

Supporting Information

Bio-based triacetic acid lactone in the synthesis of azaheterocycles via a ring-opening transformation

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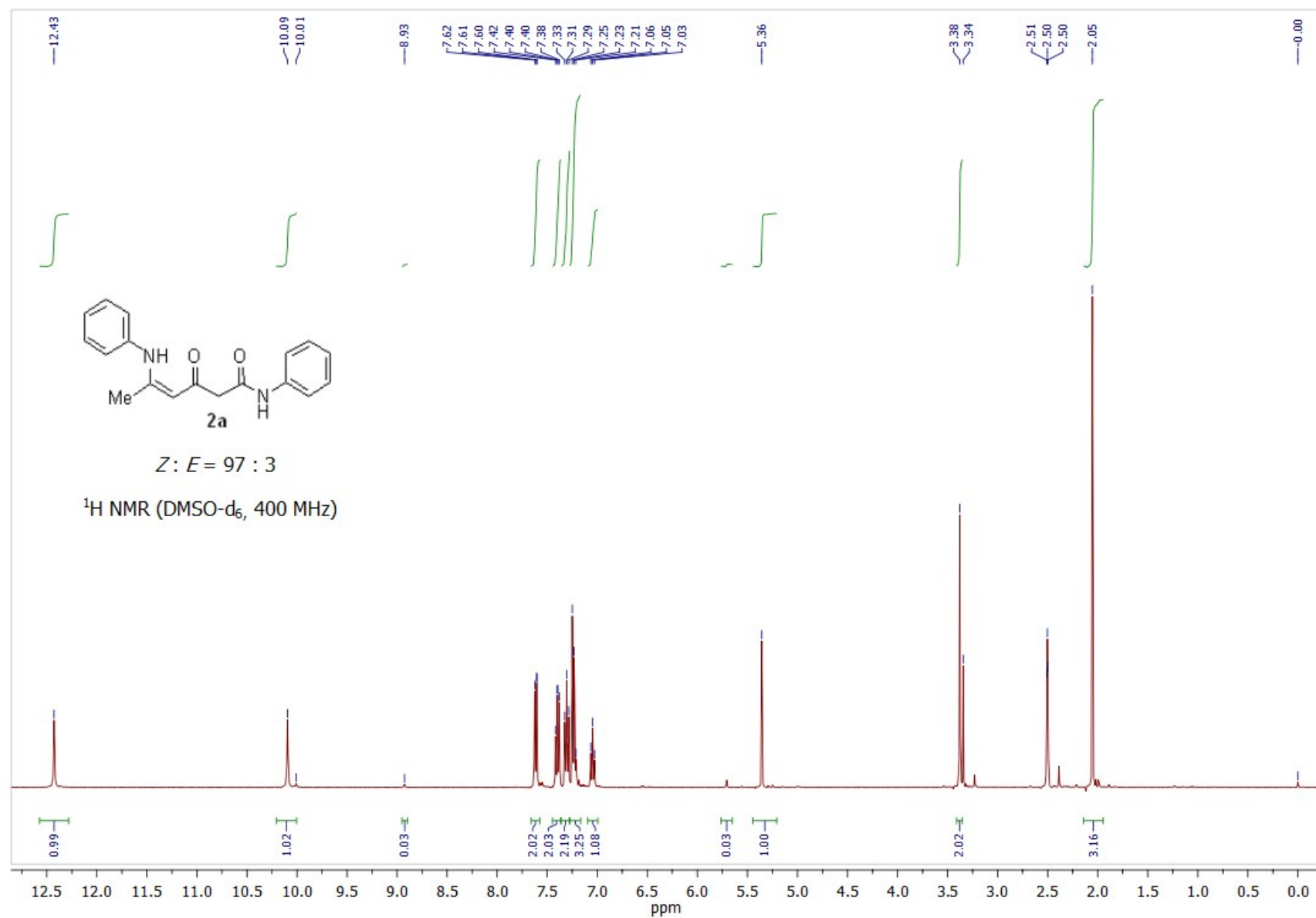
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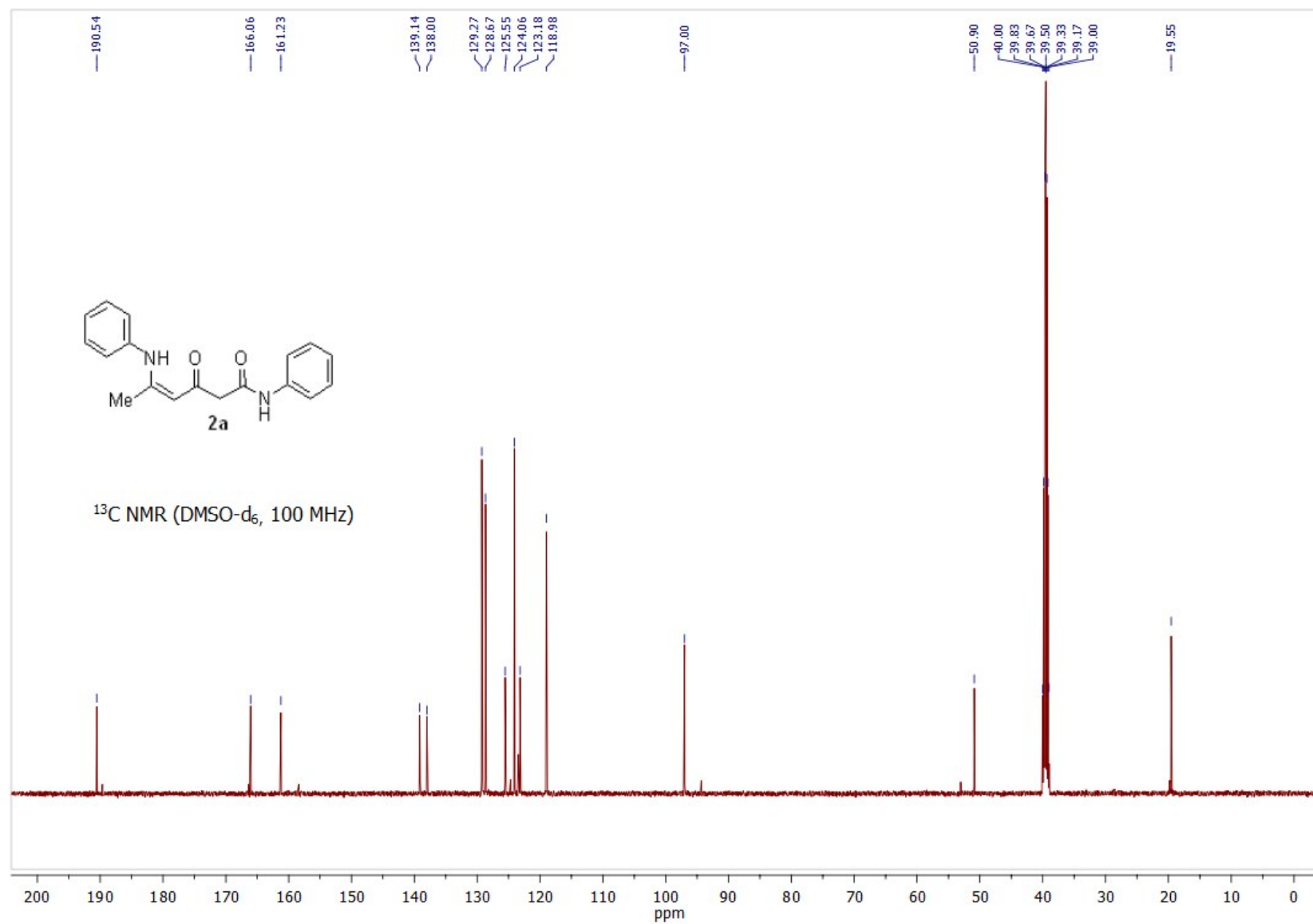
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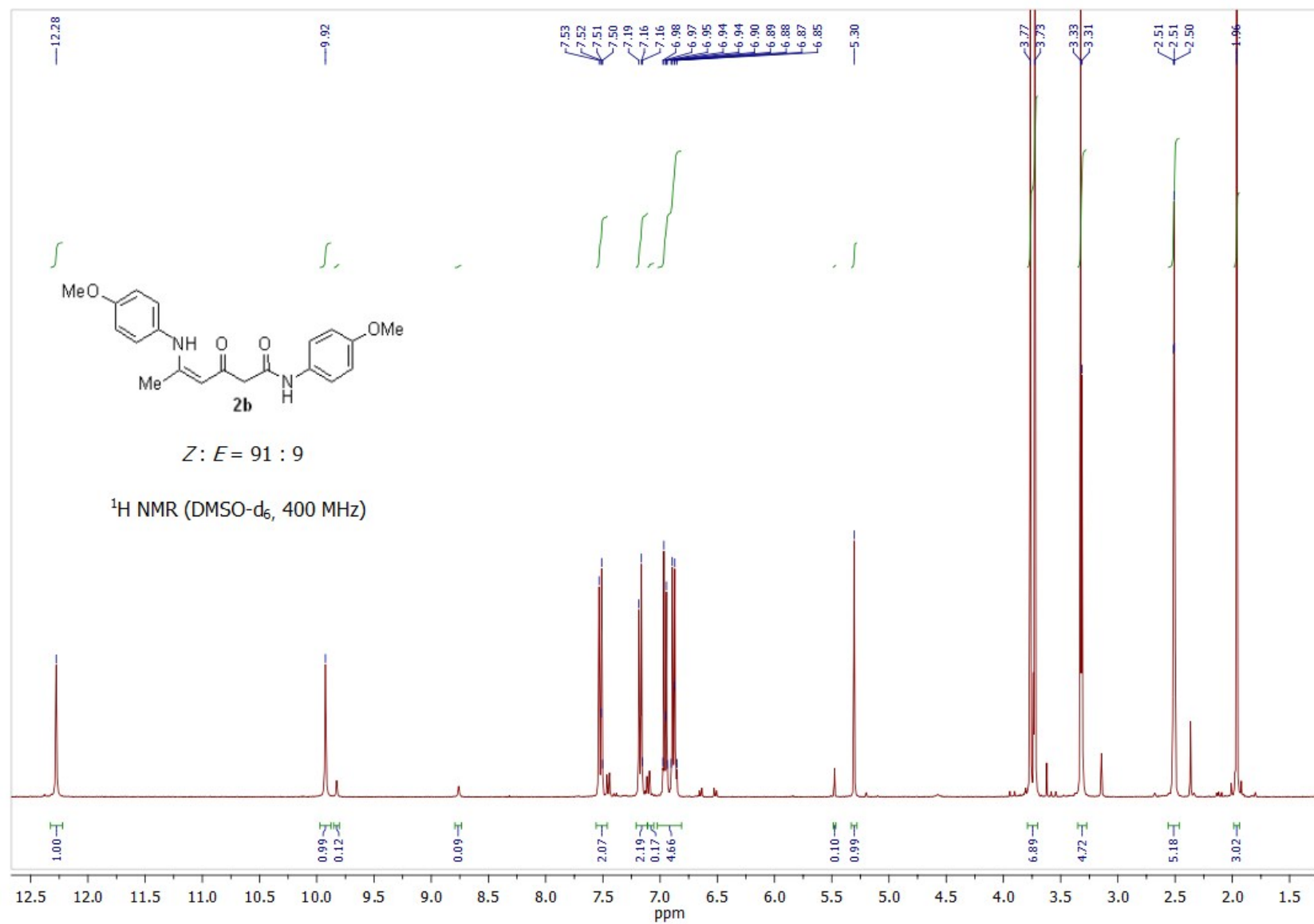
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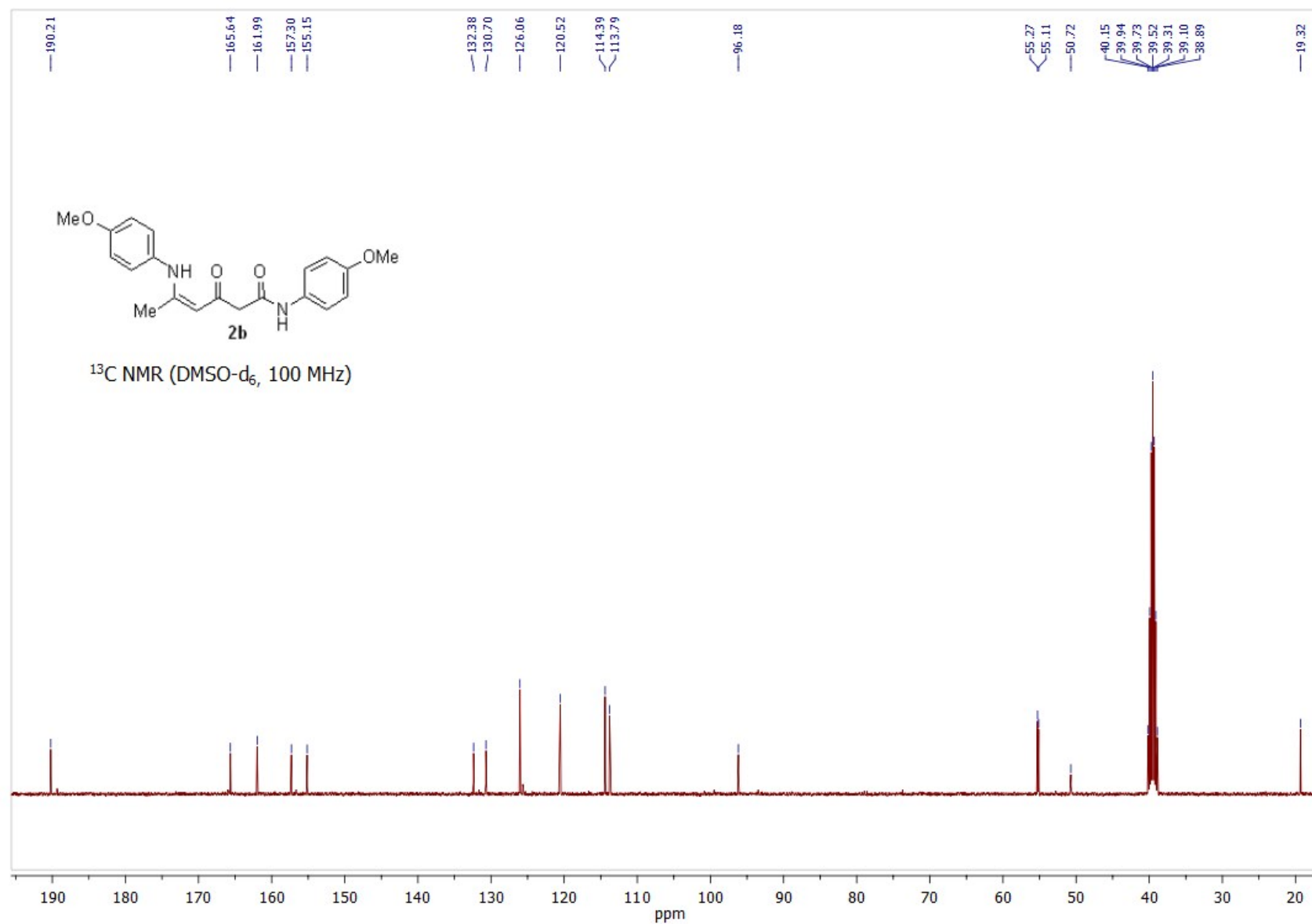
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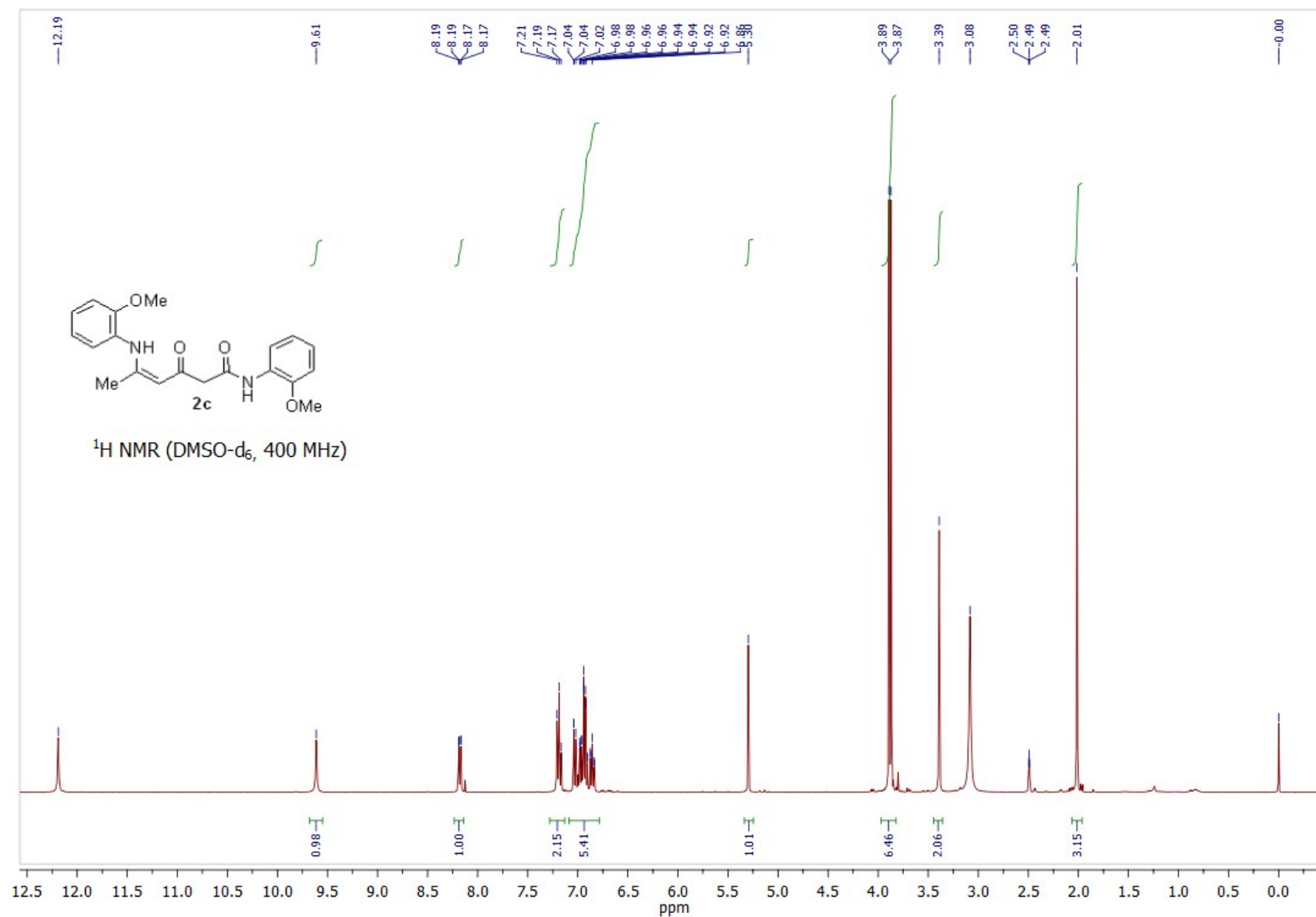
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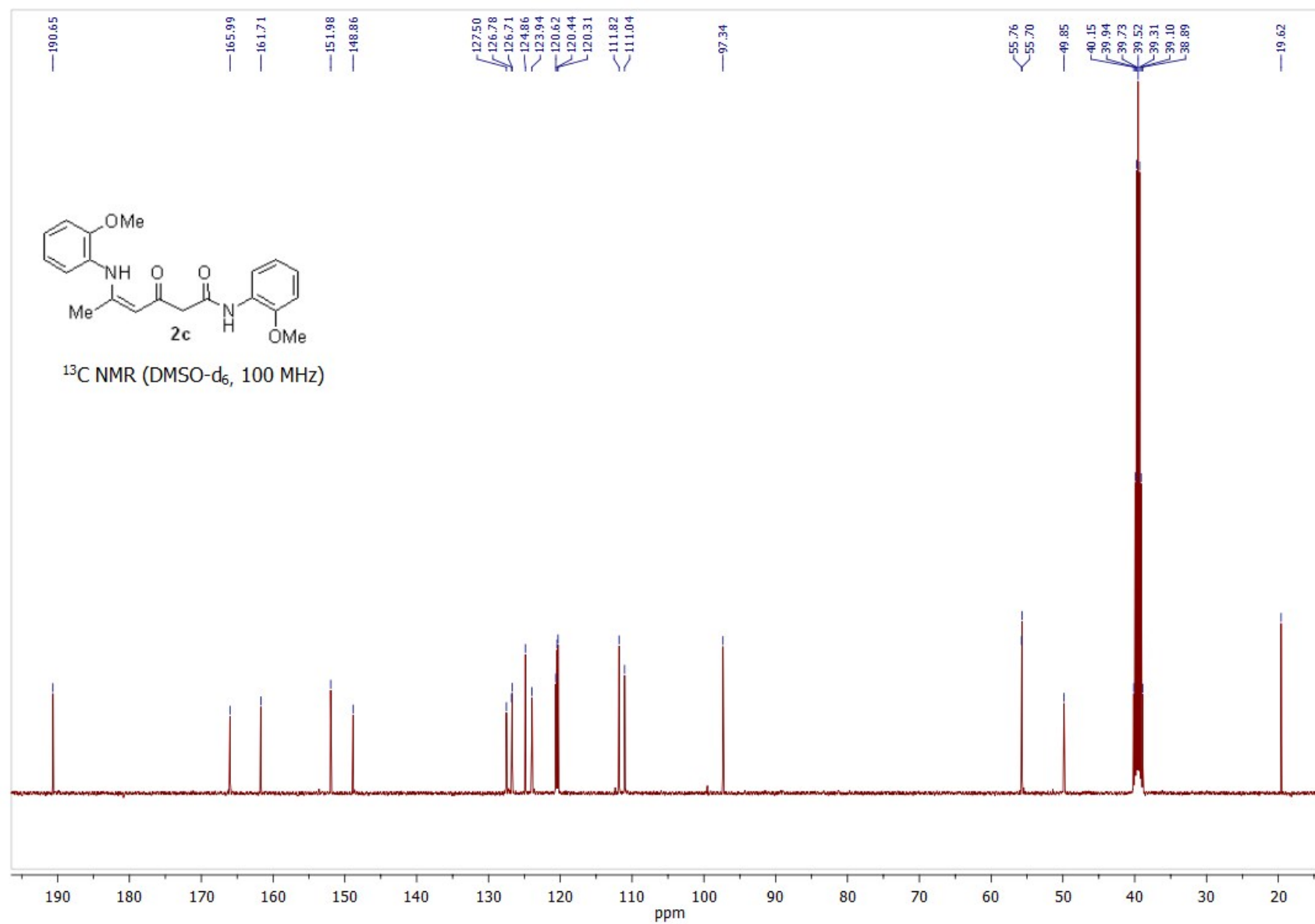


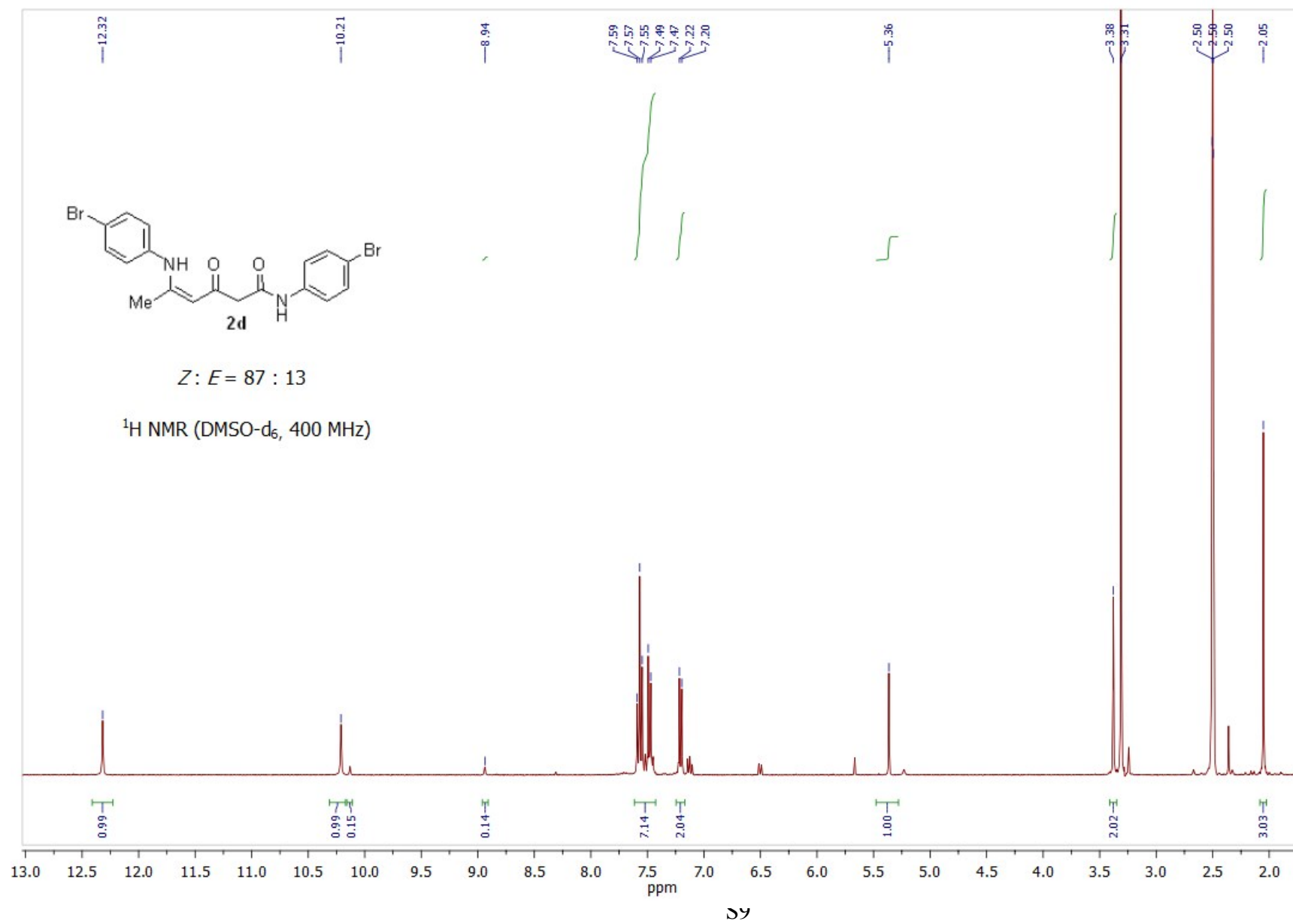


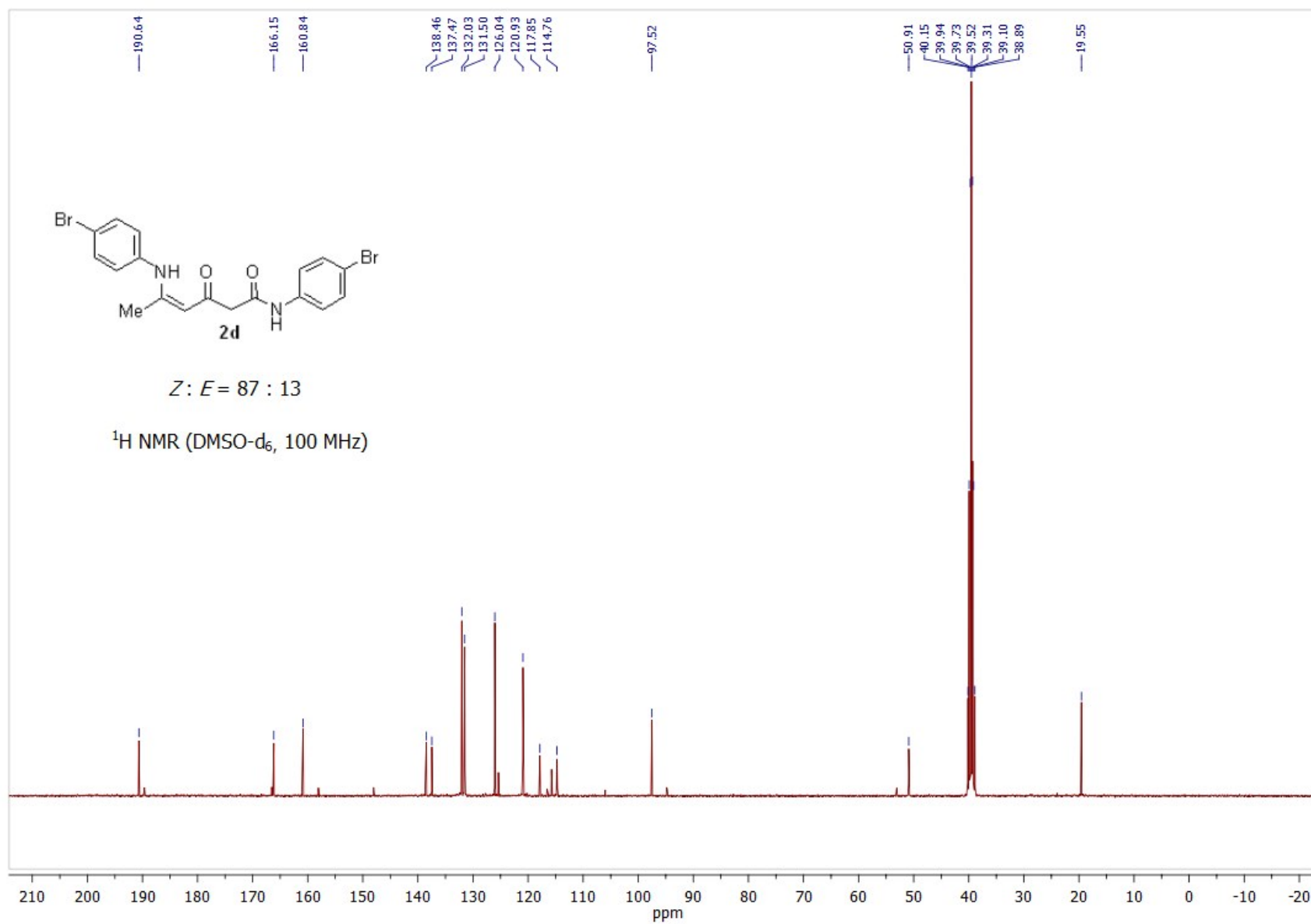


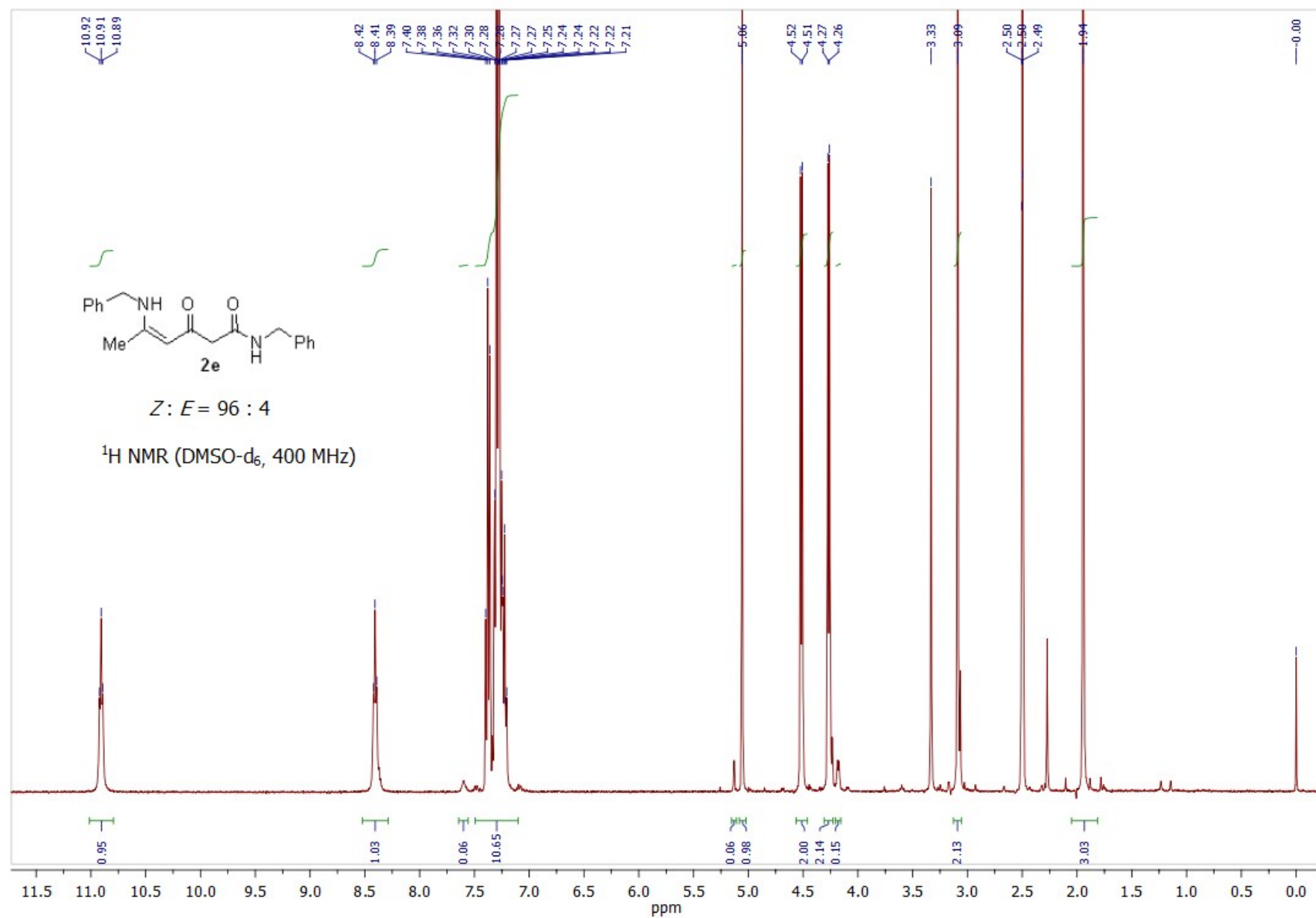


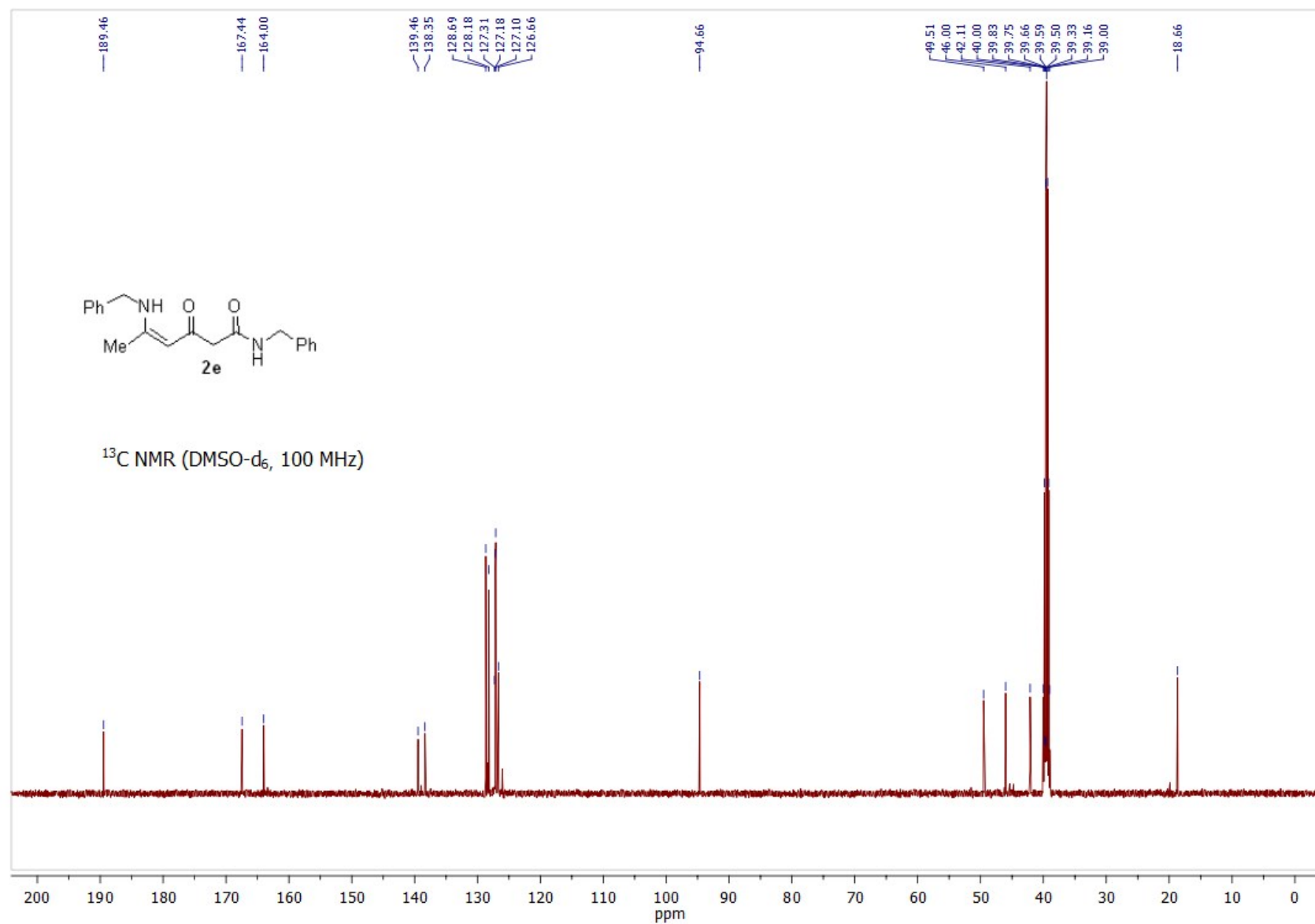


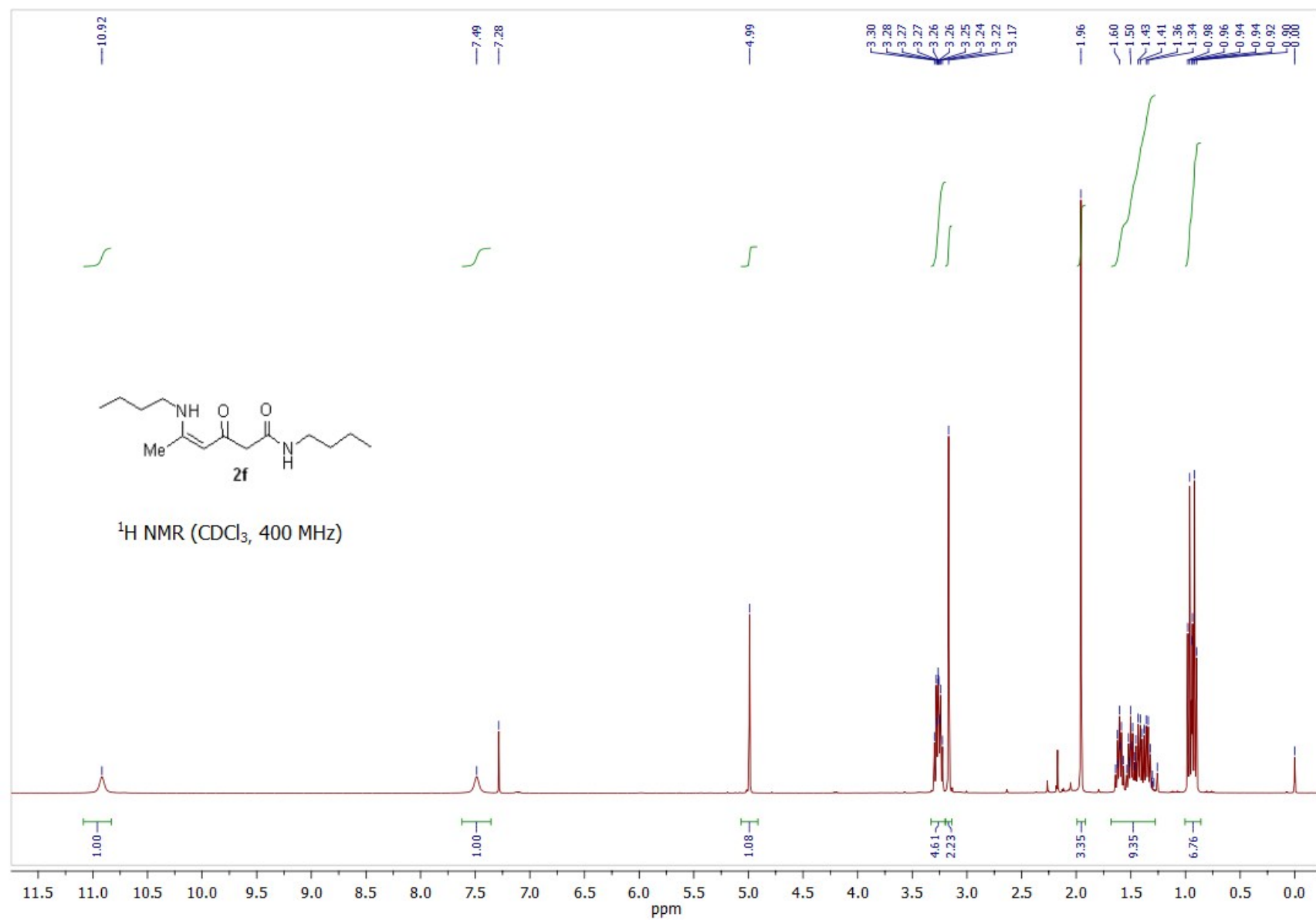


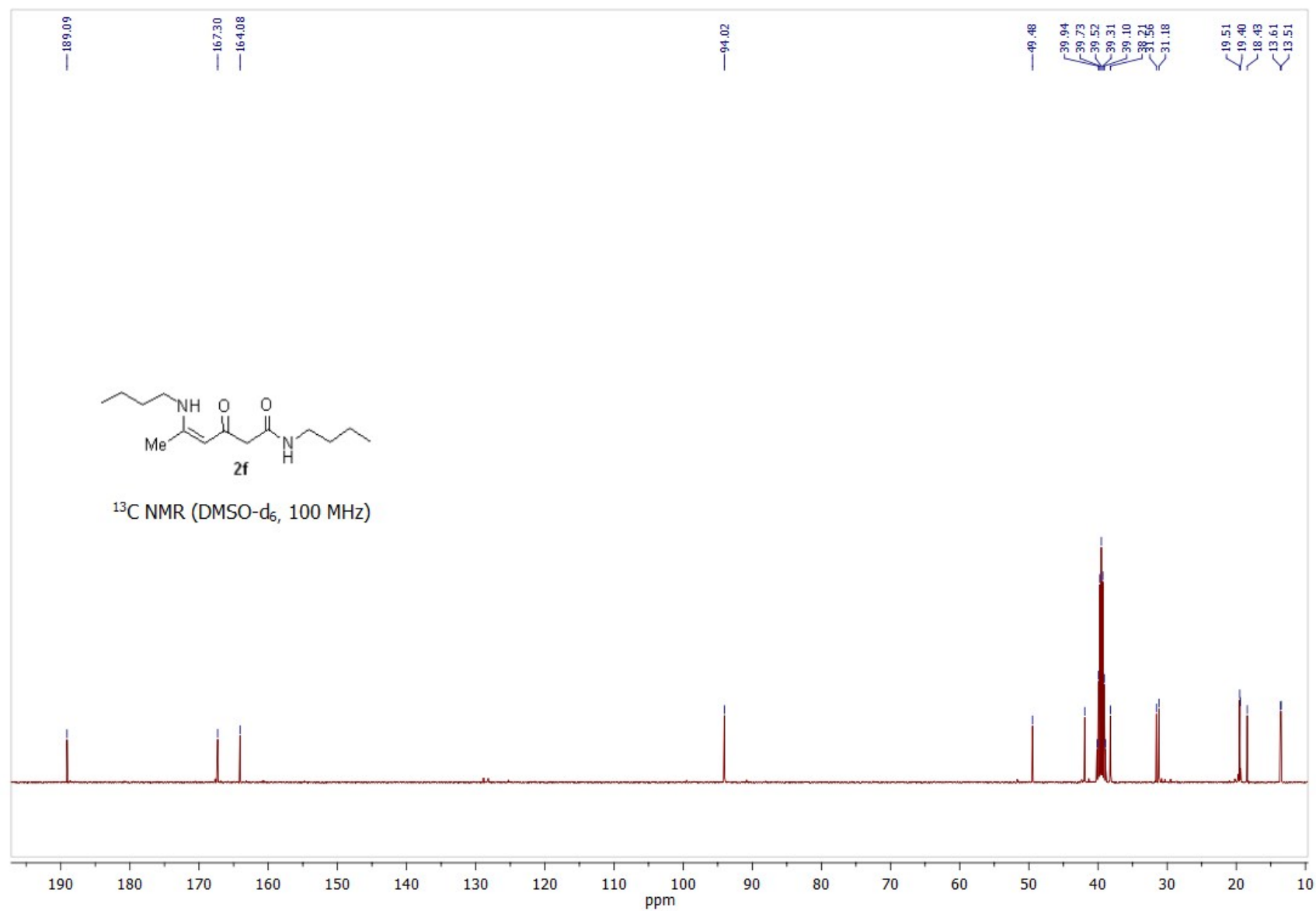


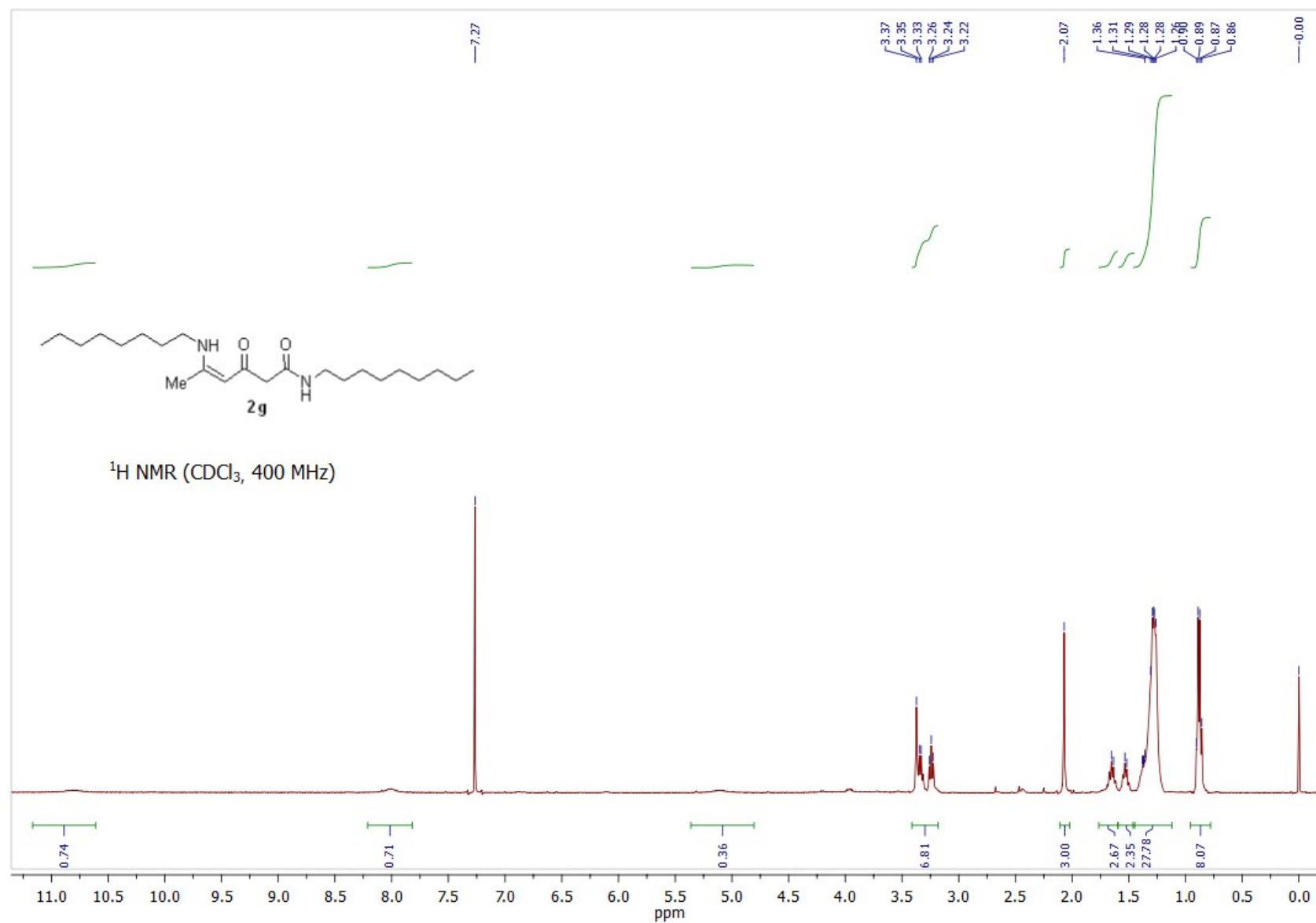


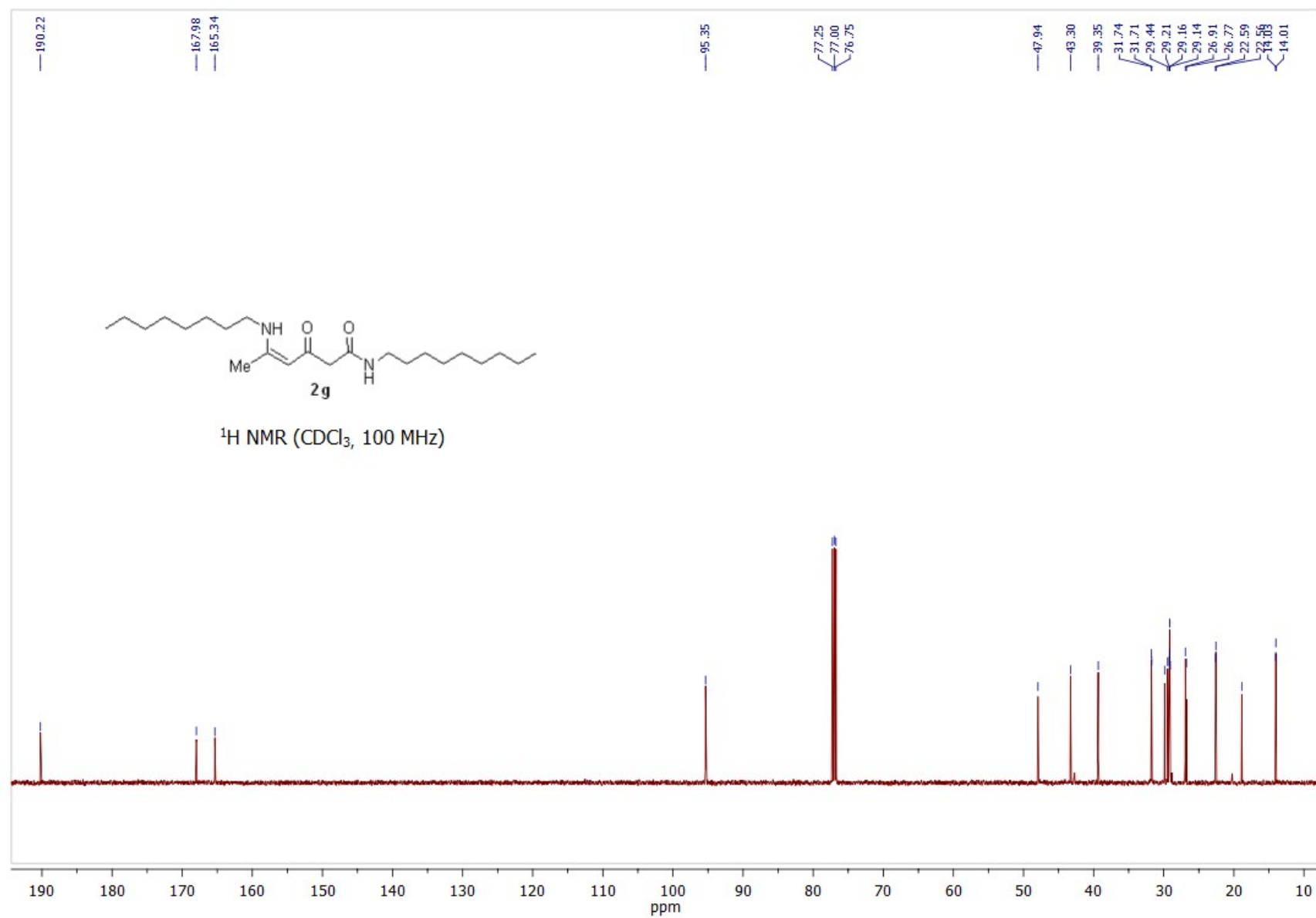


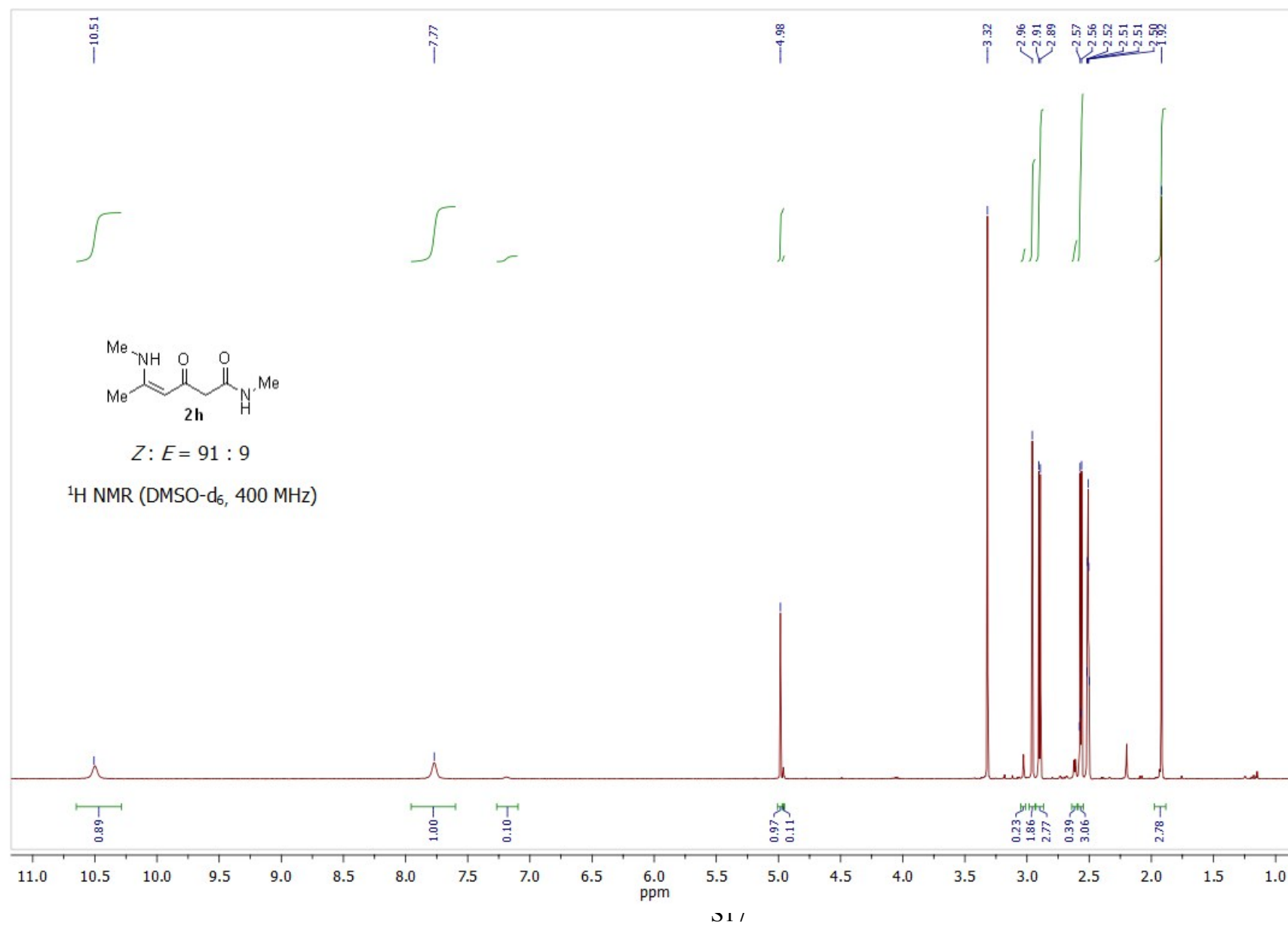


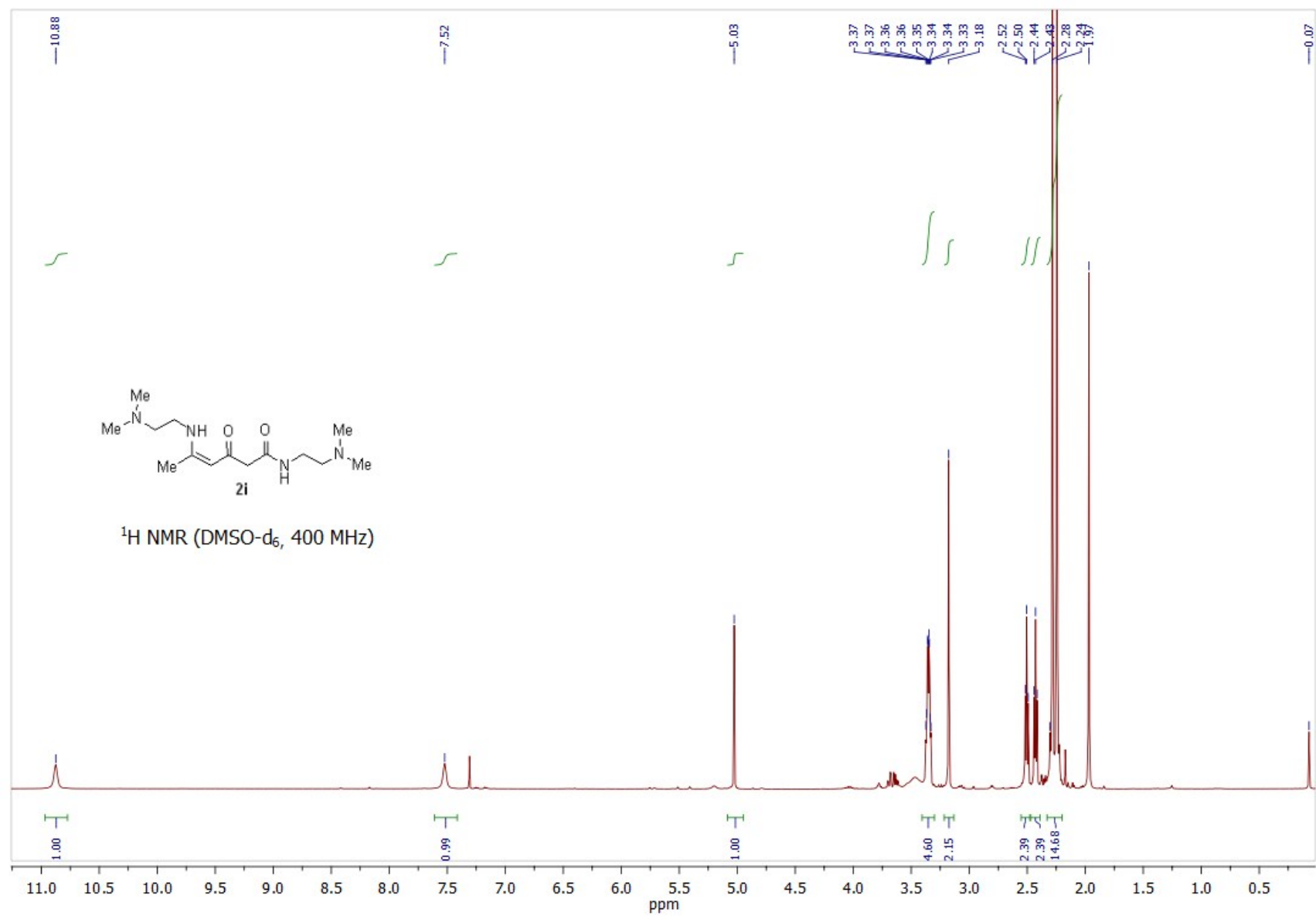


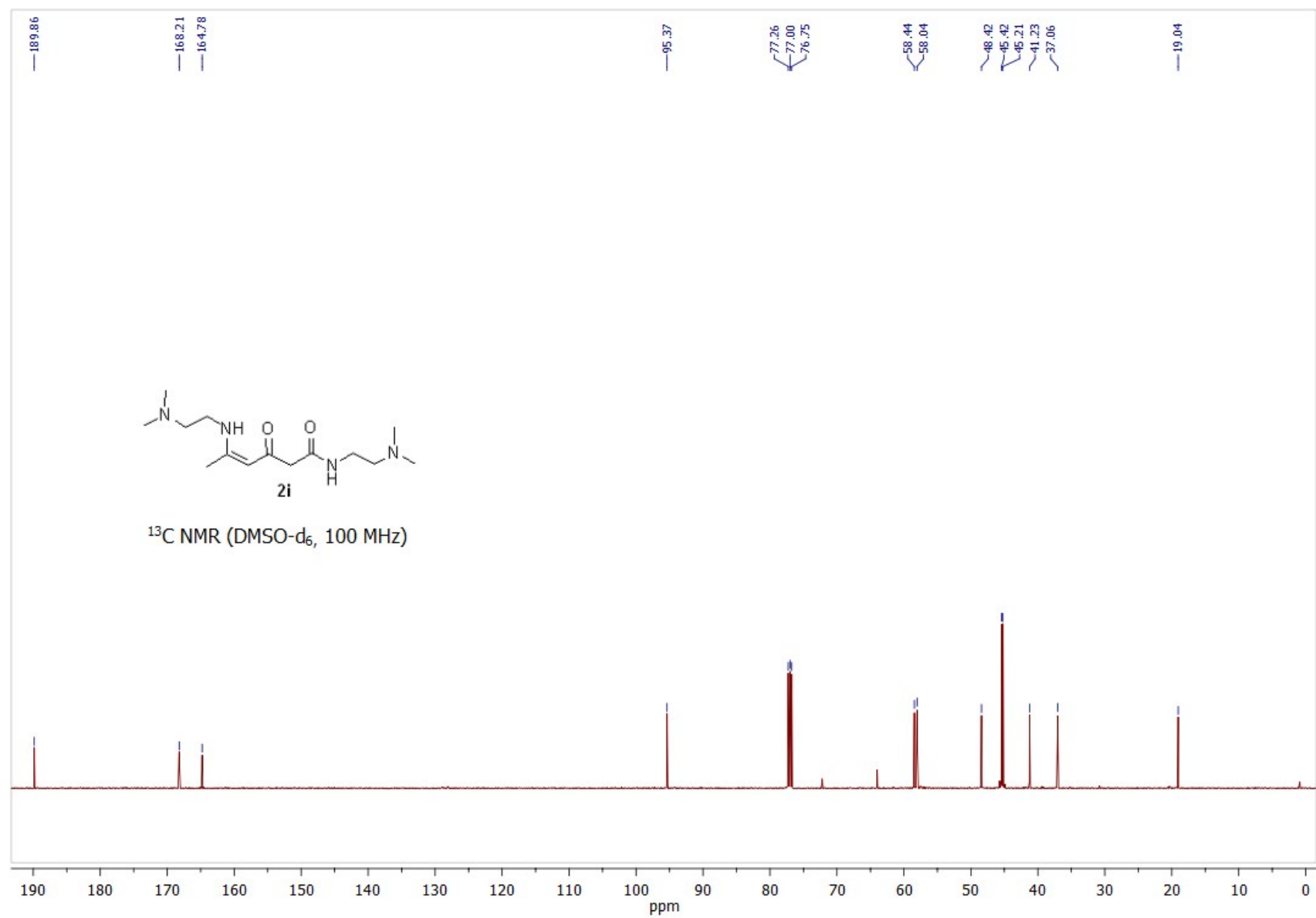


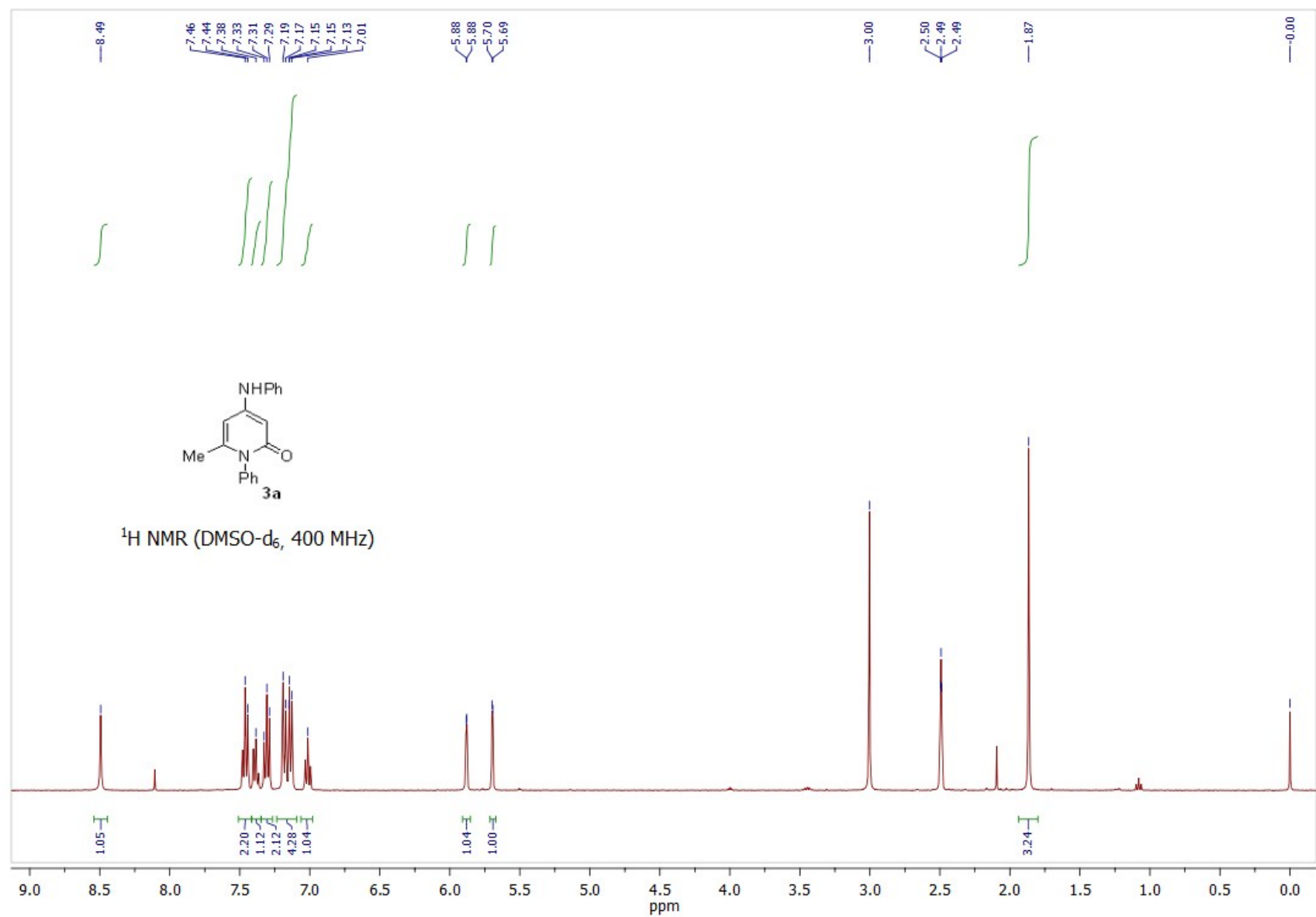


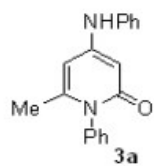




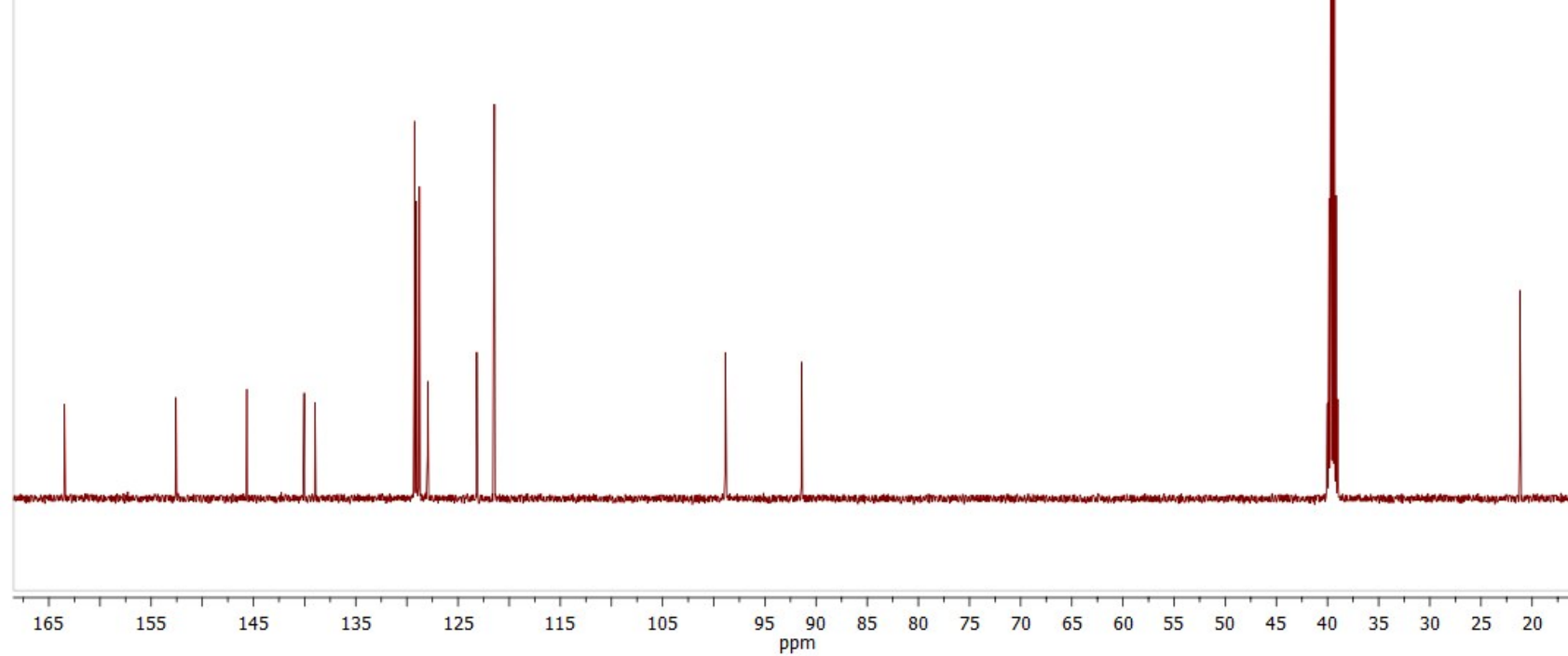


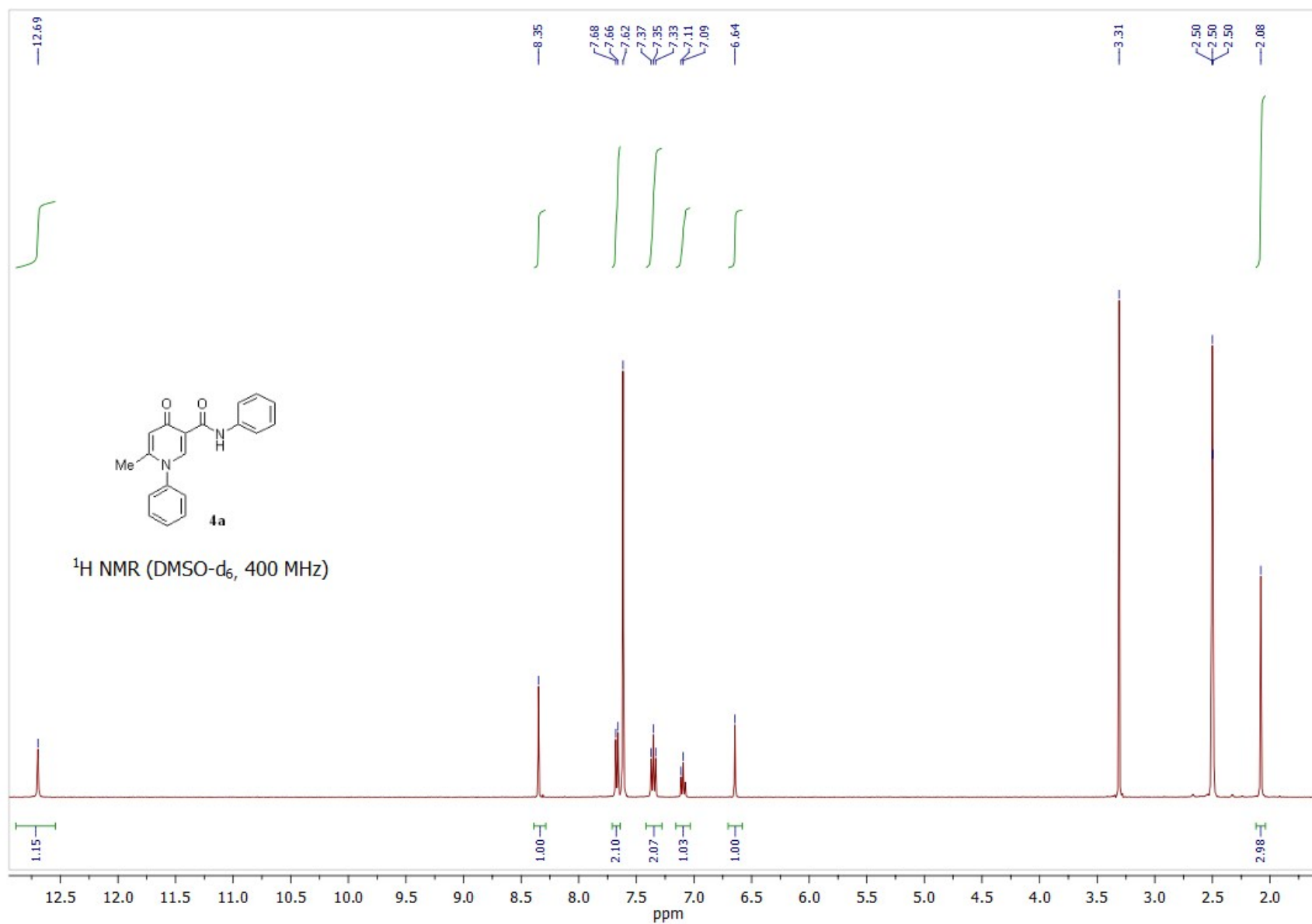


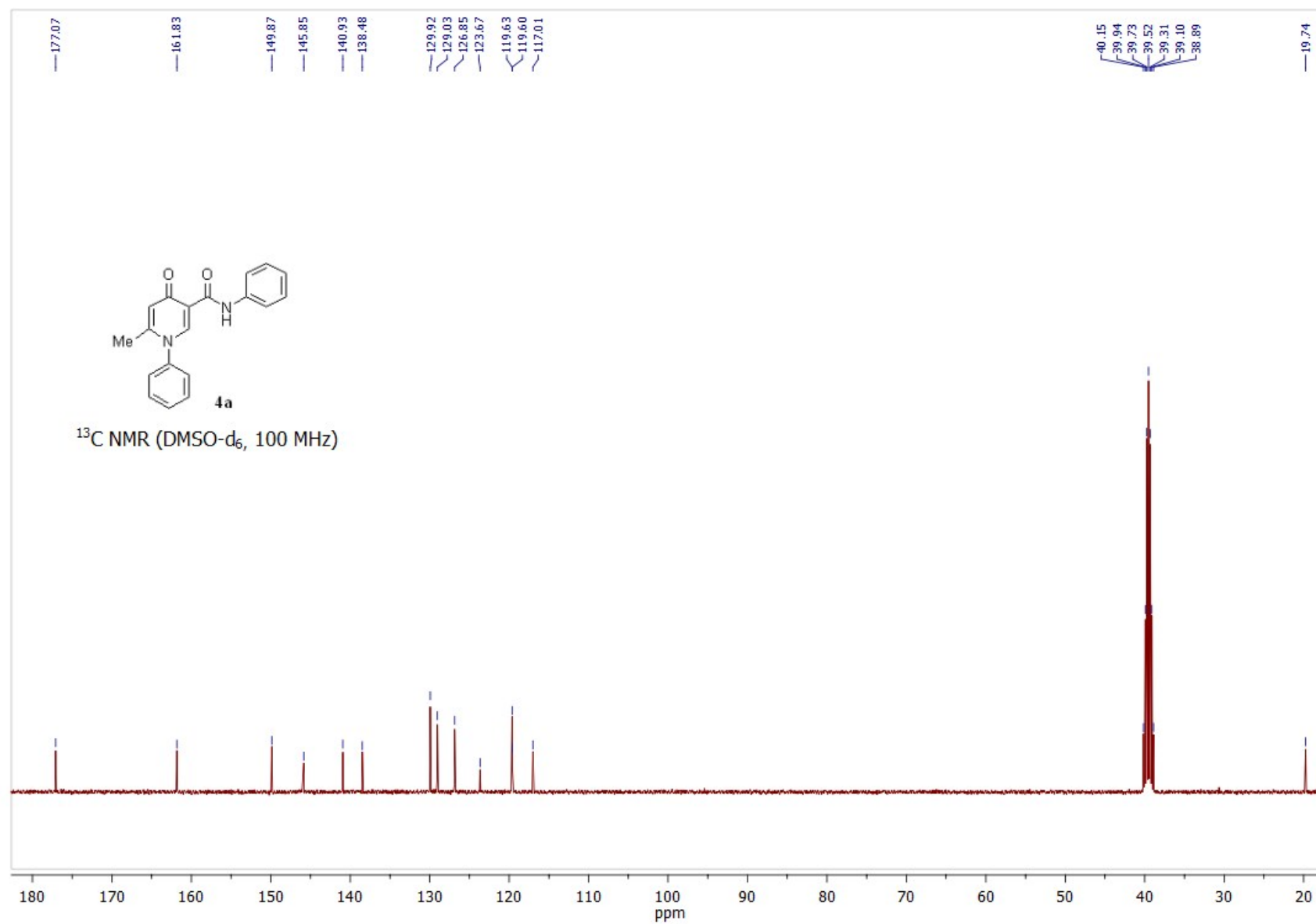


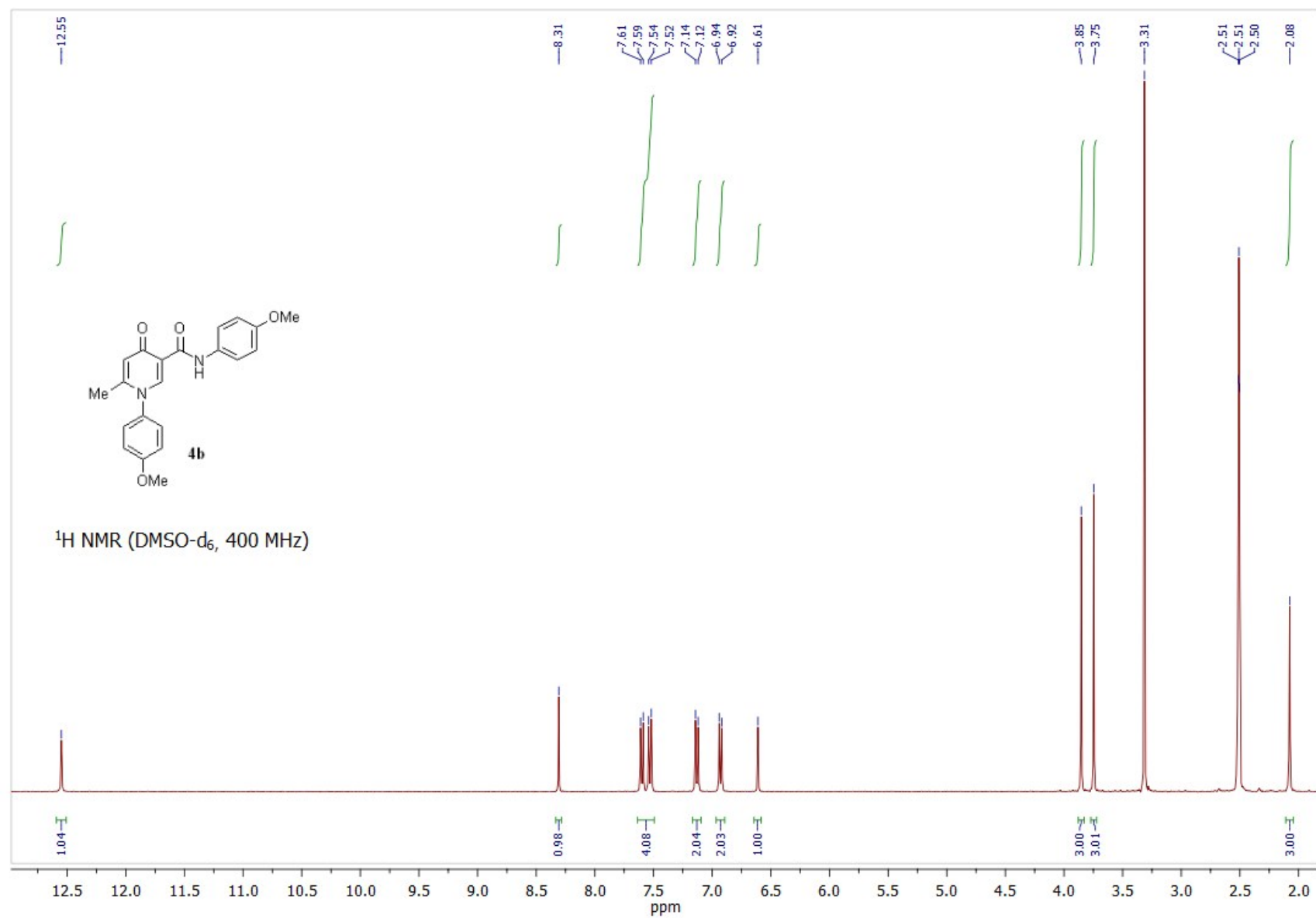


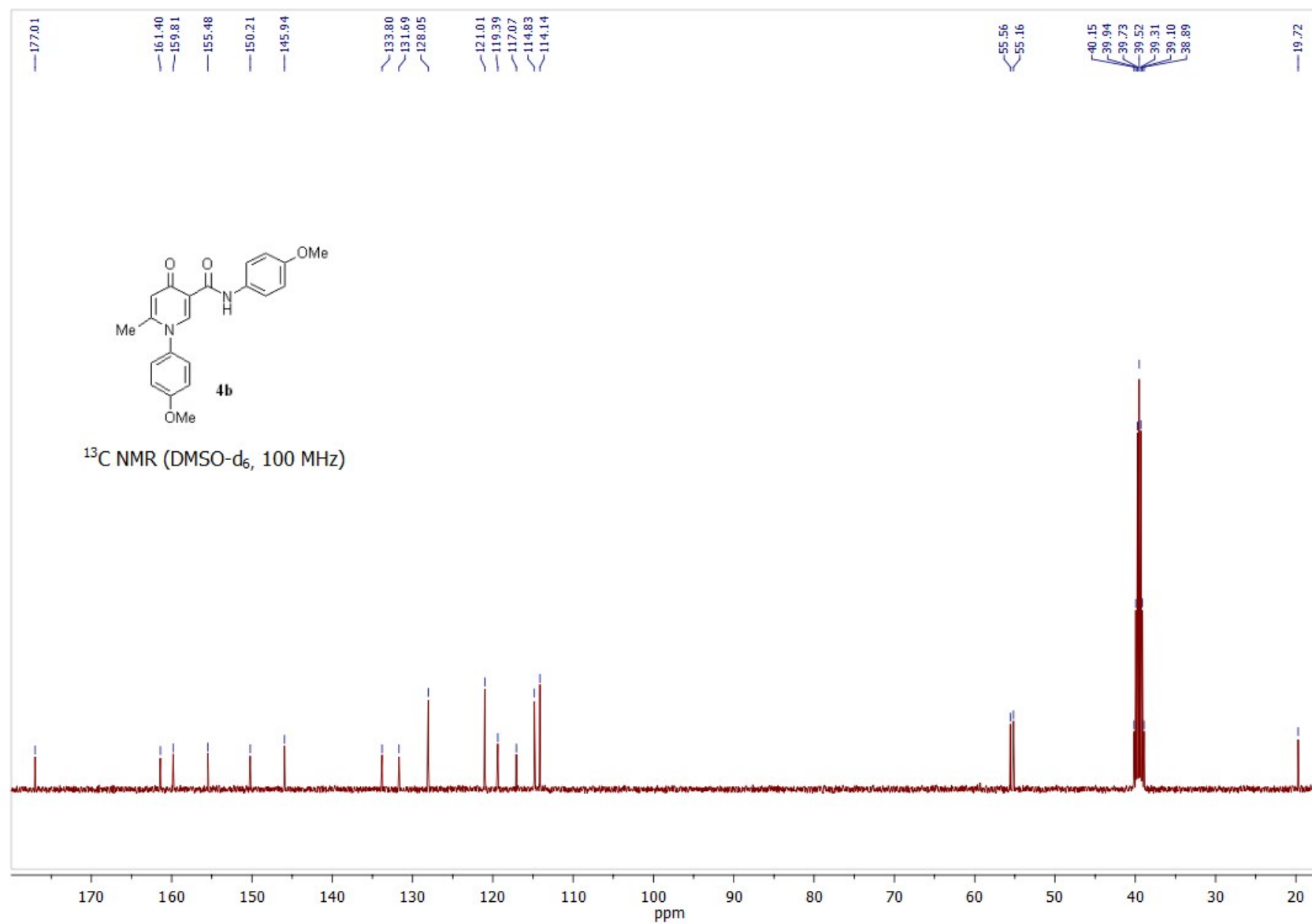
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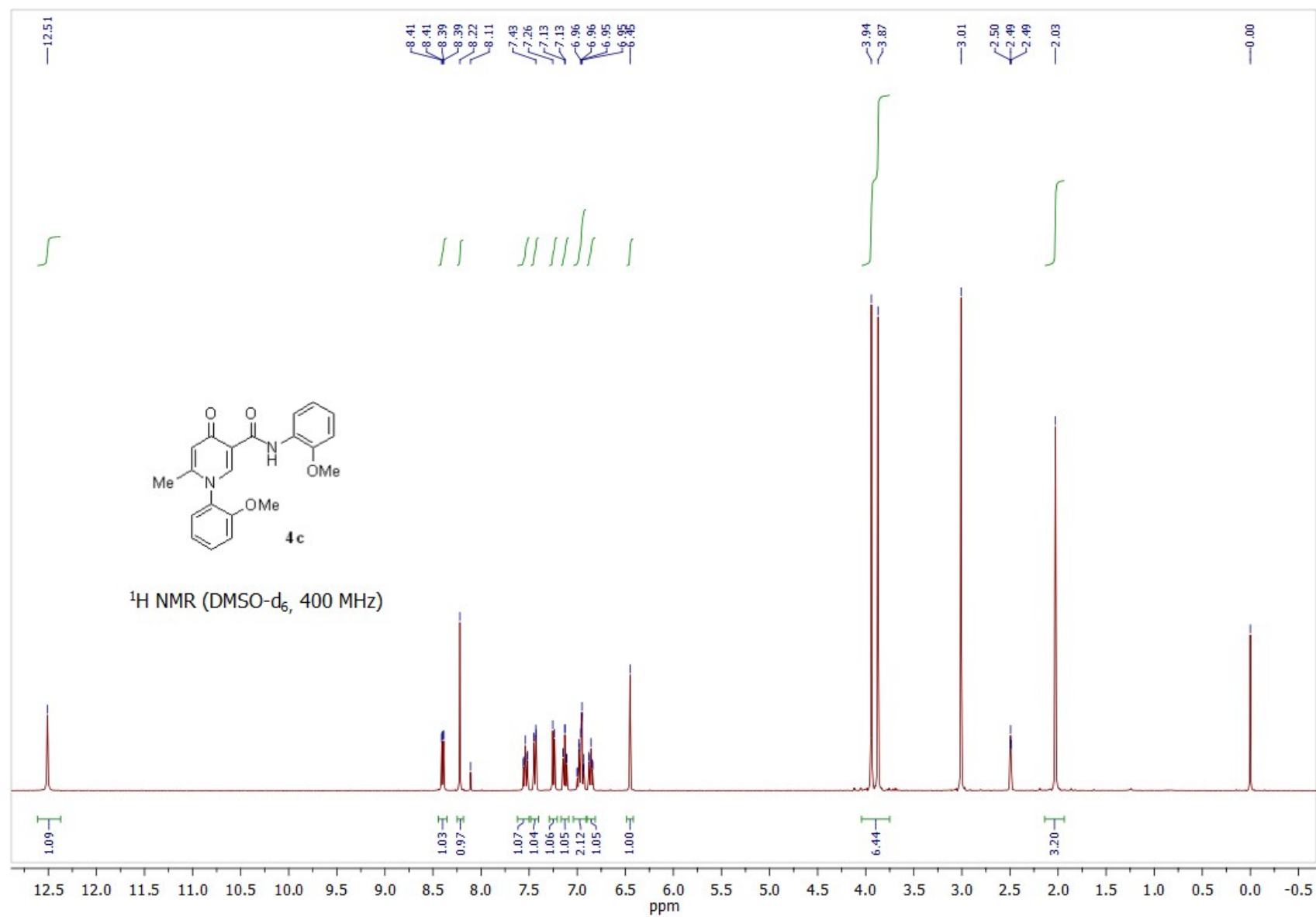


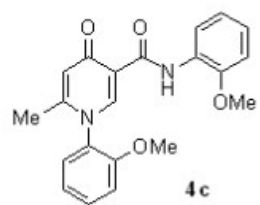












^{13}C NMR (DMSO- d_6 , 100 MHz)

