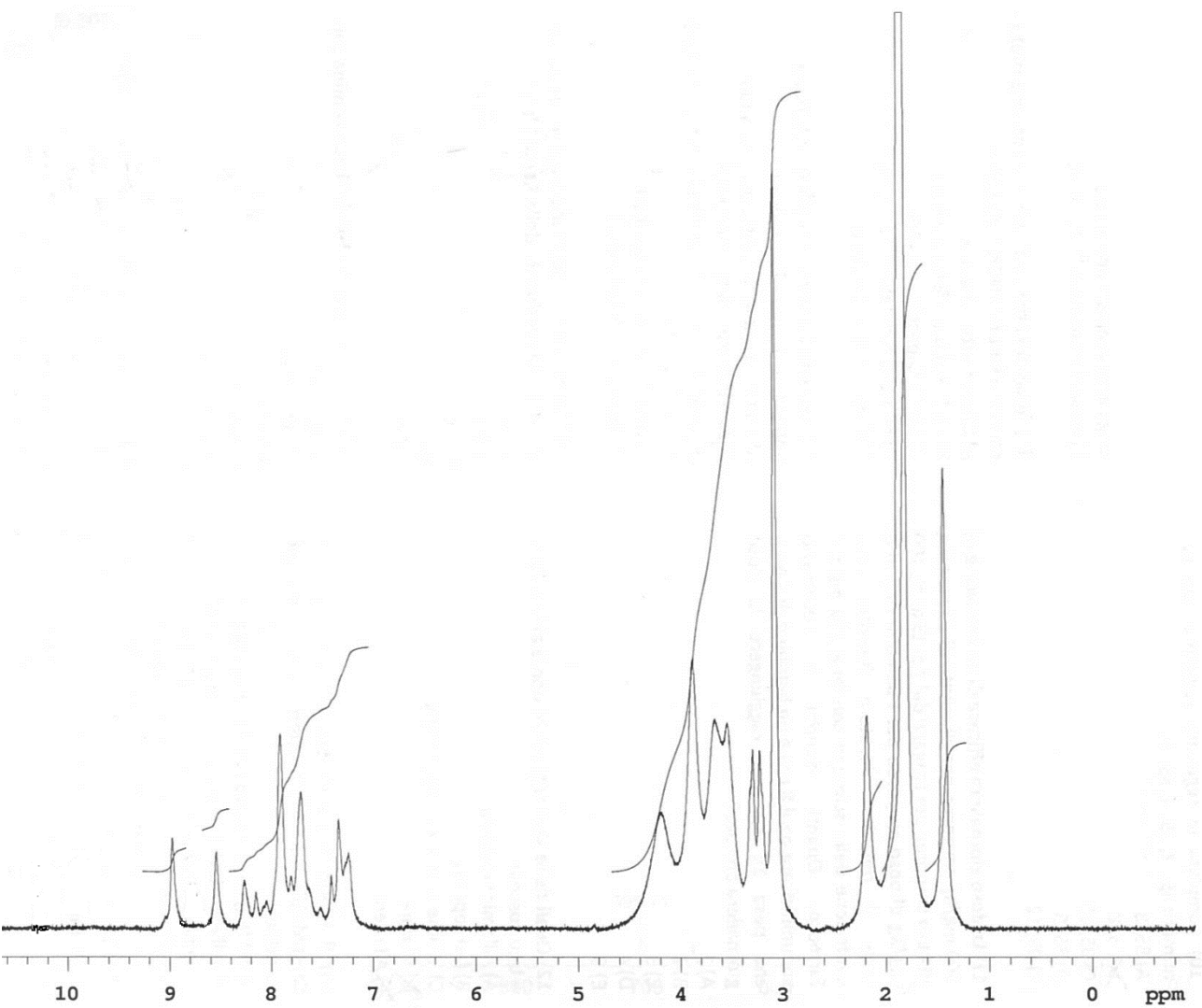
Compound **23** <sup>13</sup>C NMR



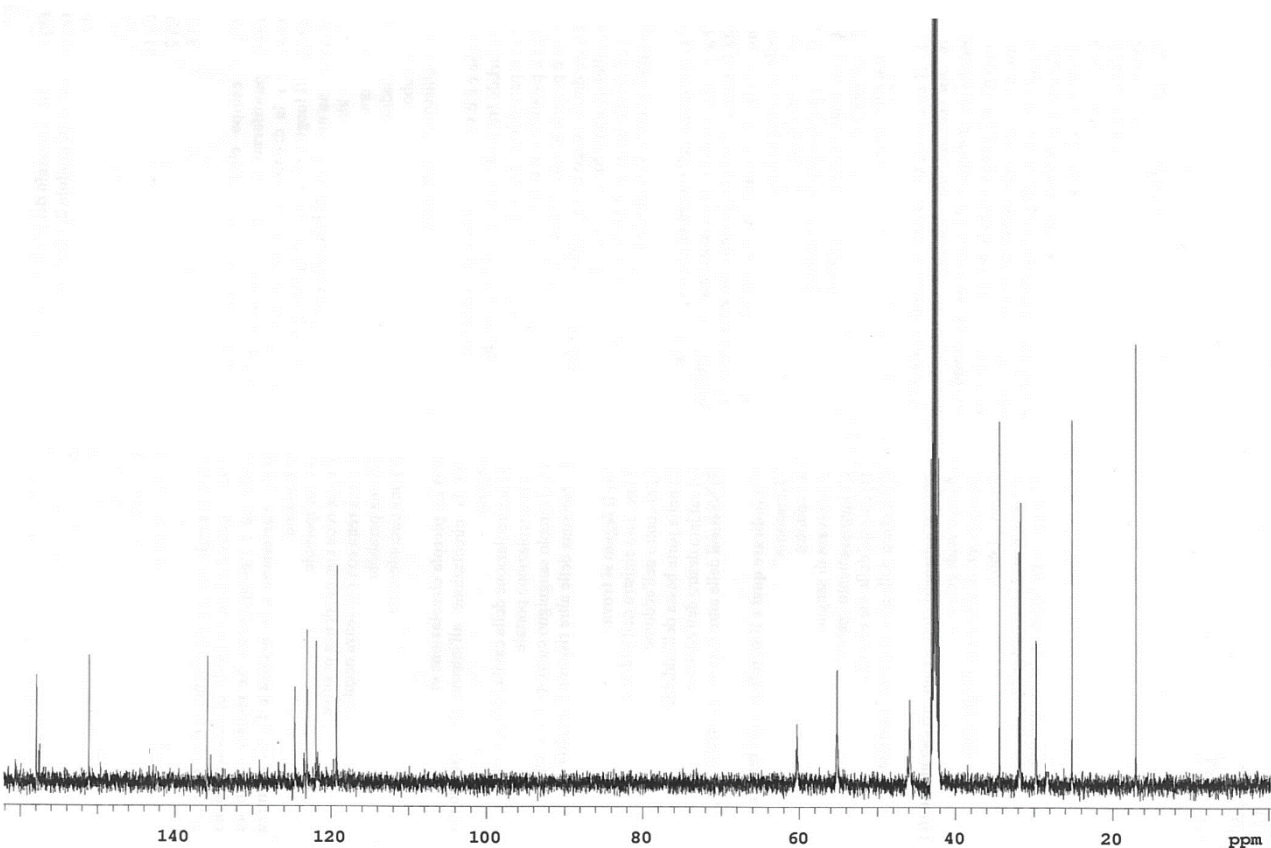
Compound **23** MS



Compound **30**  $^1\text{H}$  NMR



Compound 30 <sup>13</sup>C NMR



Compound 30 MS

