

# Supporting Information

## A general and scalable synthesis of polysubstituted indoles.

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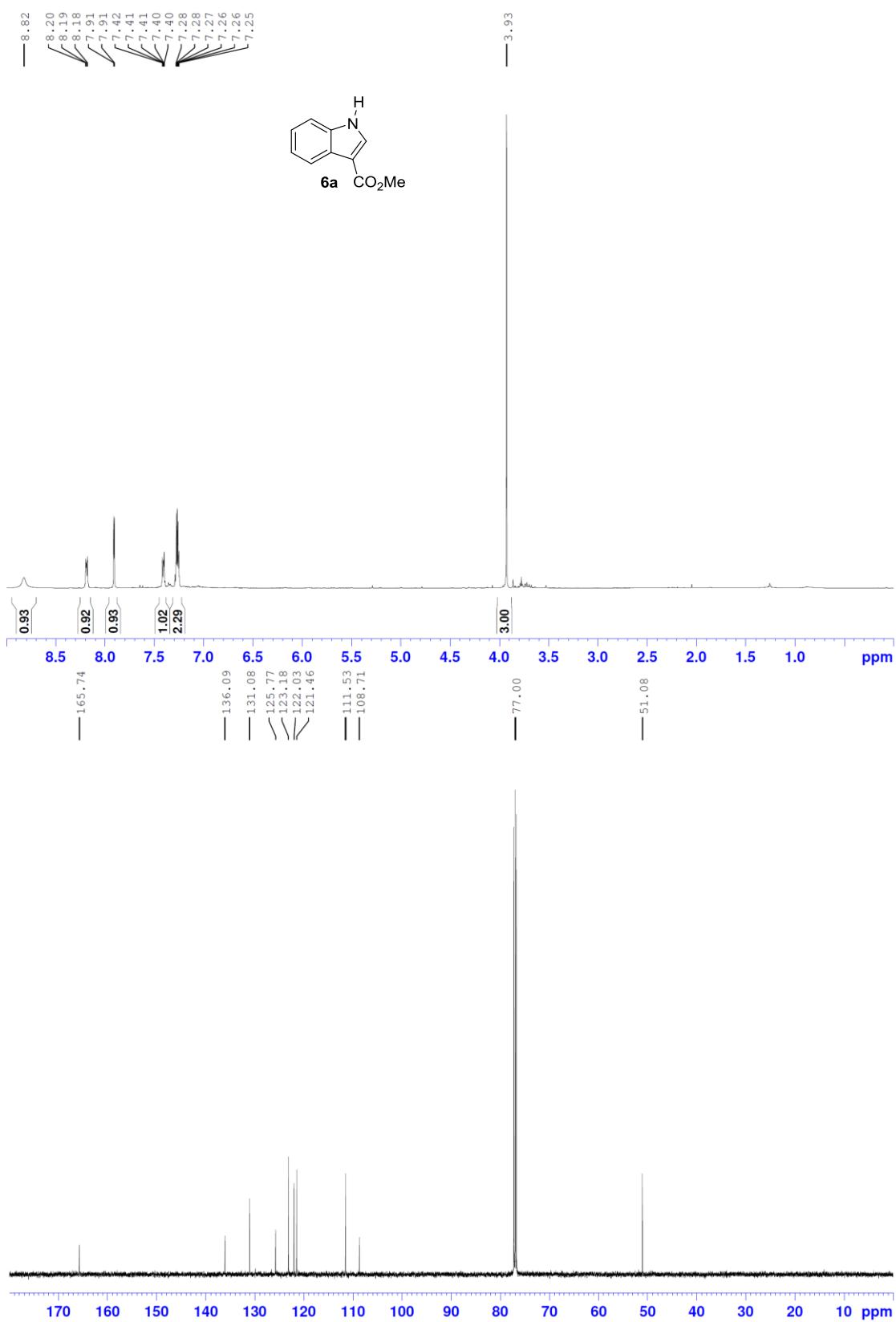
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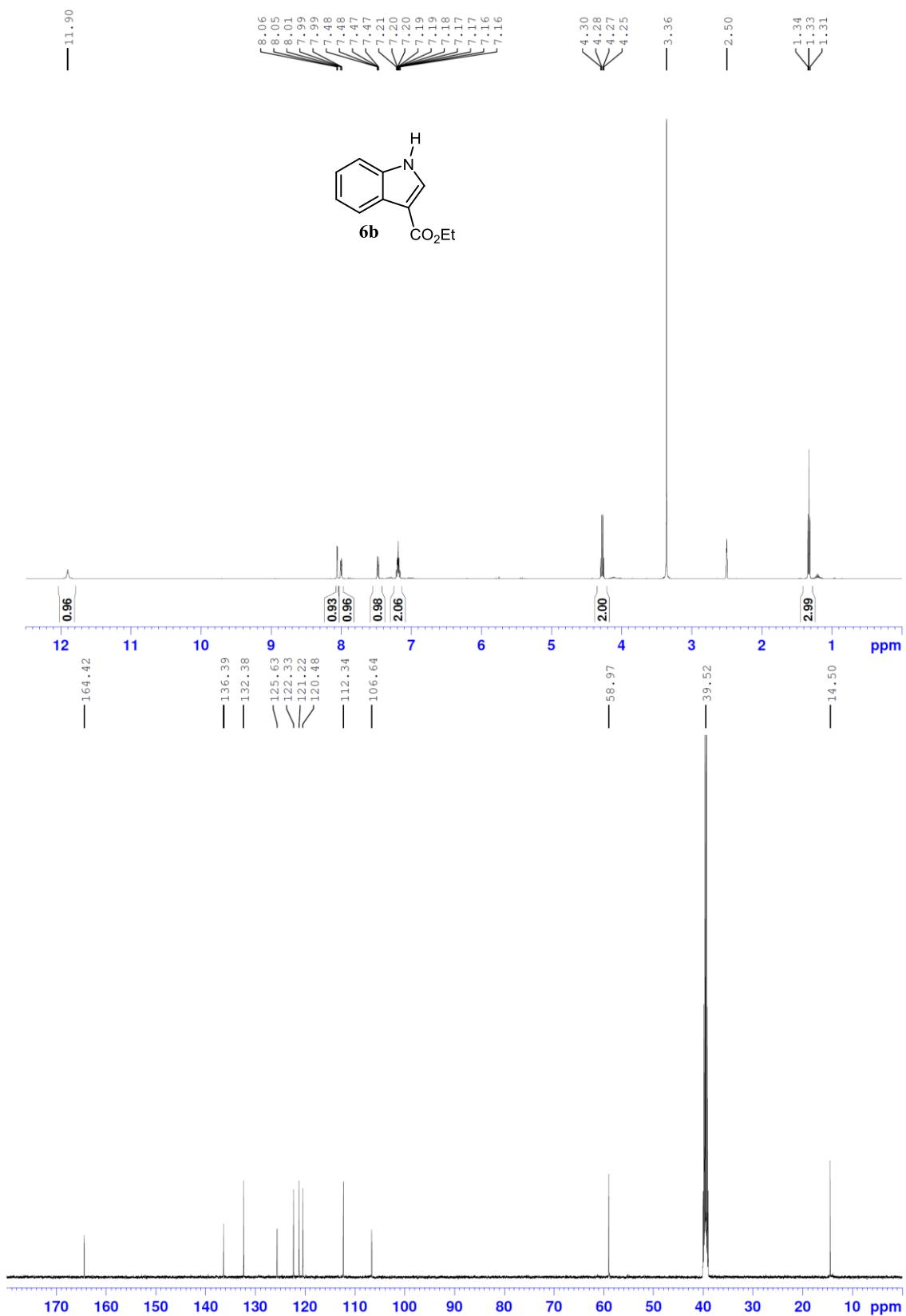
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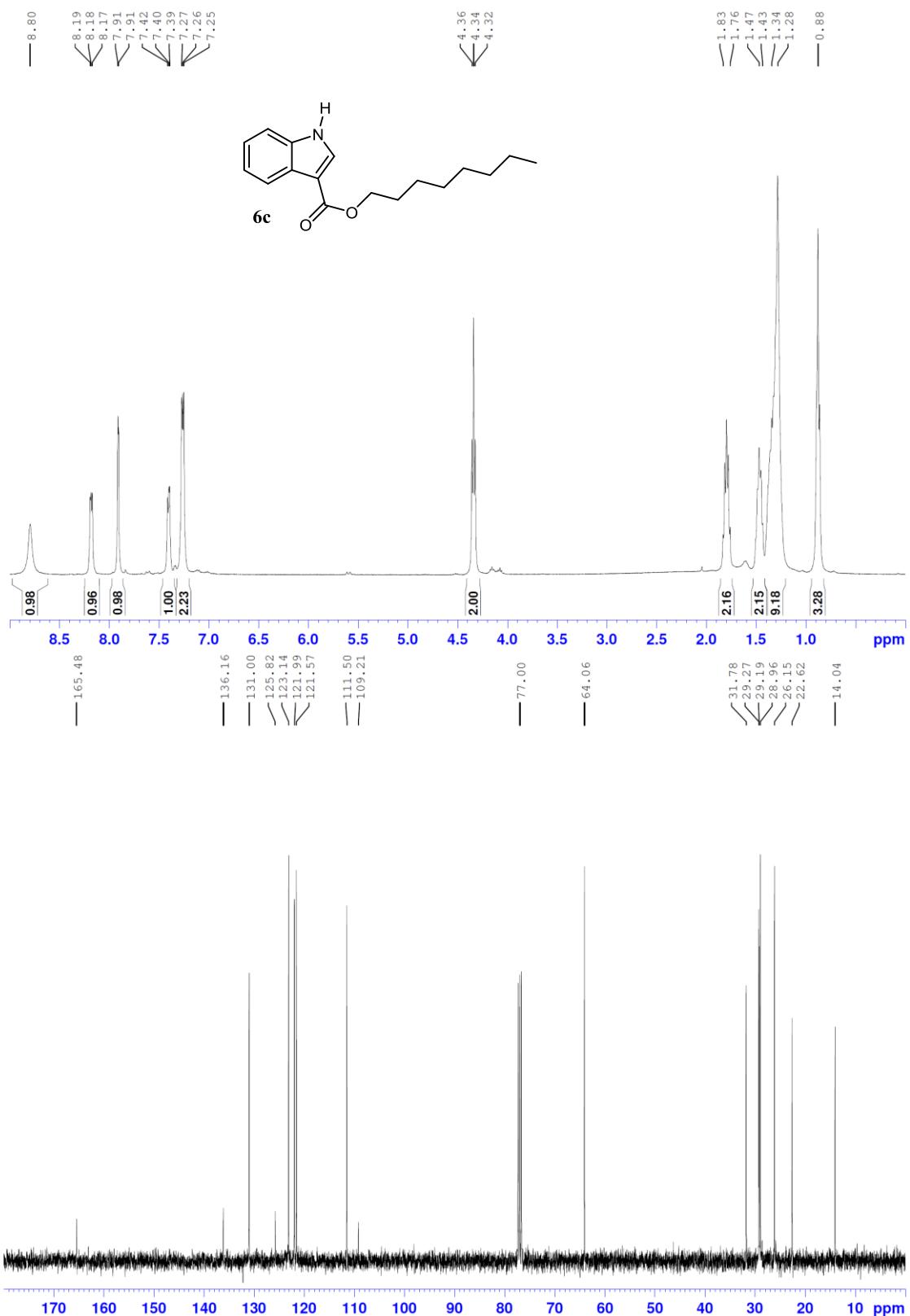
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| General information                        | S1     |
| <sup>1</sup> H and <sup>13</sup> C spectra | S2-S42 |

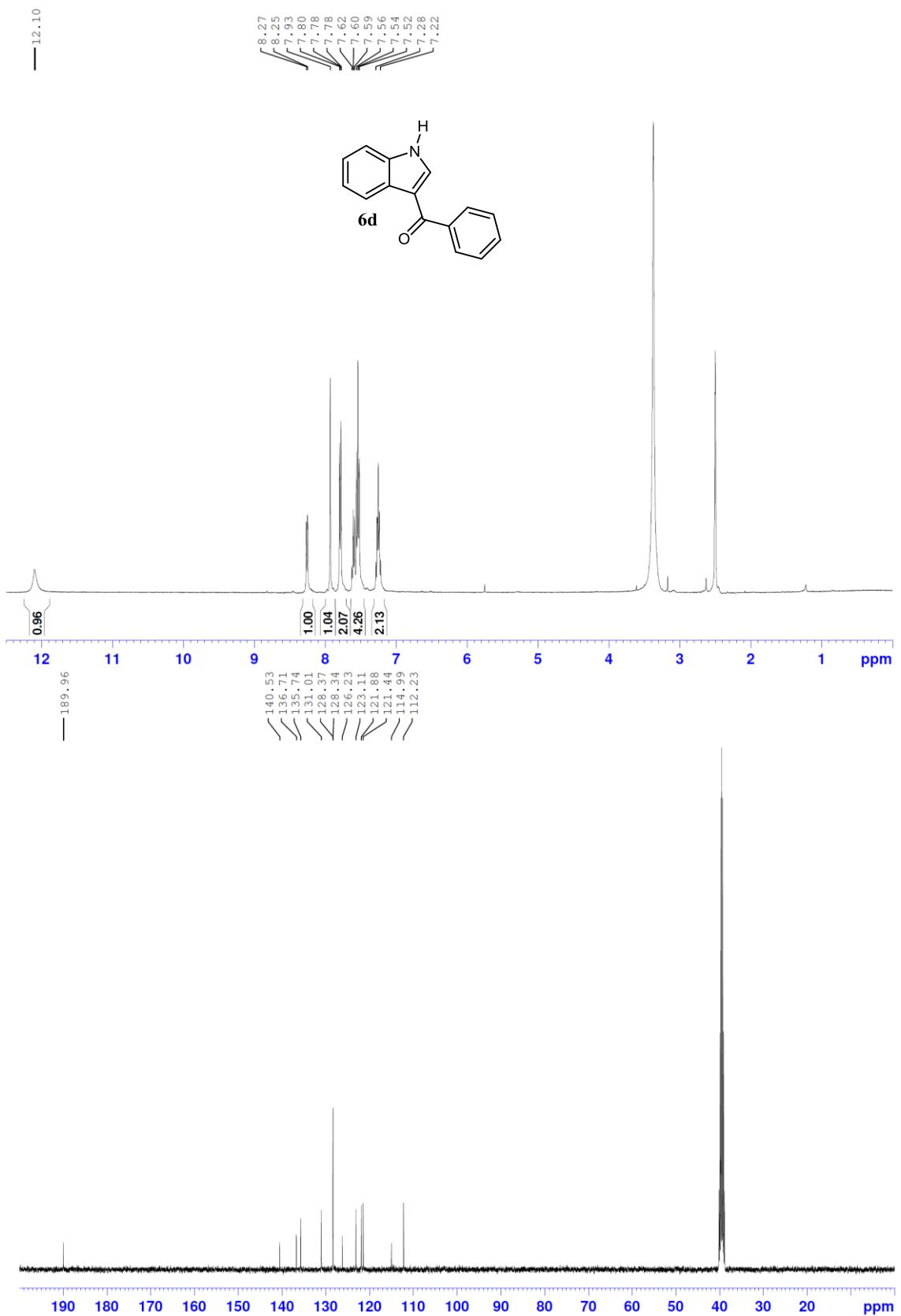
**General information.** <sup>1</sup>H NMR and <sup>13</sup>C NMR spectra of DMSO-d6 or CDCl<sub>3</sub> solutions were recorded either at 400 and 100 MHz or at 500 and 125 MHz (Bruker Ac 200 and AMX2-500 respectively).

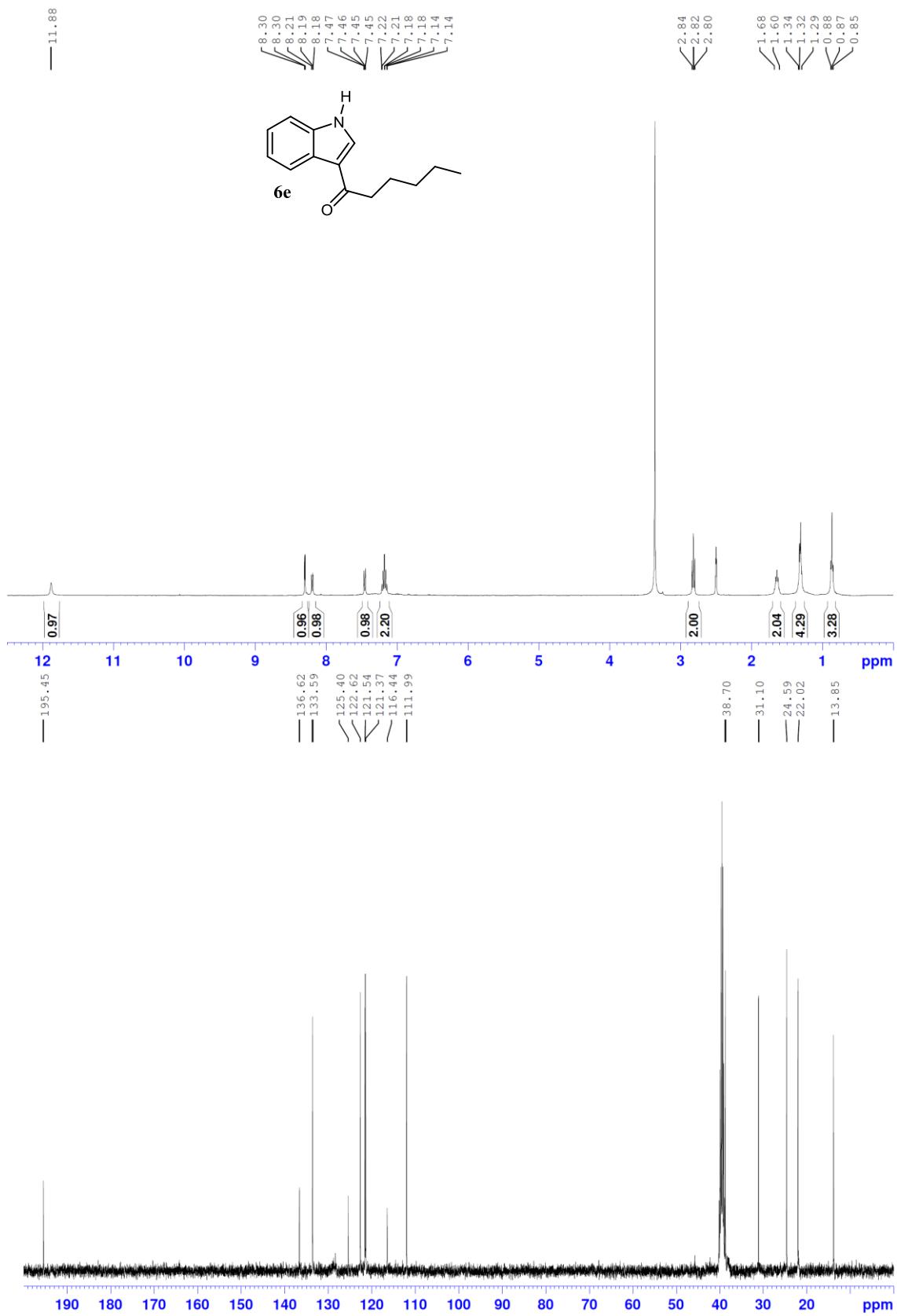
| Compound   | Solvent           | Field       |
|--|-------------------|-------------|
| <b>6a, 6c, 6f, 6h, 6j, 6l, 6n (C-4 and C-6 isomers), 6o (C-6 isomer), 6r (C-4 isomer), 6s, 6u, 6z, 6aa, 10s</b>                              | CDCl <sub>3</sub> | 400/100 MHz |
| <b>6d, 6e, 6f, 6i, 6k, 6m, 6o (C-4 isomer), 6p (C-4 and C-6 isomers), 6q (C-4 and C-6 isomers), 6r (C-6 isomer), 6t, 6v, 6x, 6w, 6y, 6ac</b> | DMSO-d6           | 400/100 MHz |
| <b>6z, 10t, 10u, 10z</b>   | CDCl <sub>3</sub> | 500/125 MHz |
| <b>6b, 6g, 6ab, 6ad (C-4 and C-6 isomers)</b>  | DMSO-d6           | 500/125 MHz |

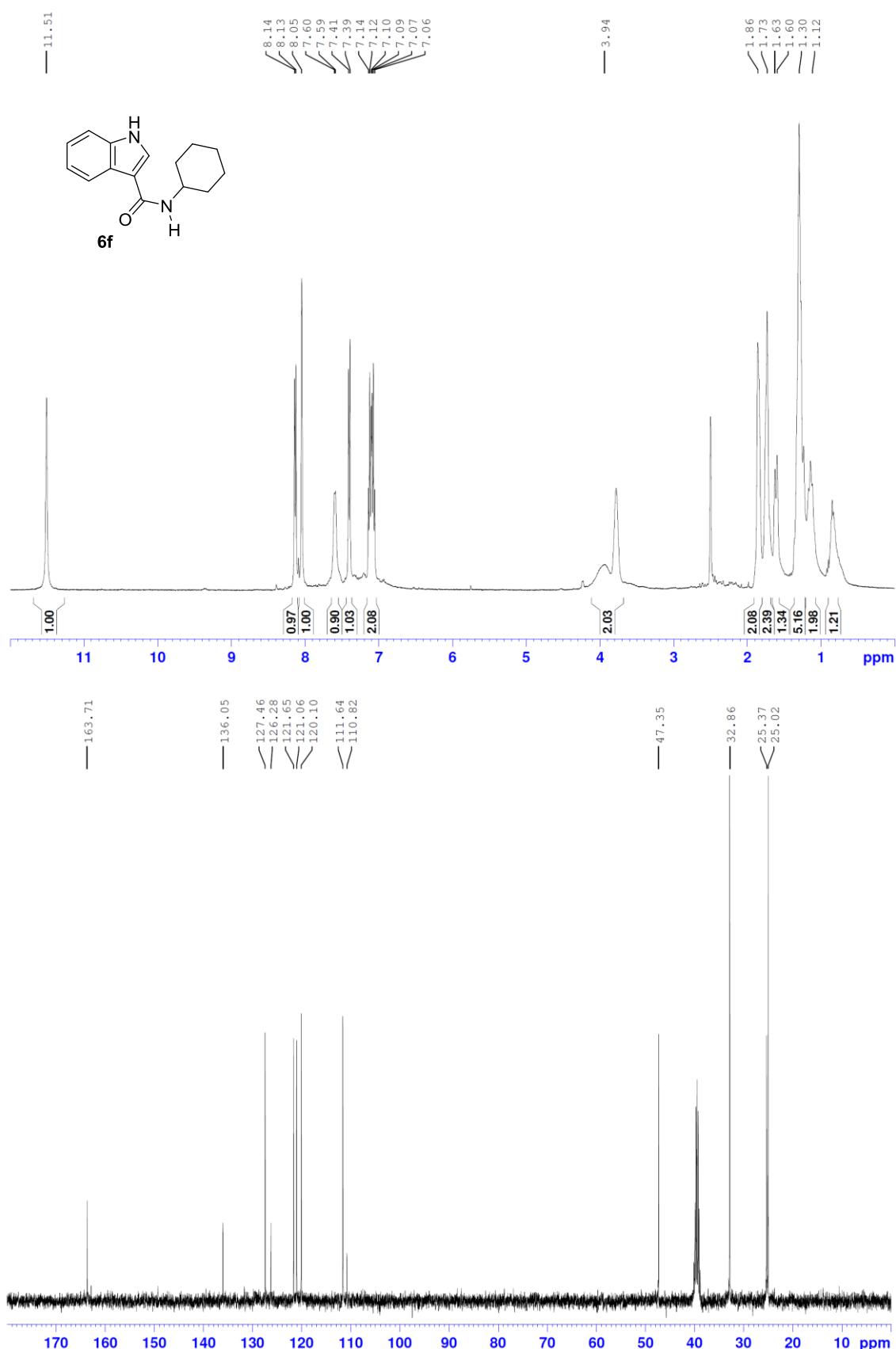


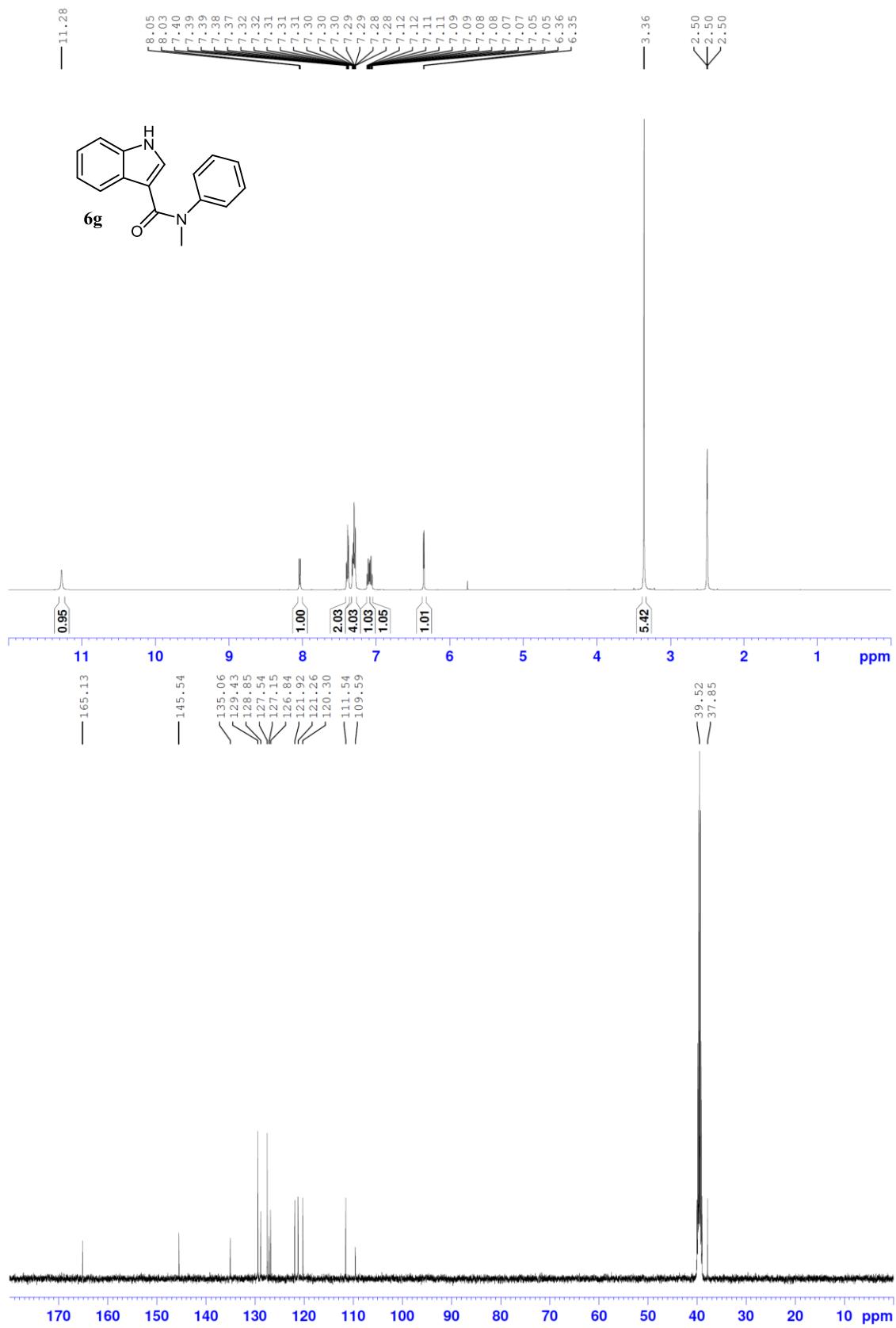


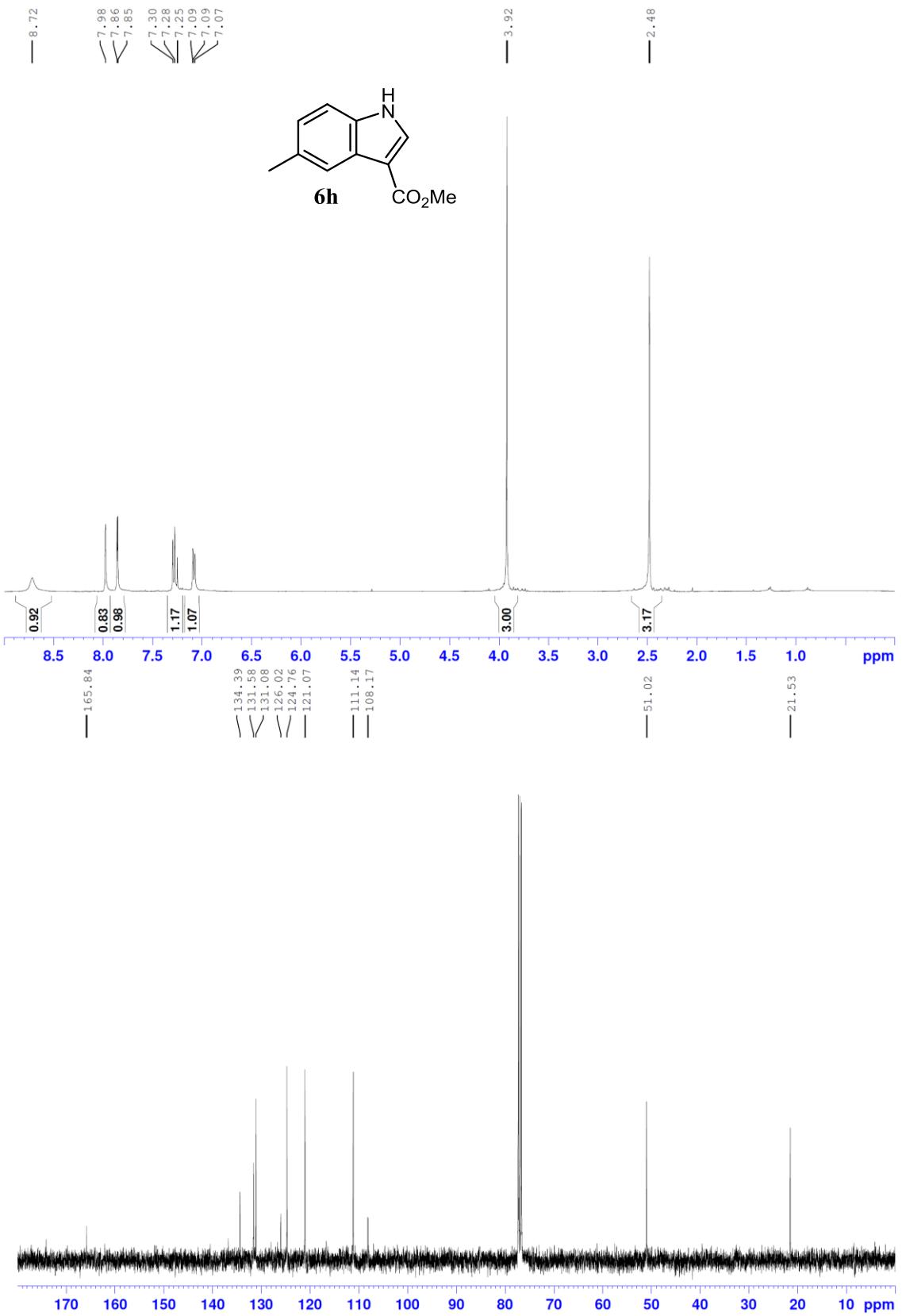


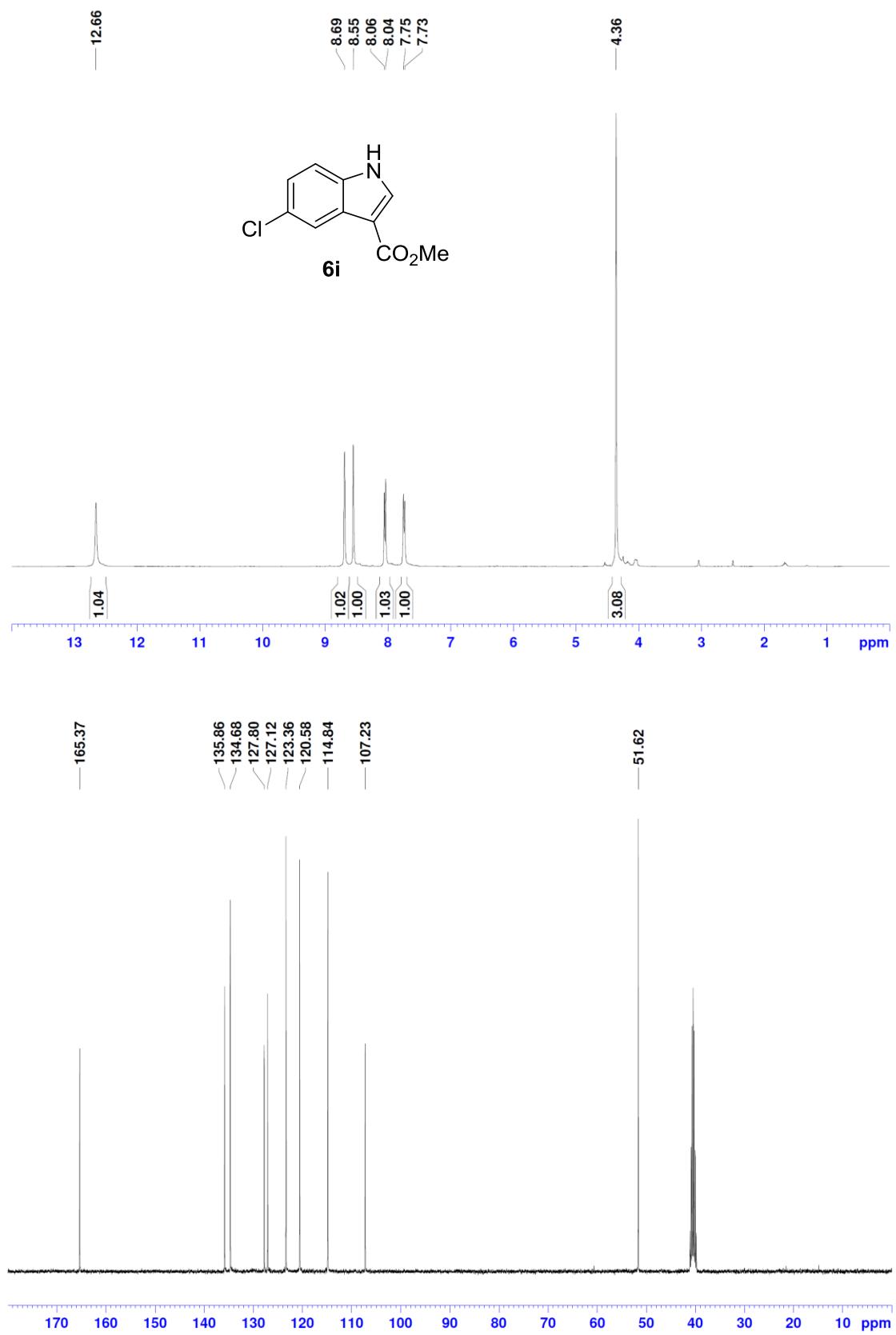


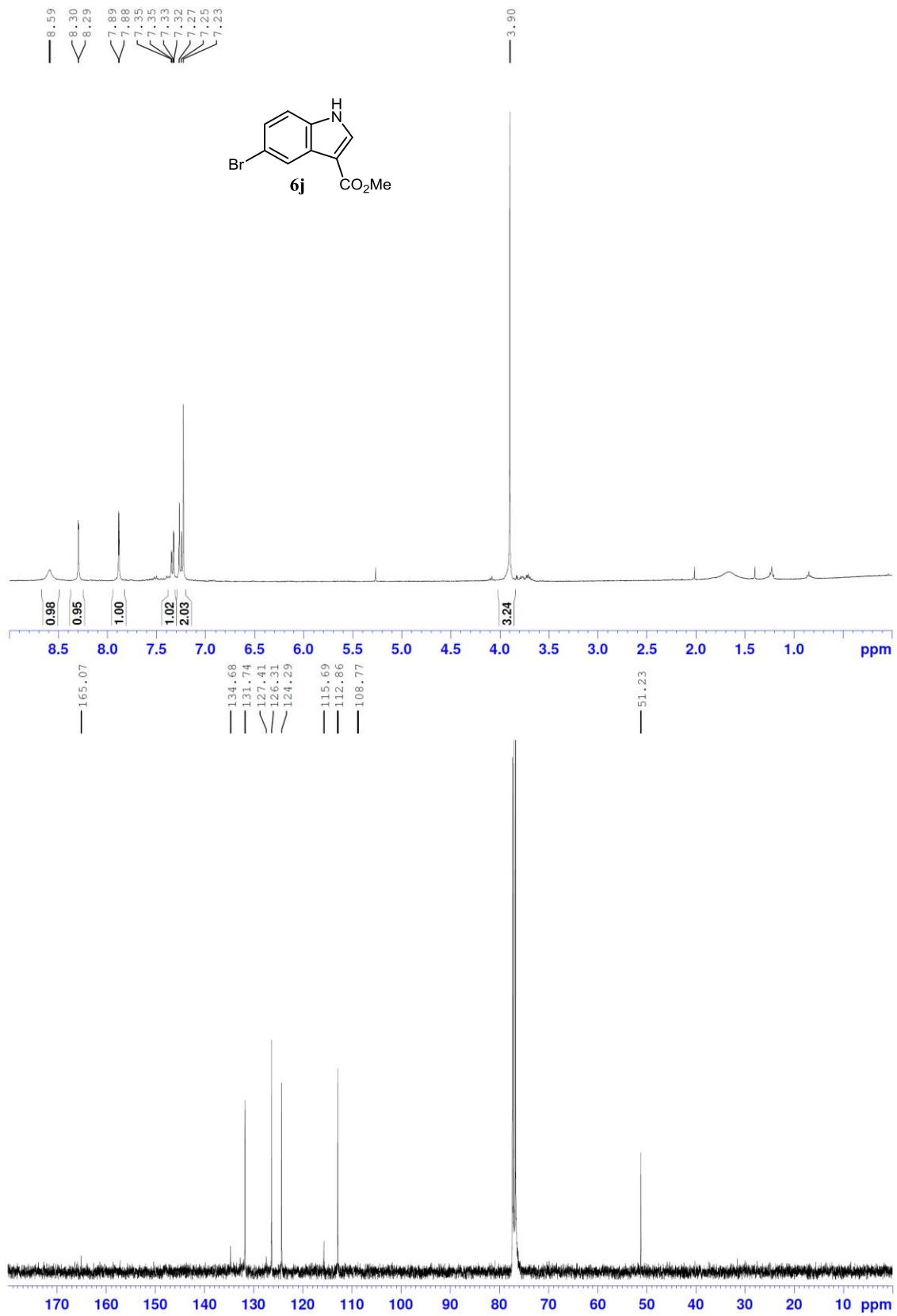


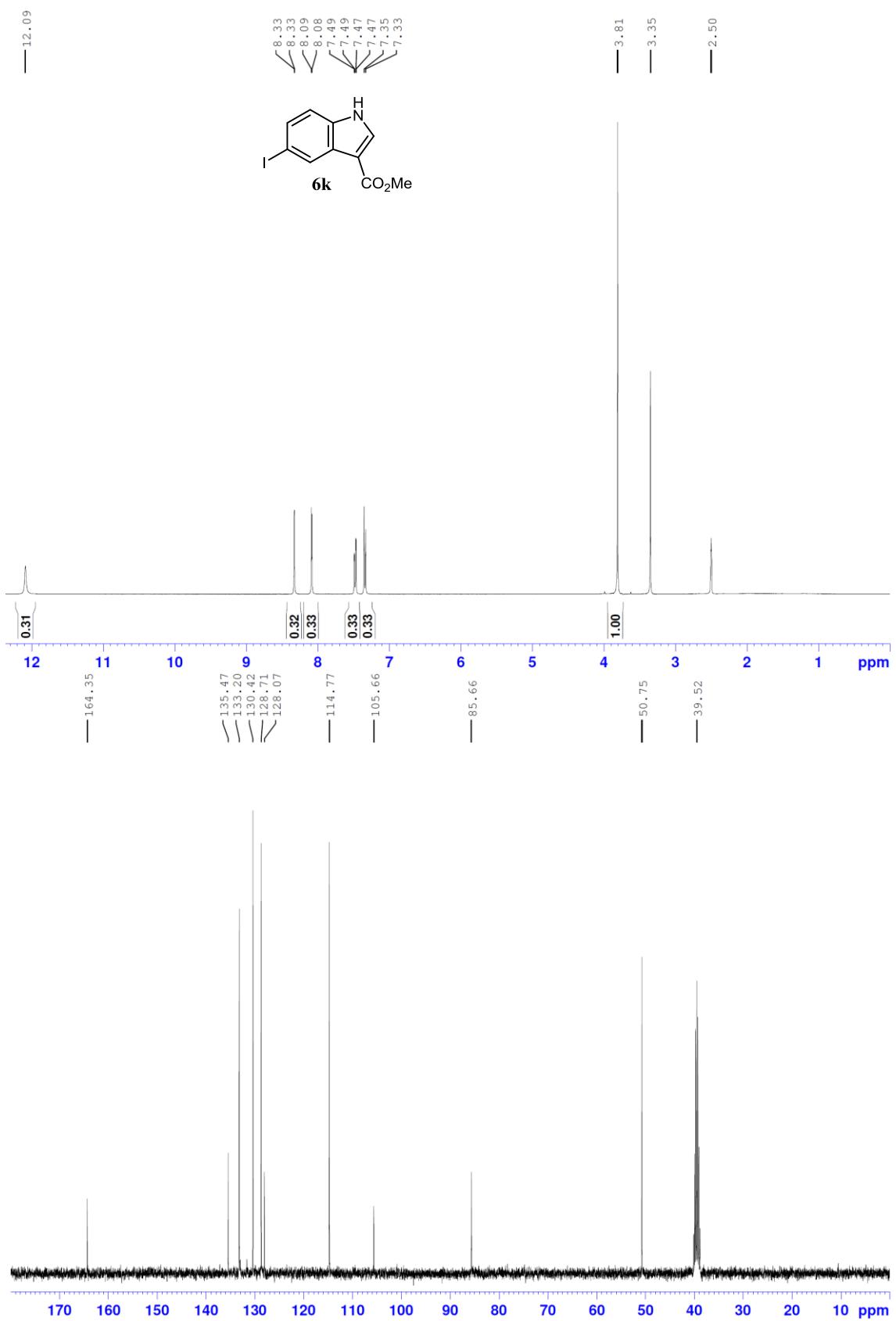


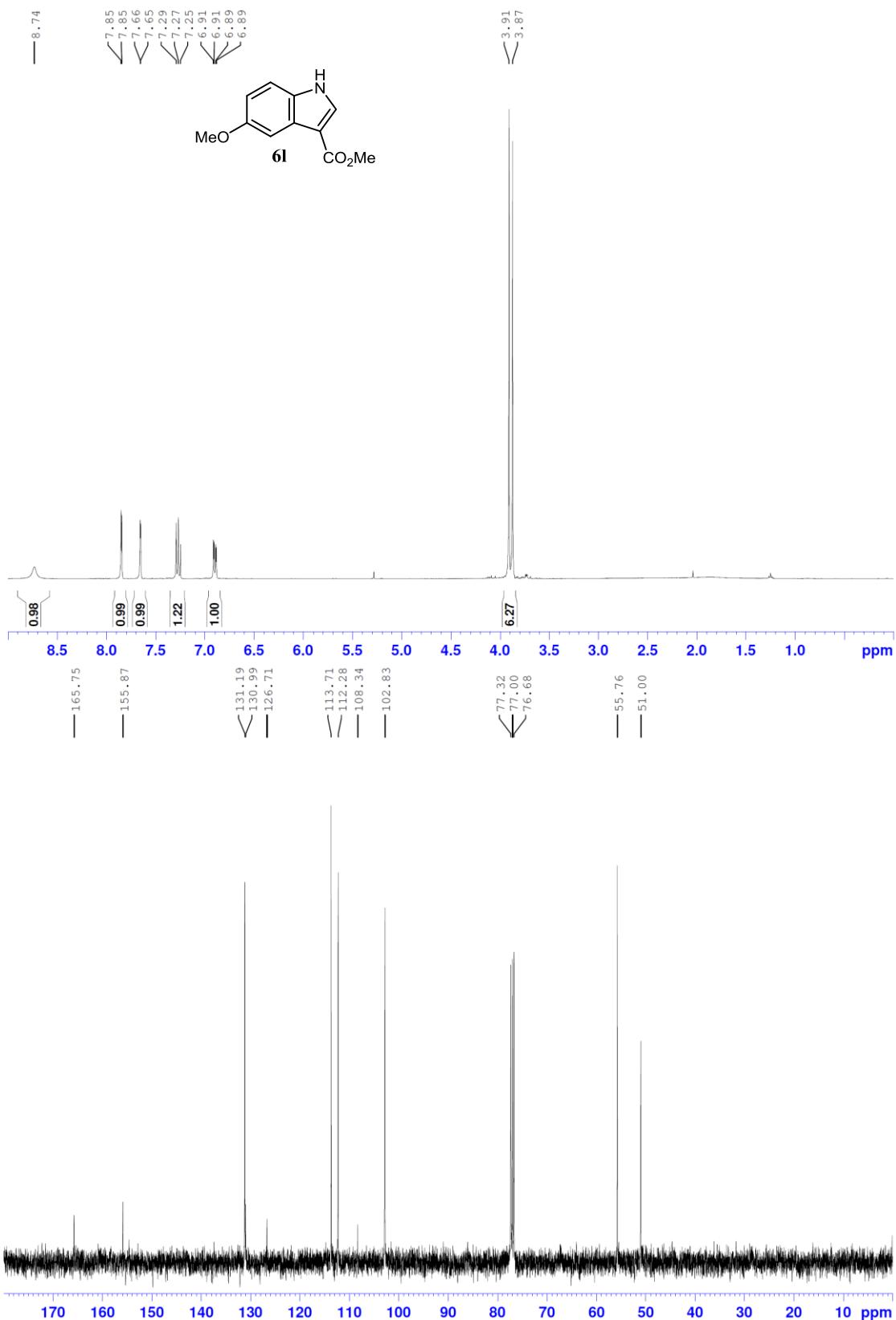


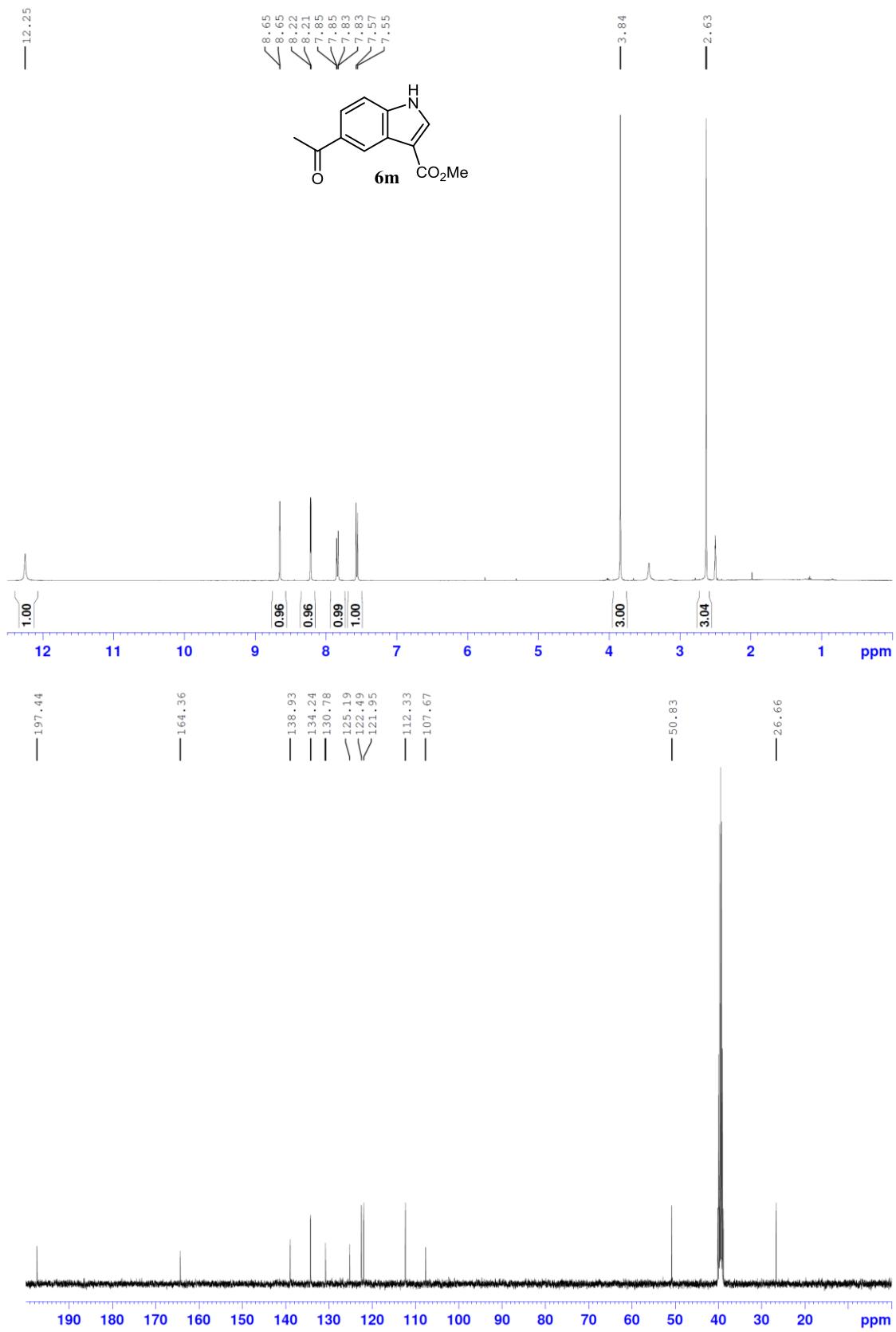


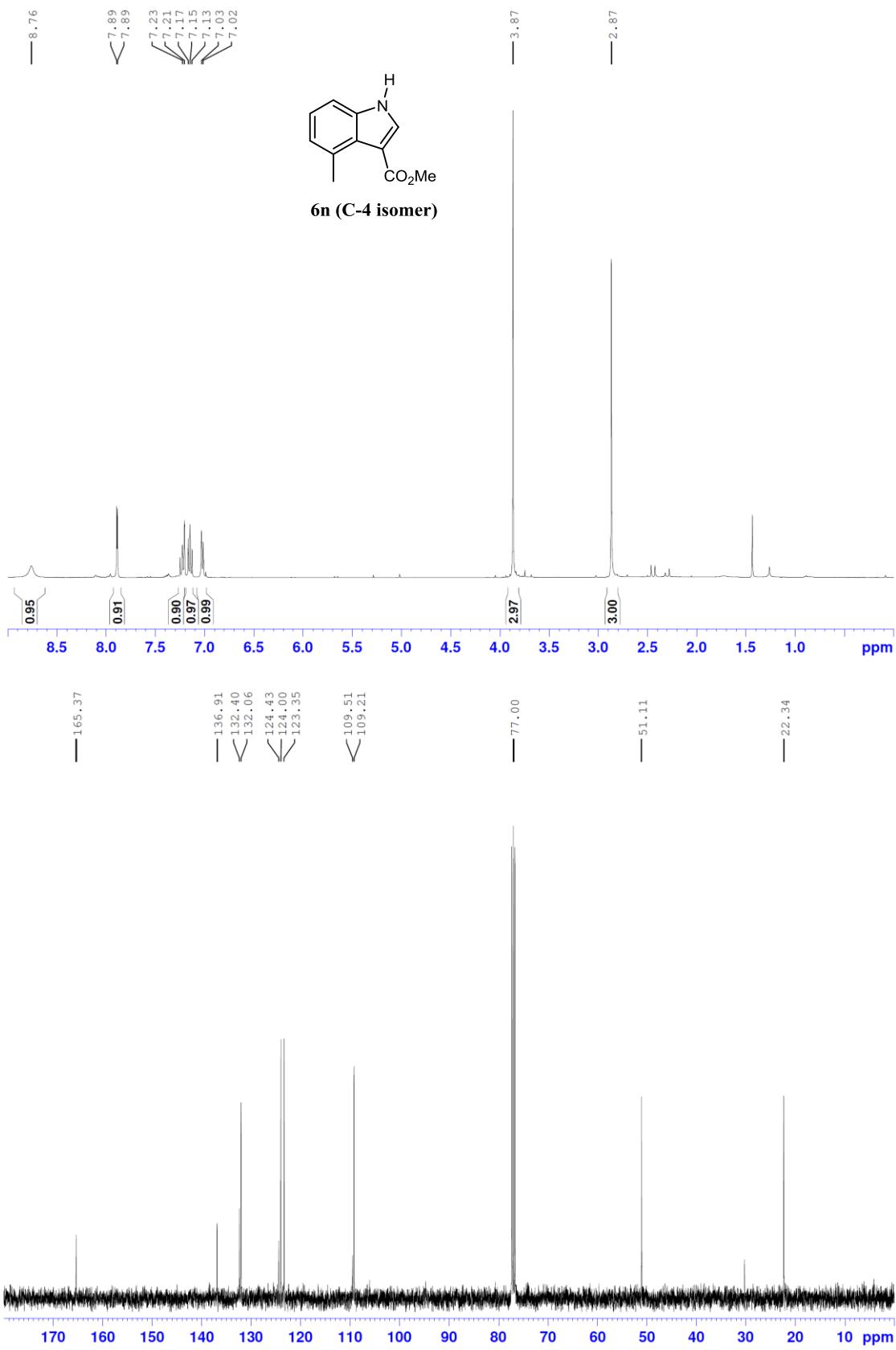


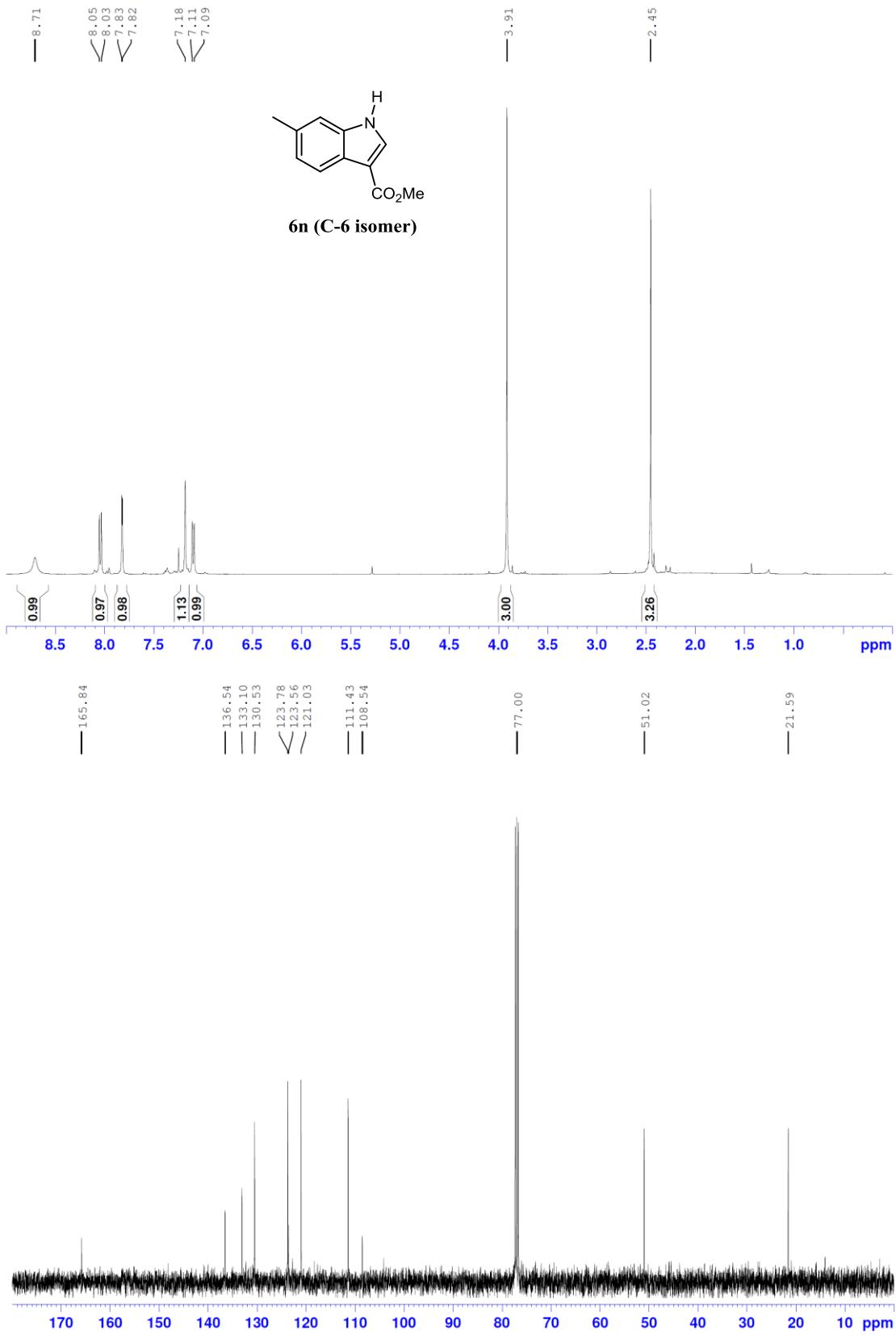


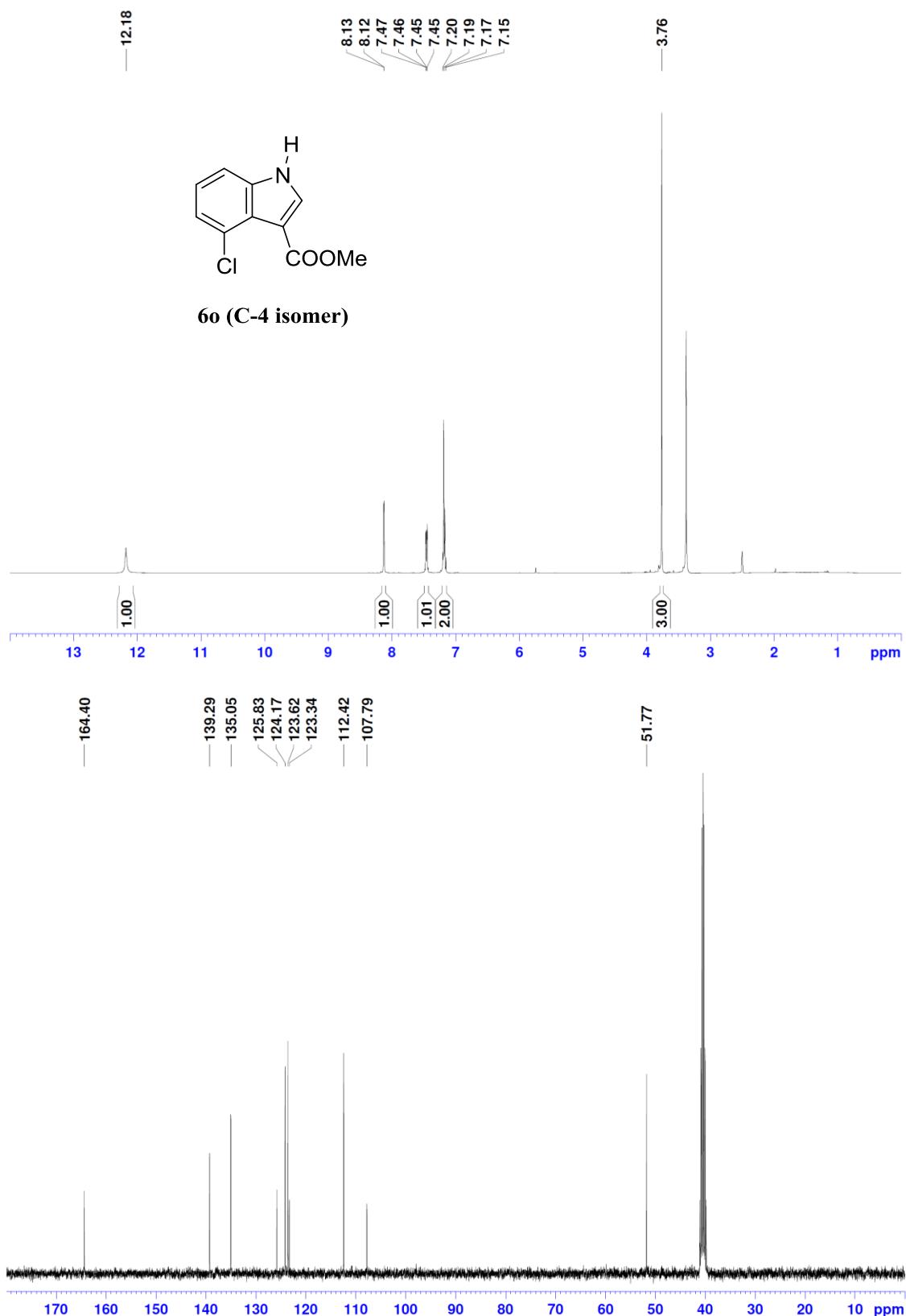


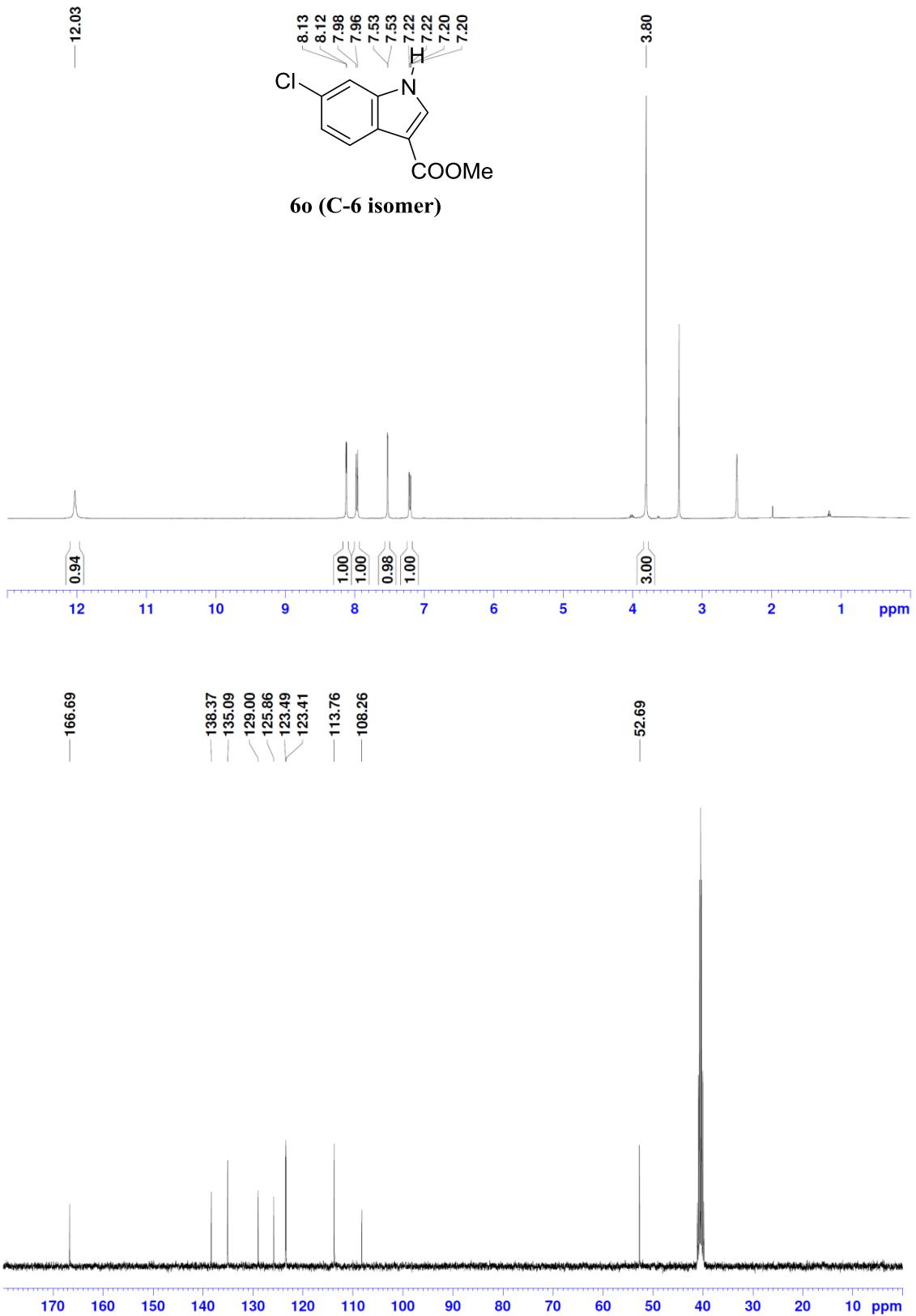


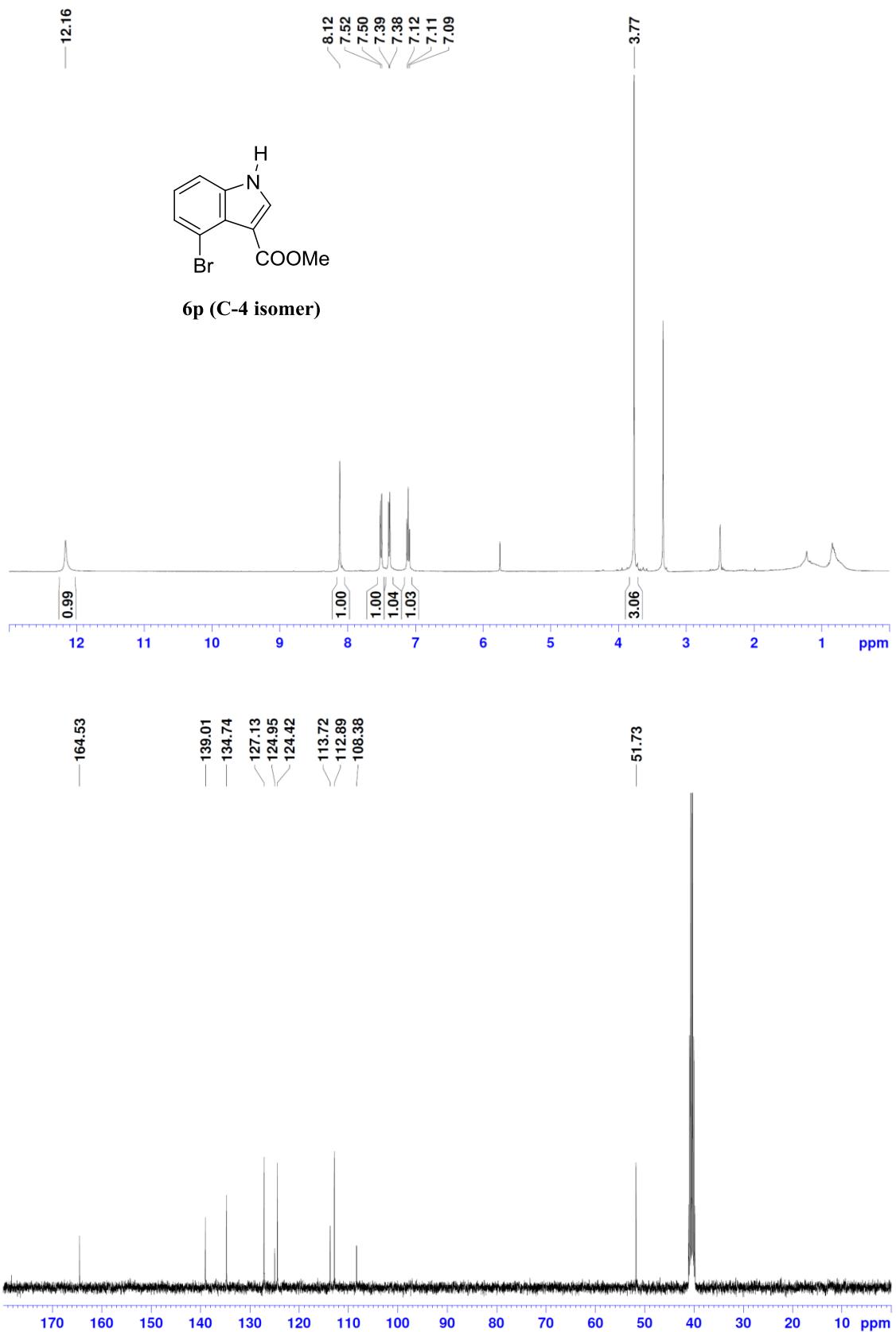


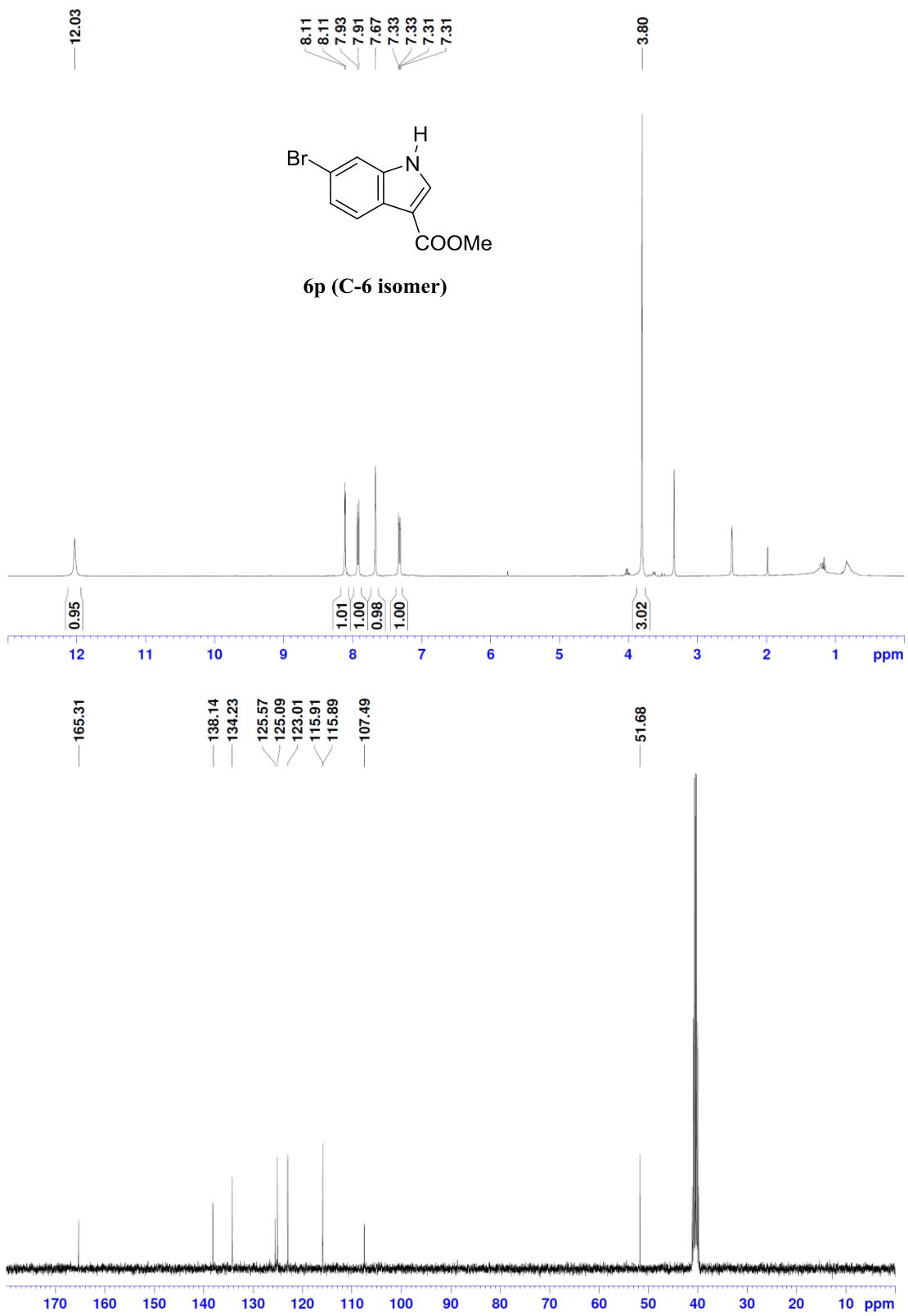


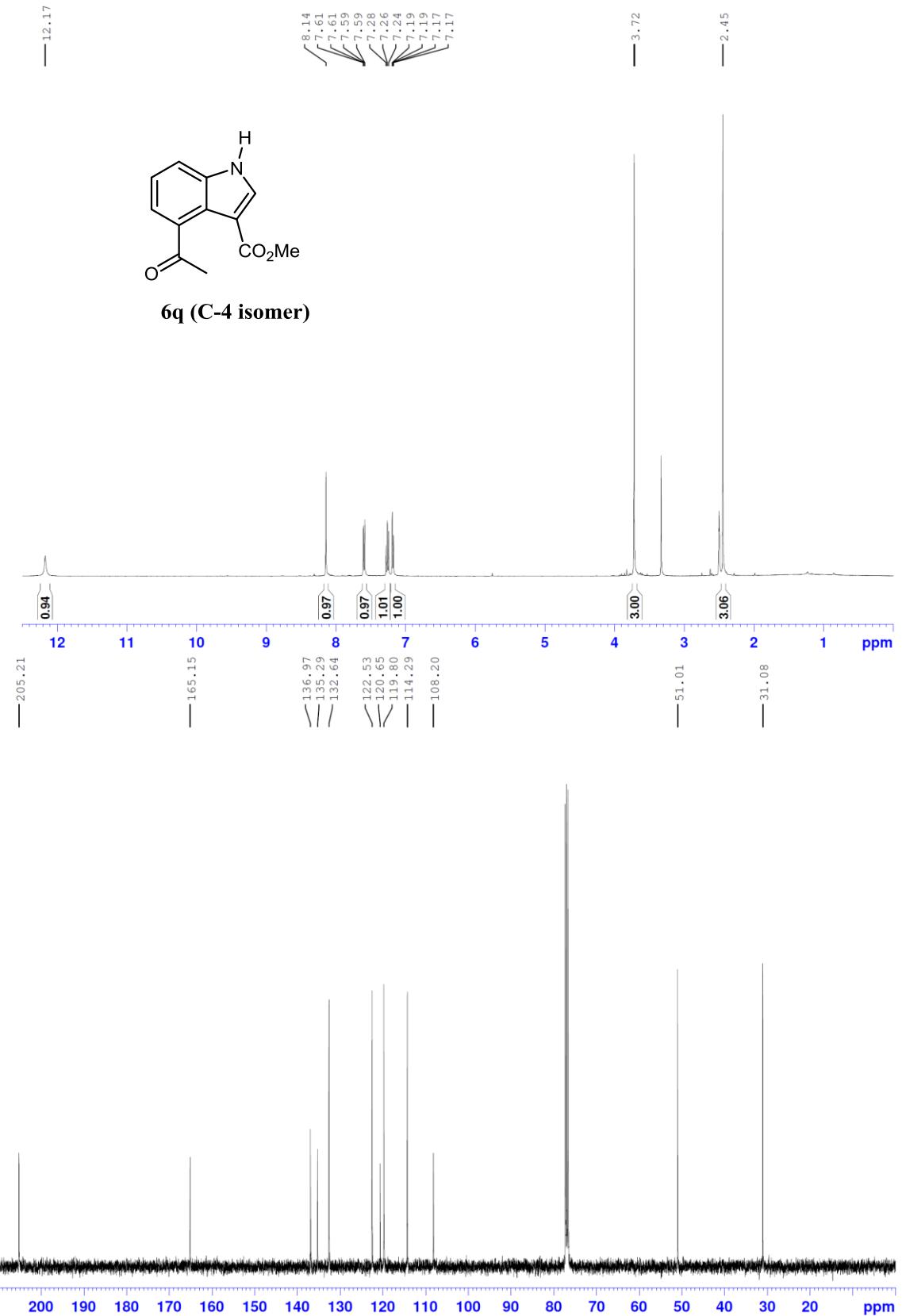


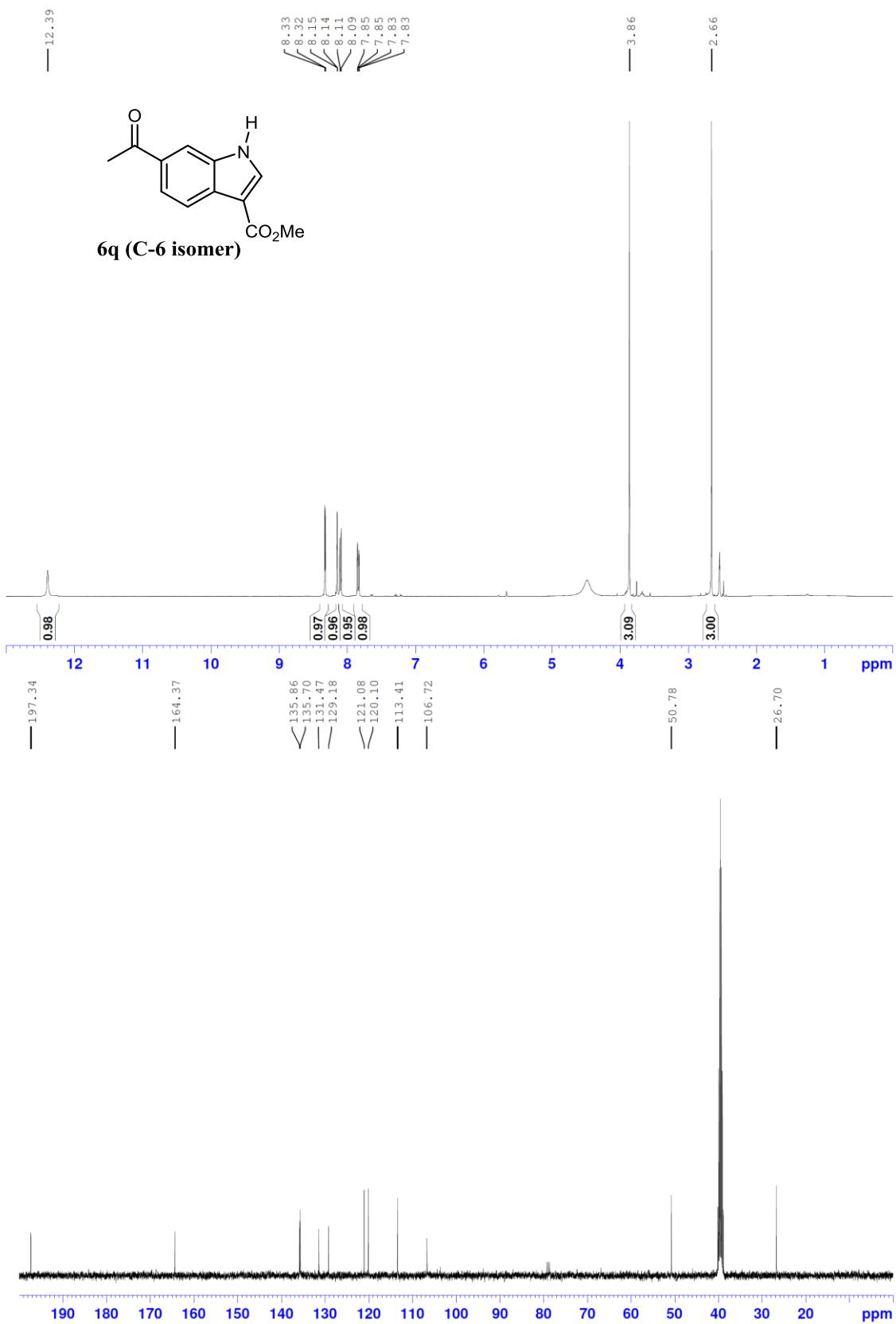


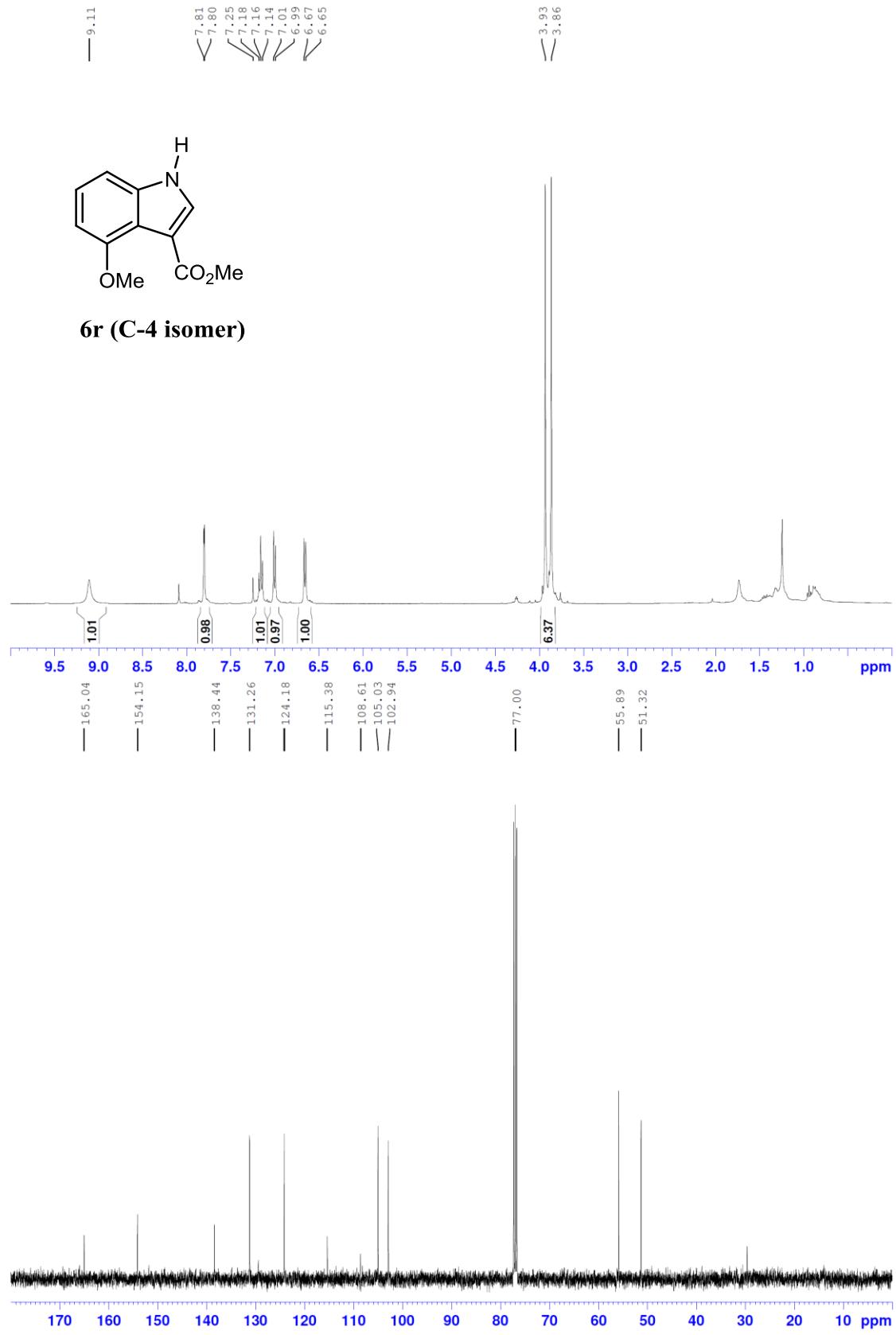


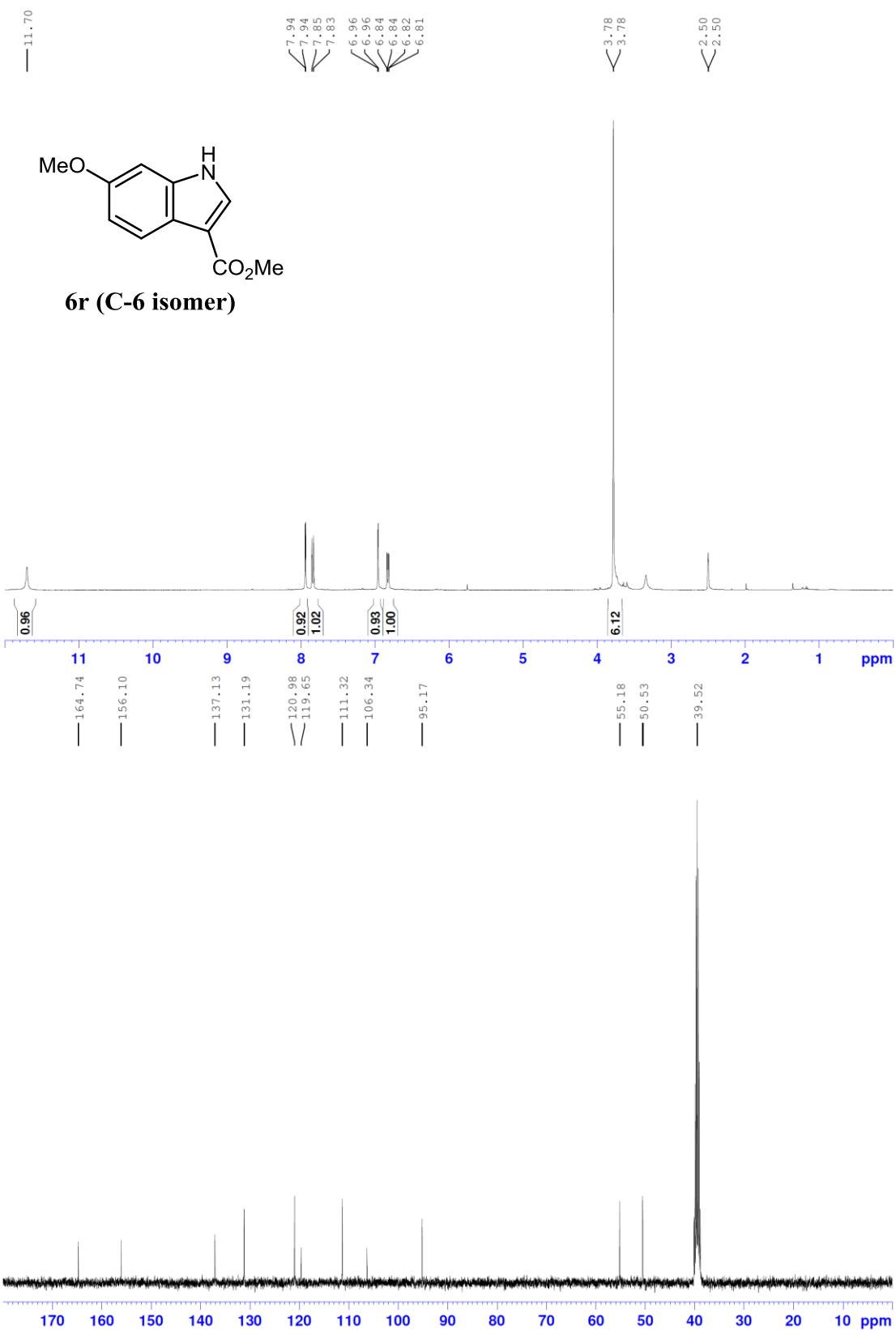


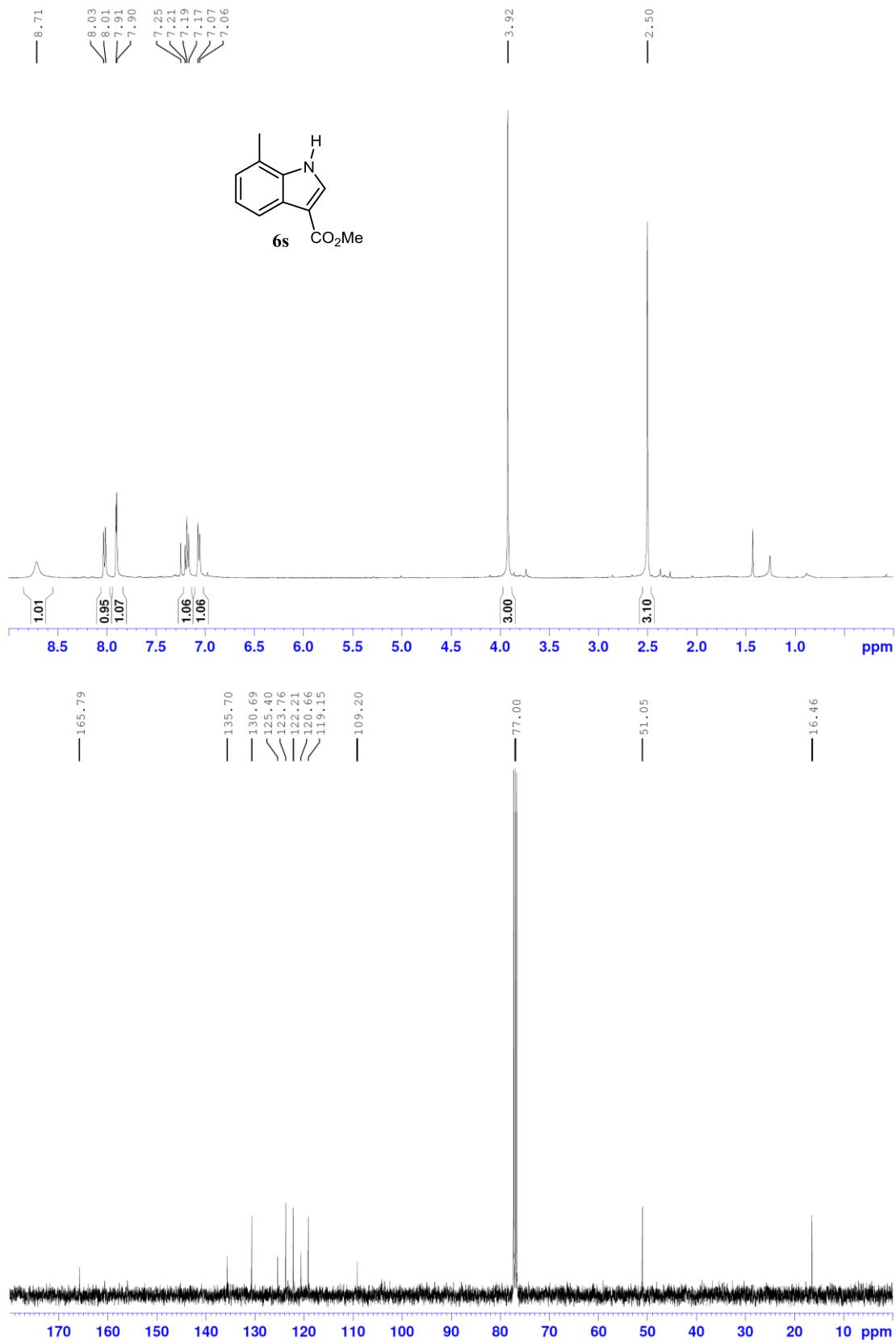


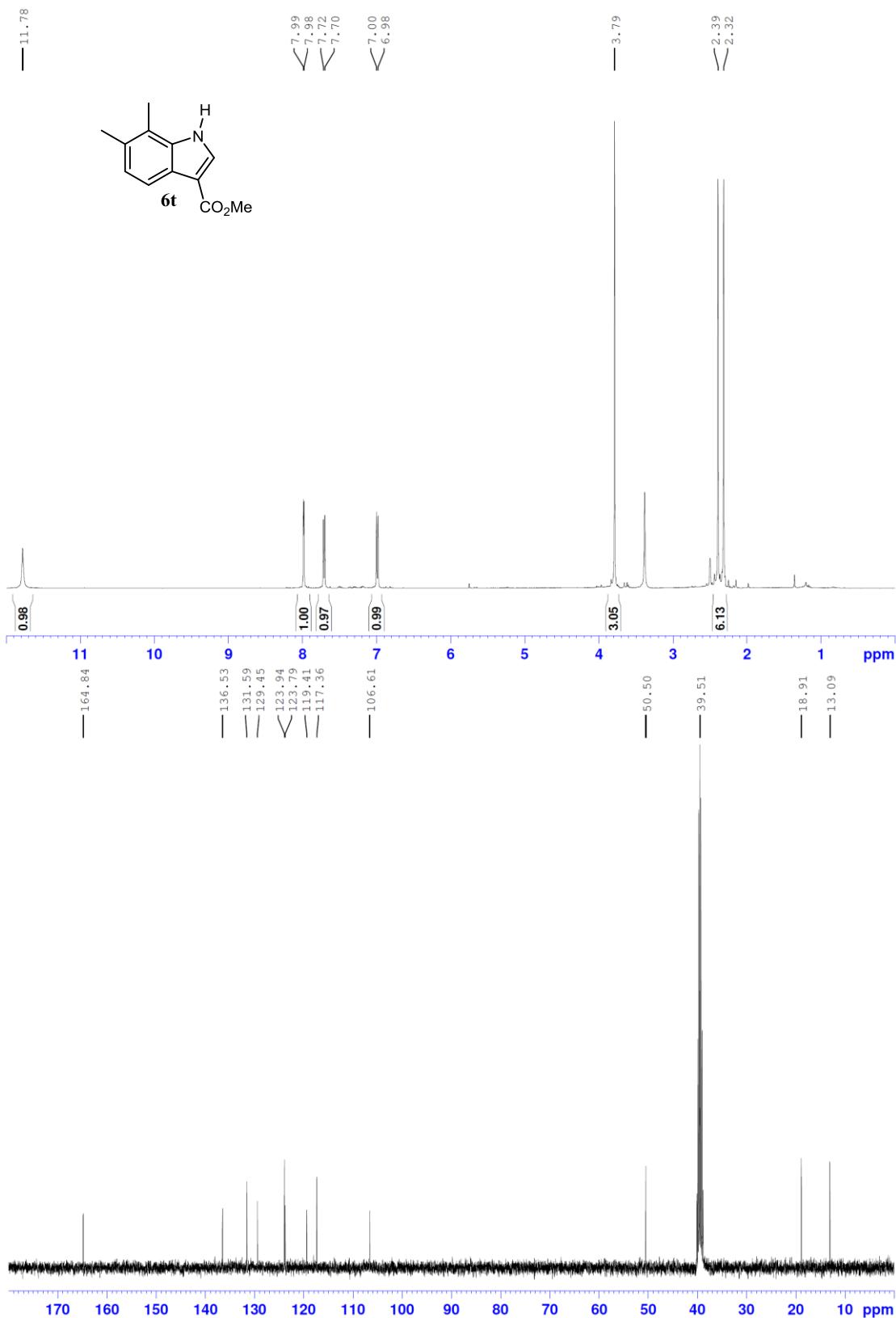


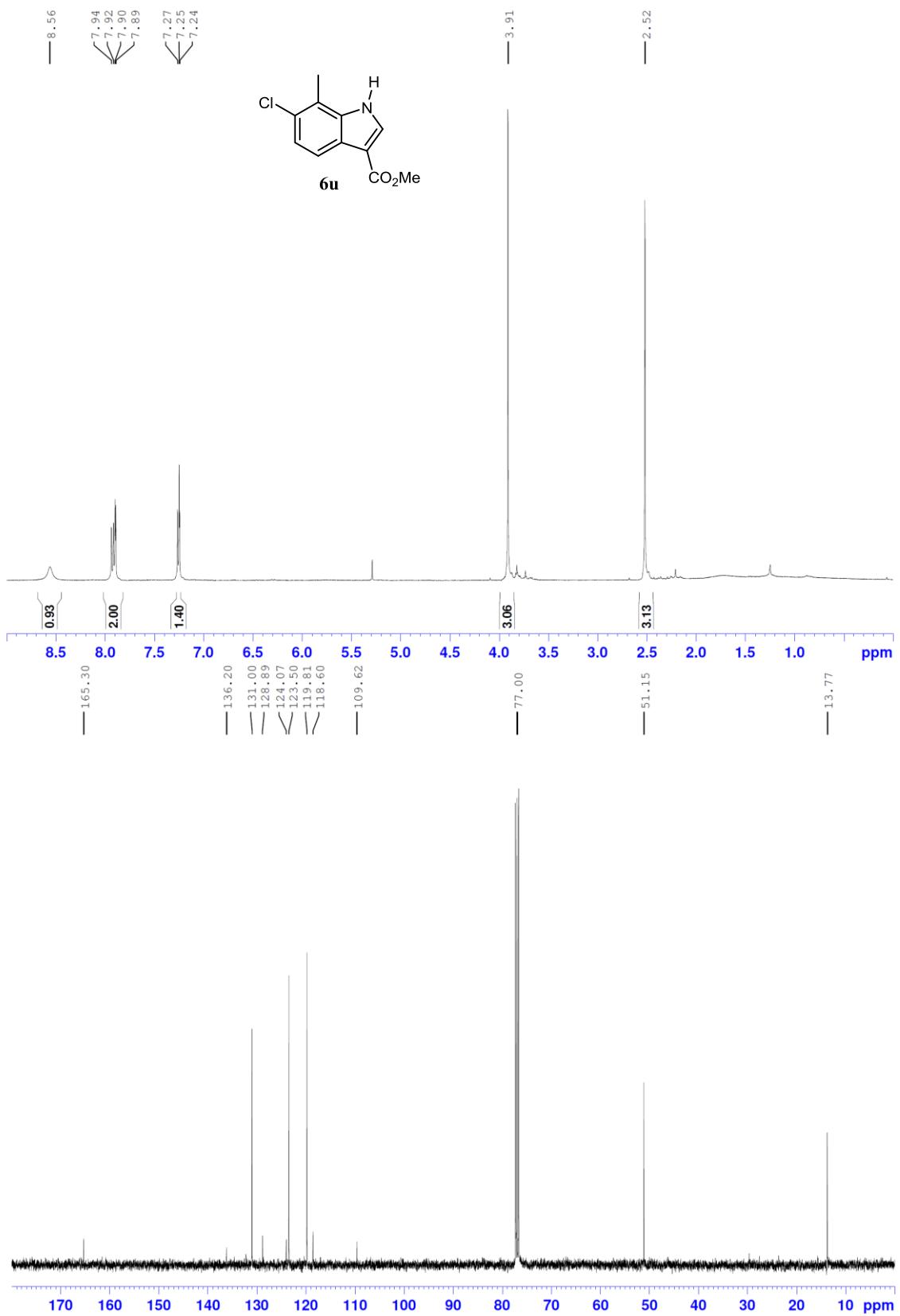


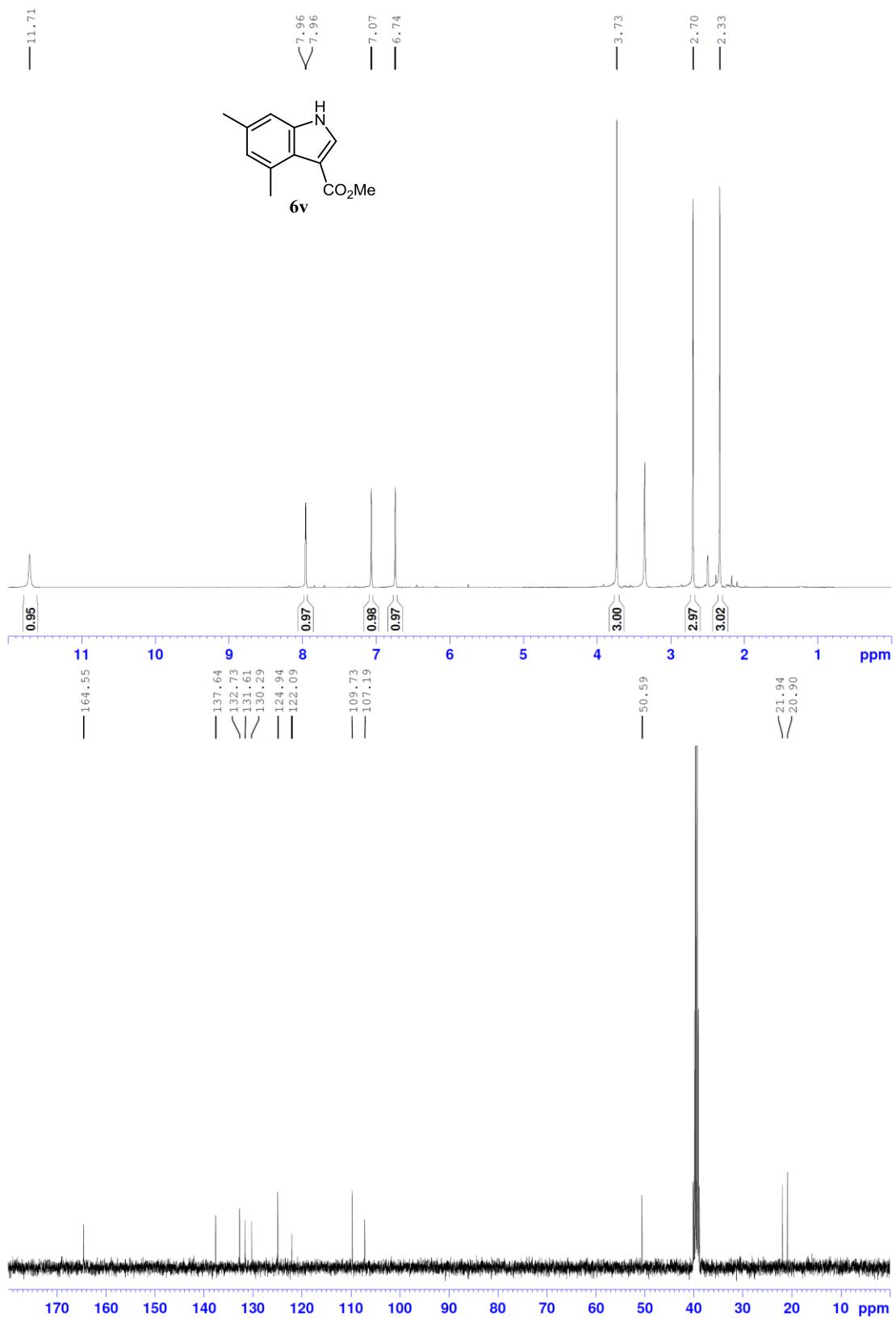


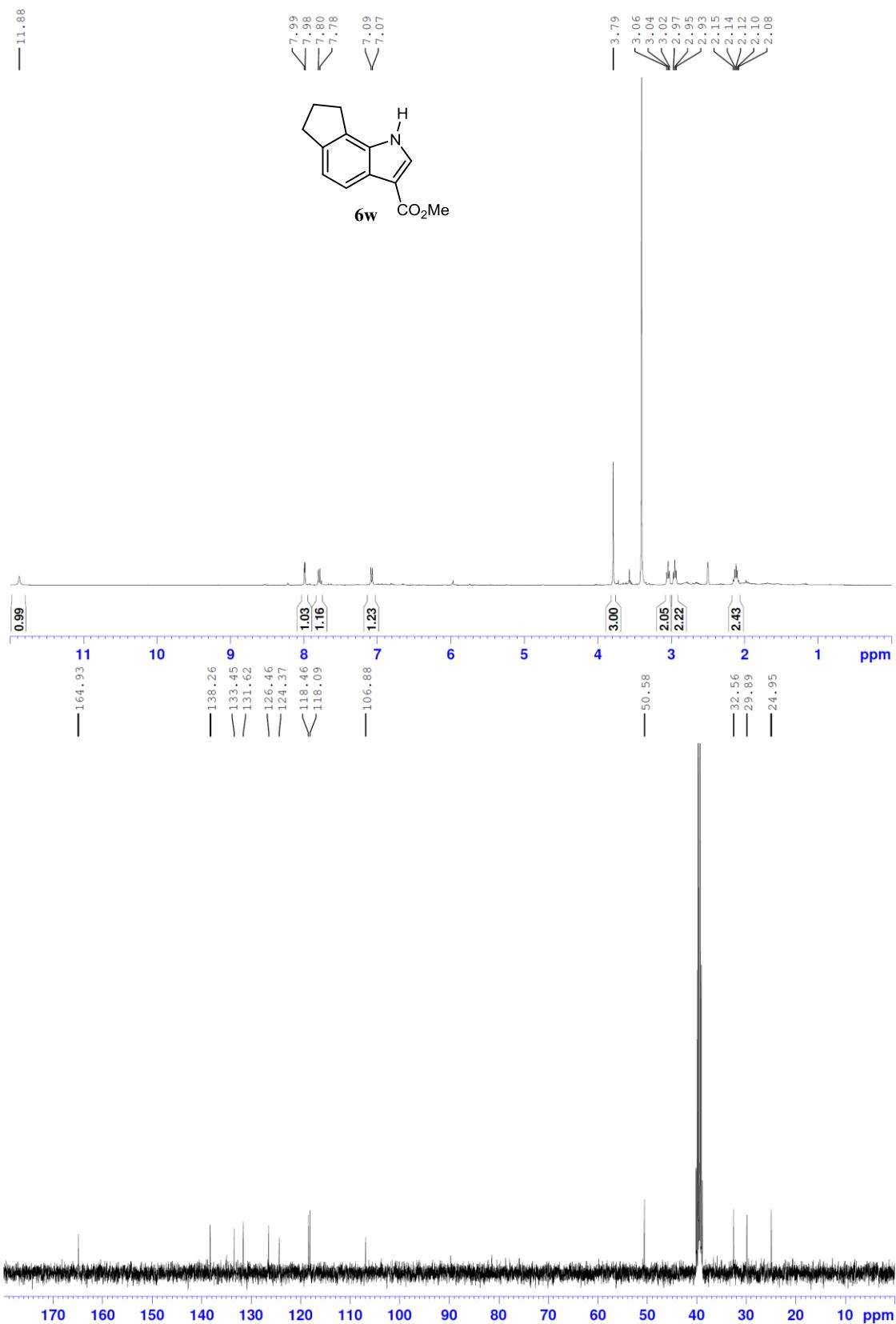


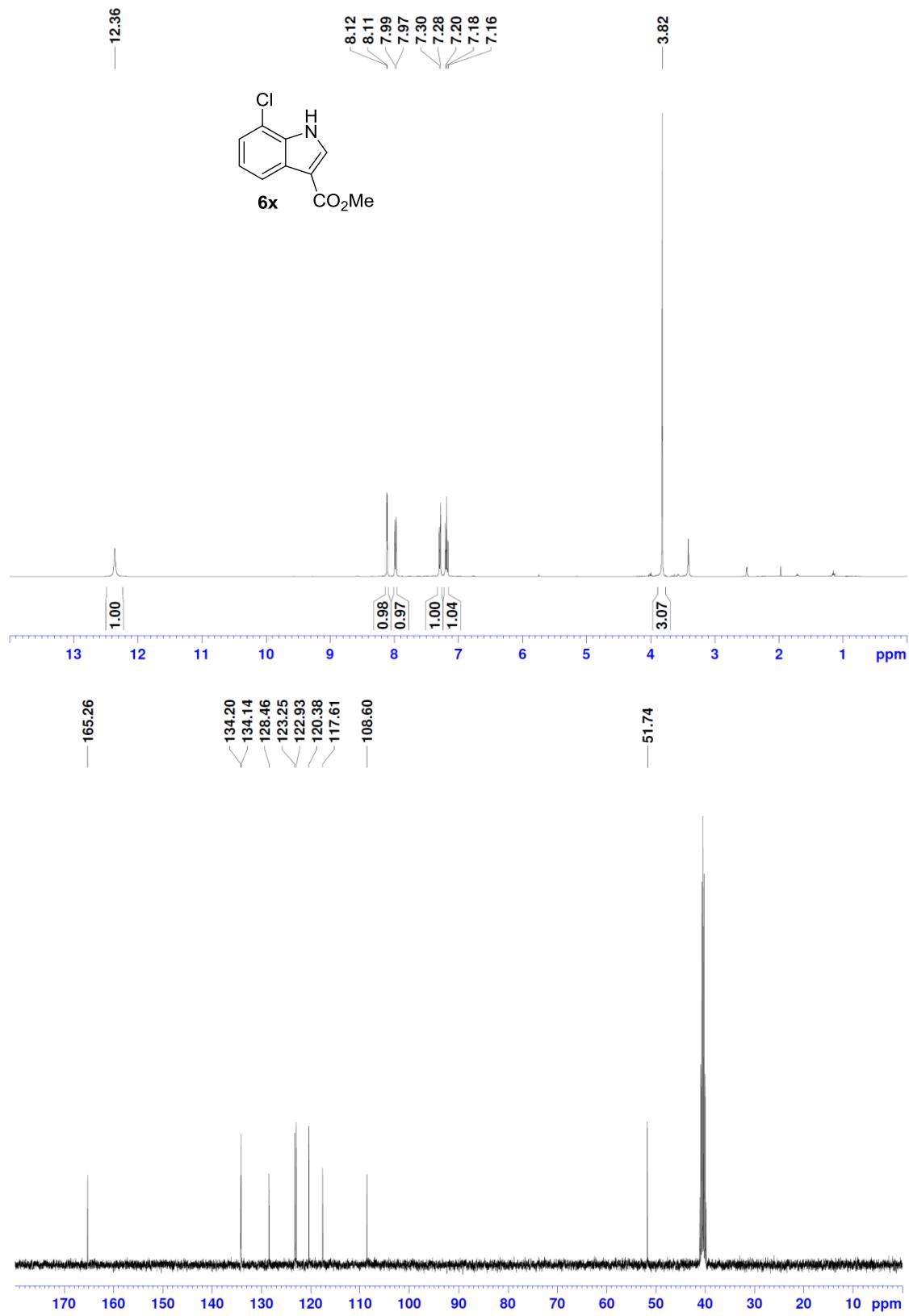


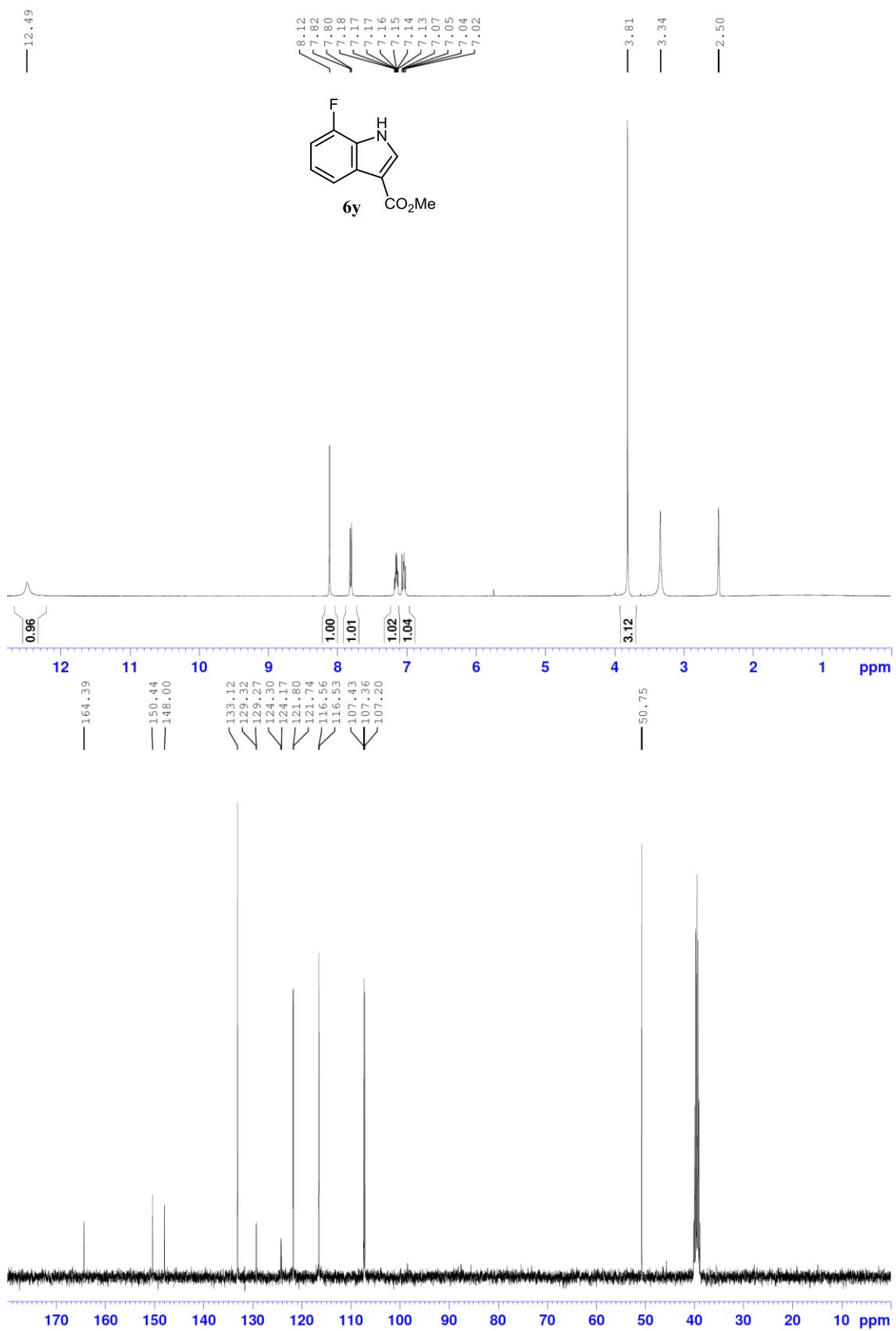


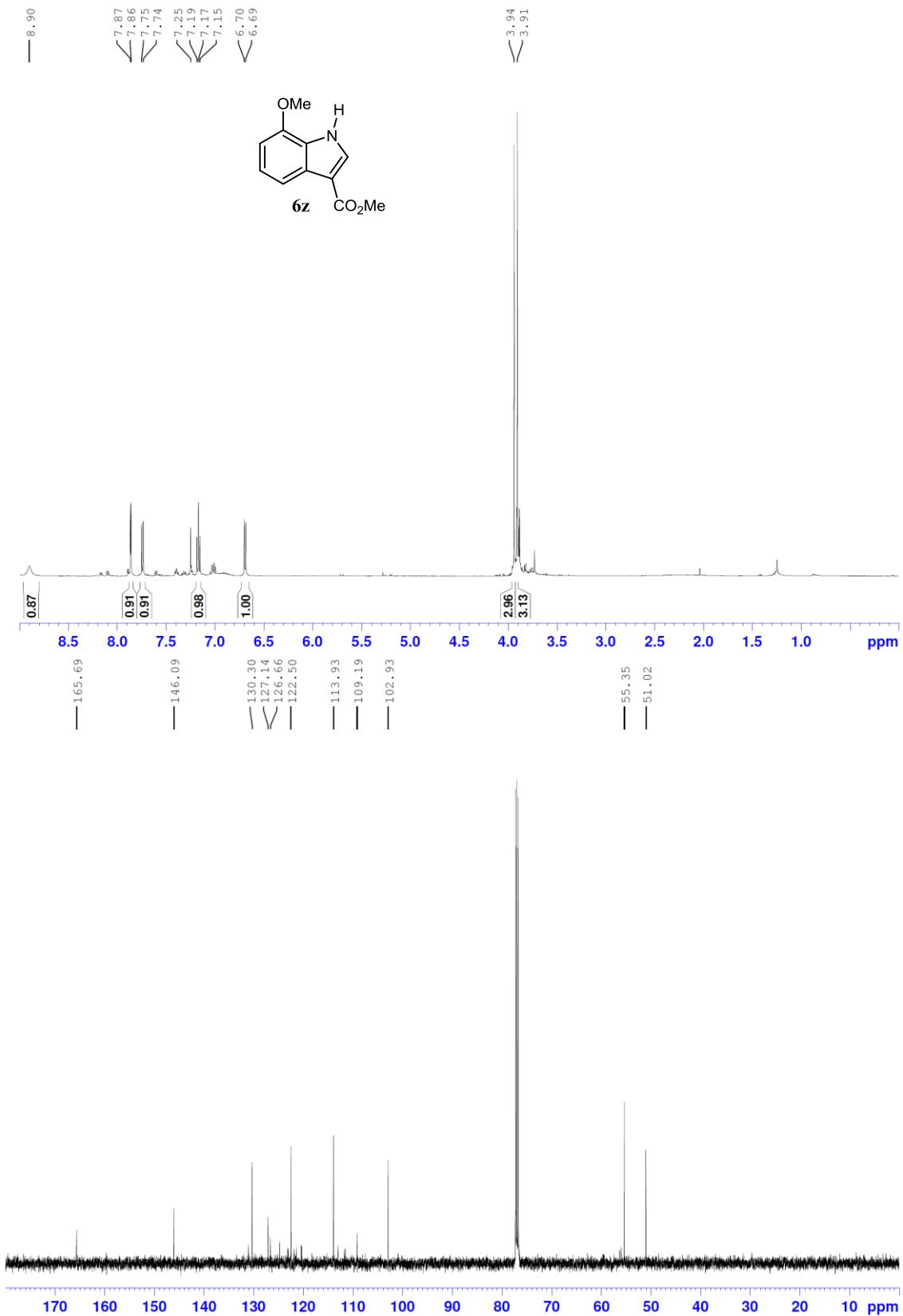


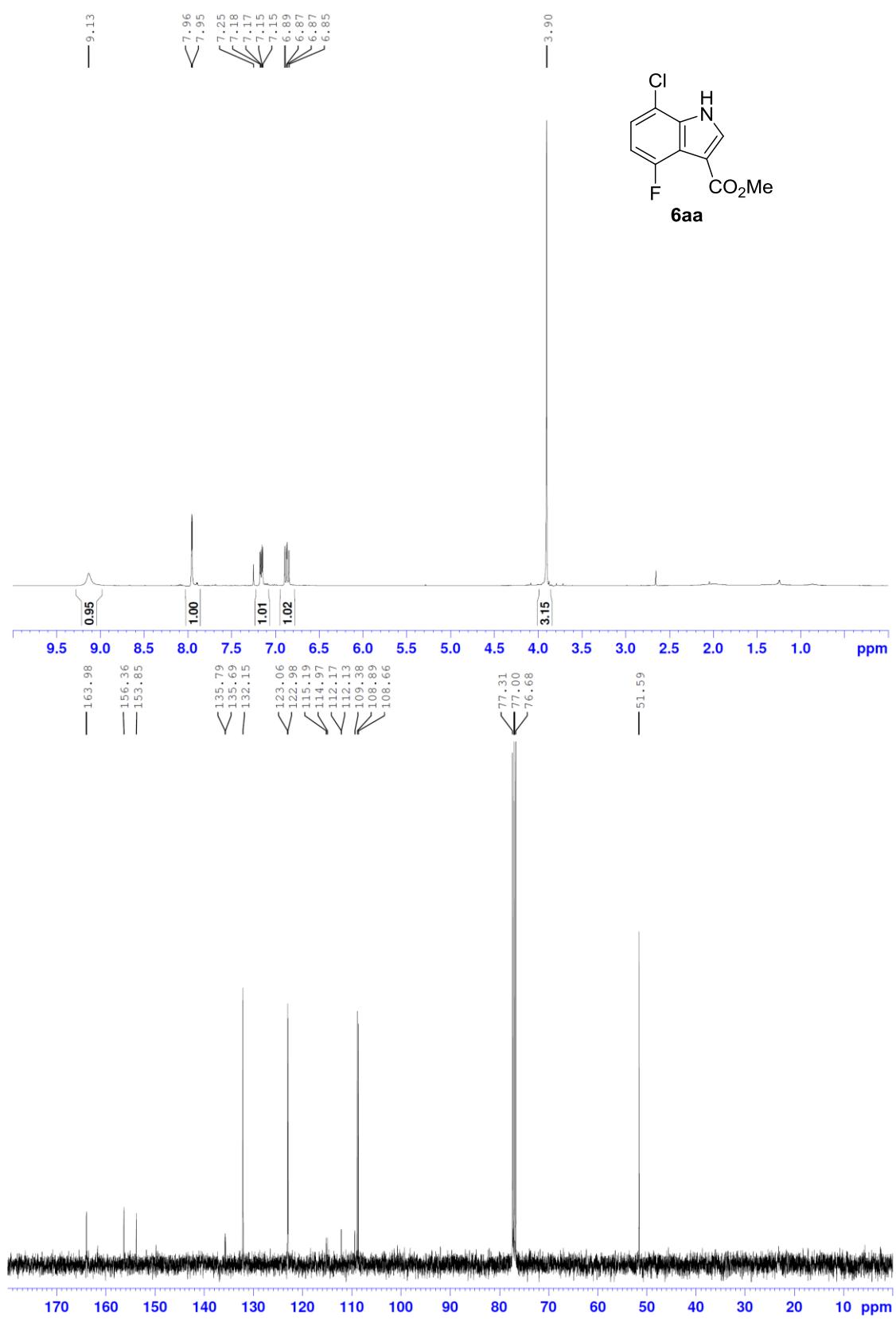


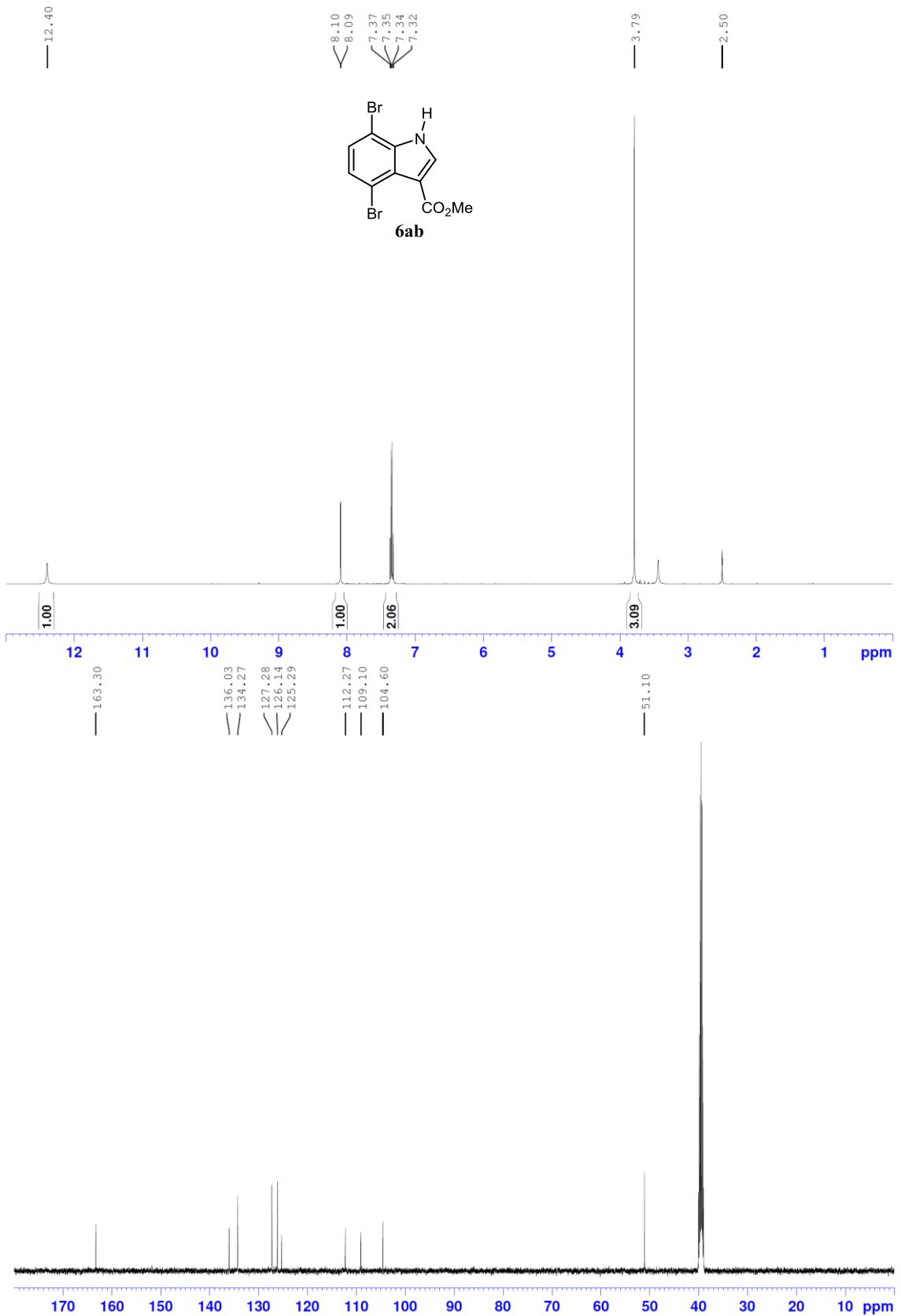


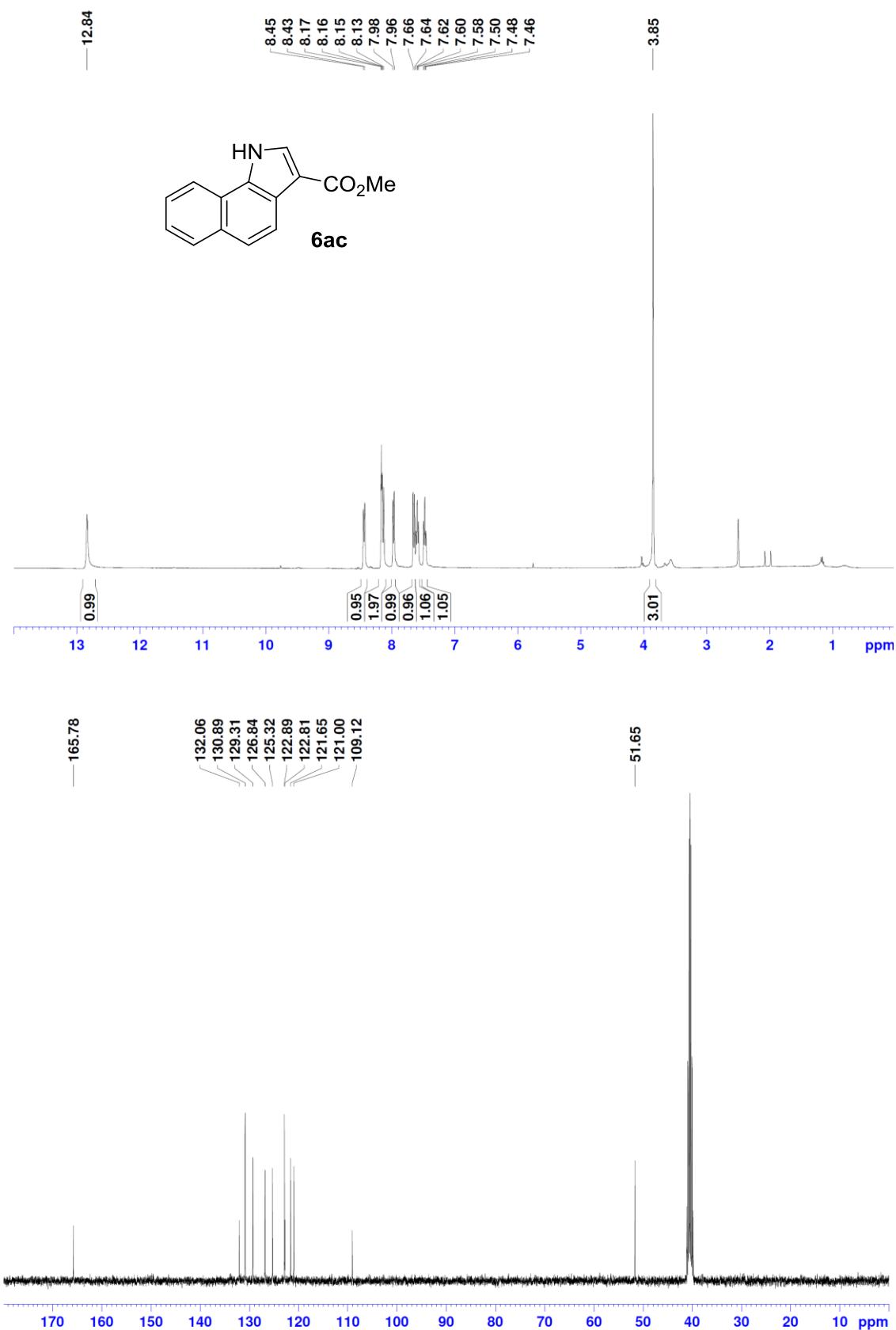


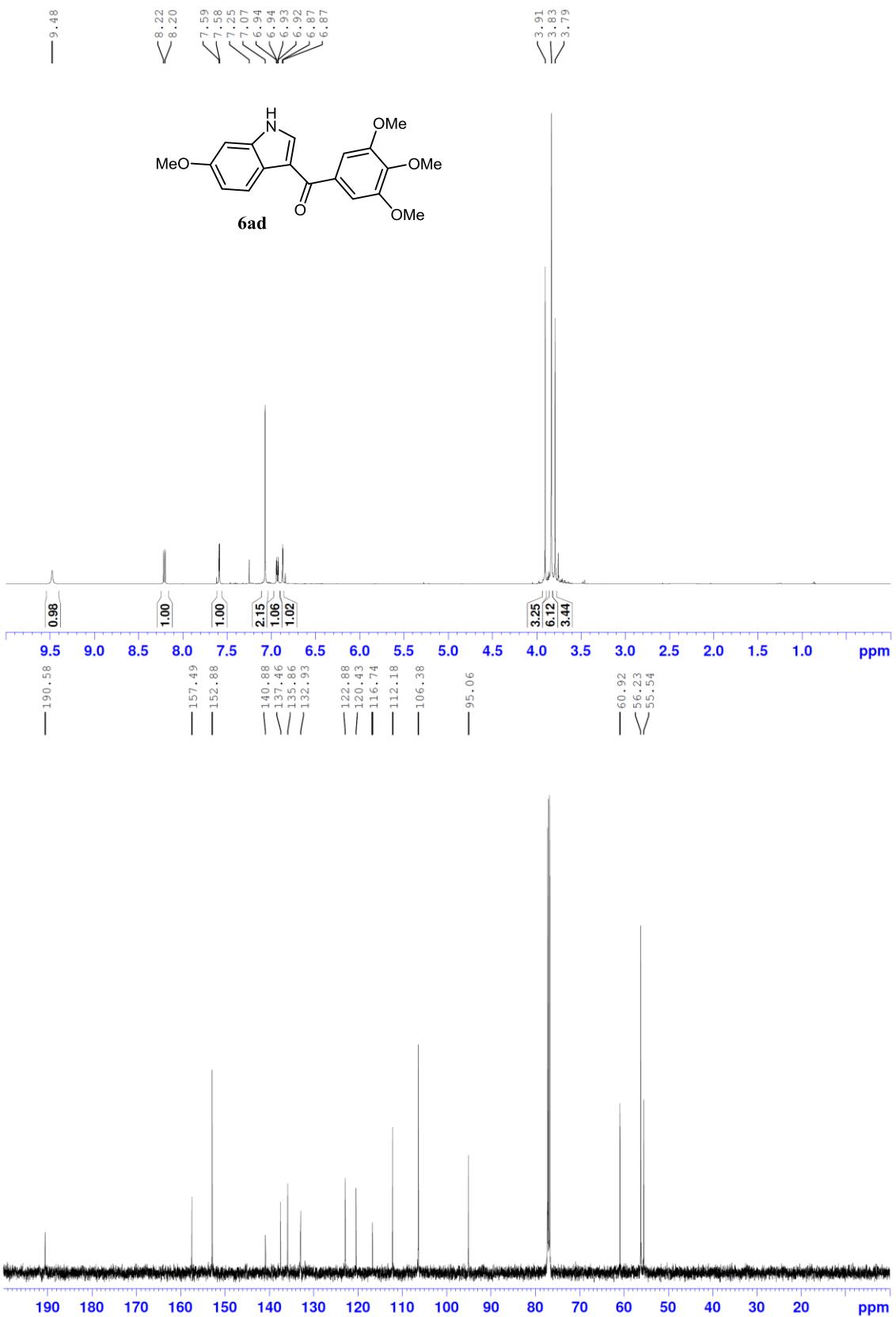


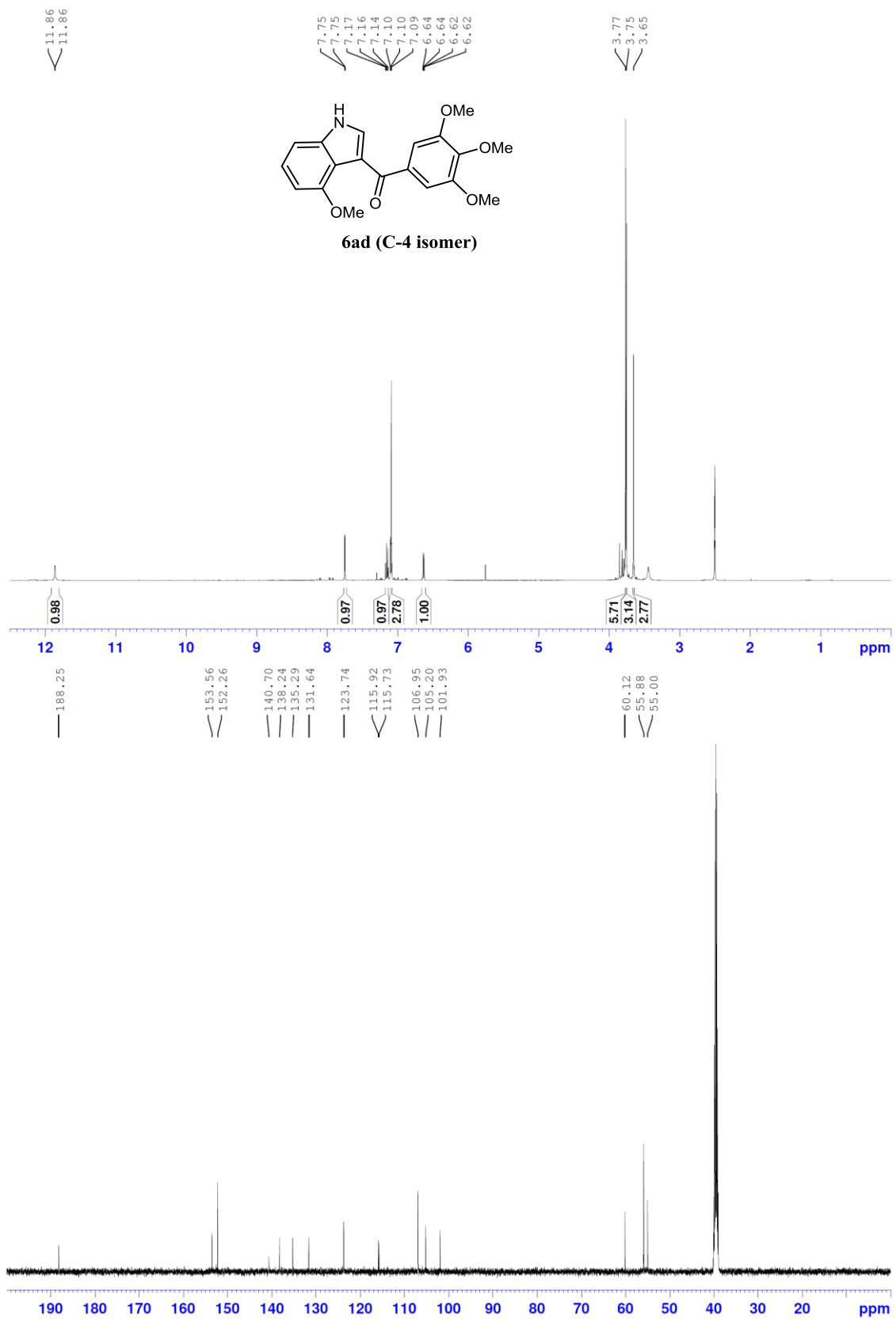


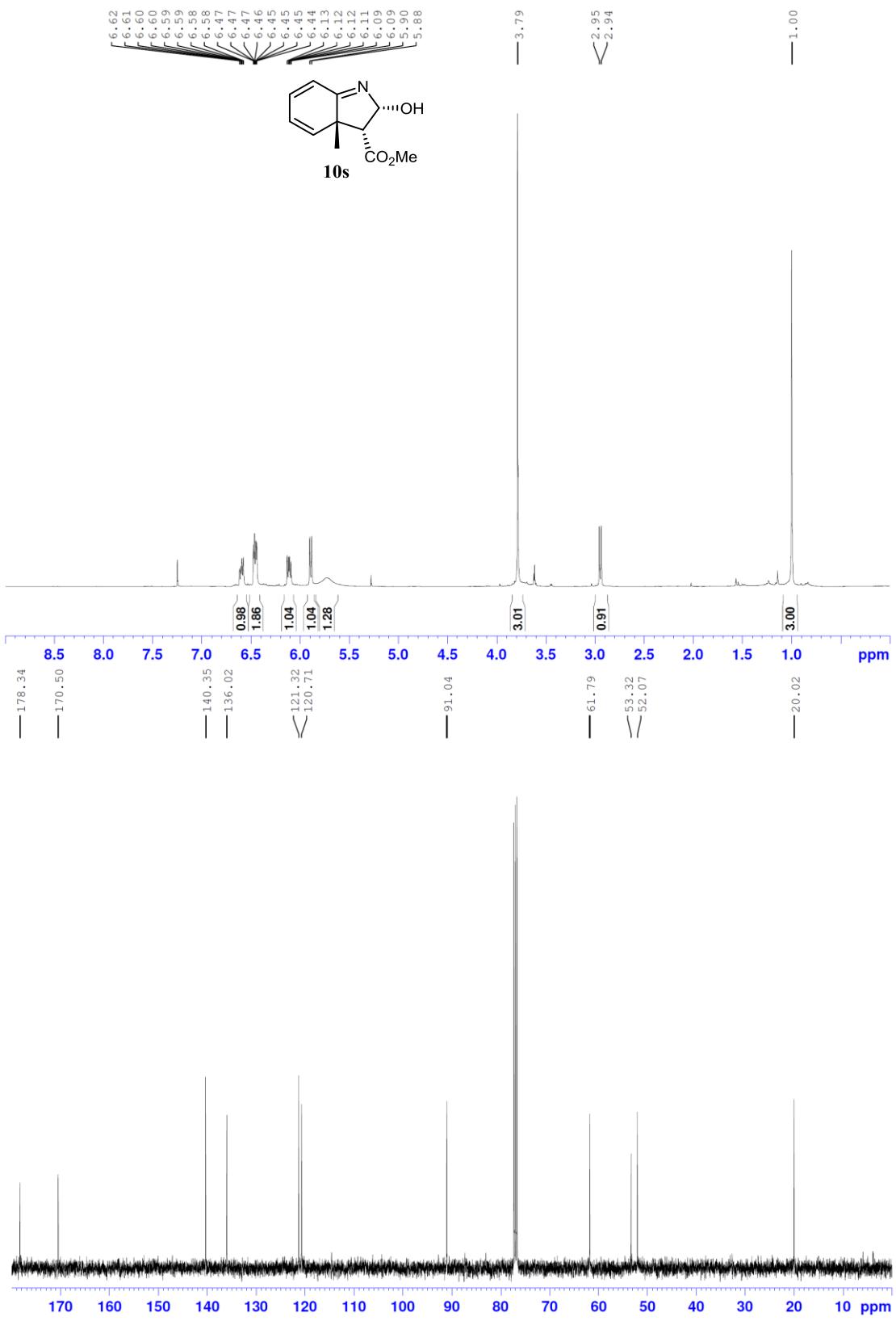


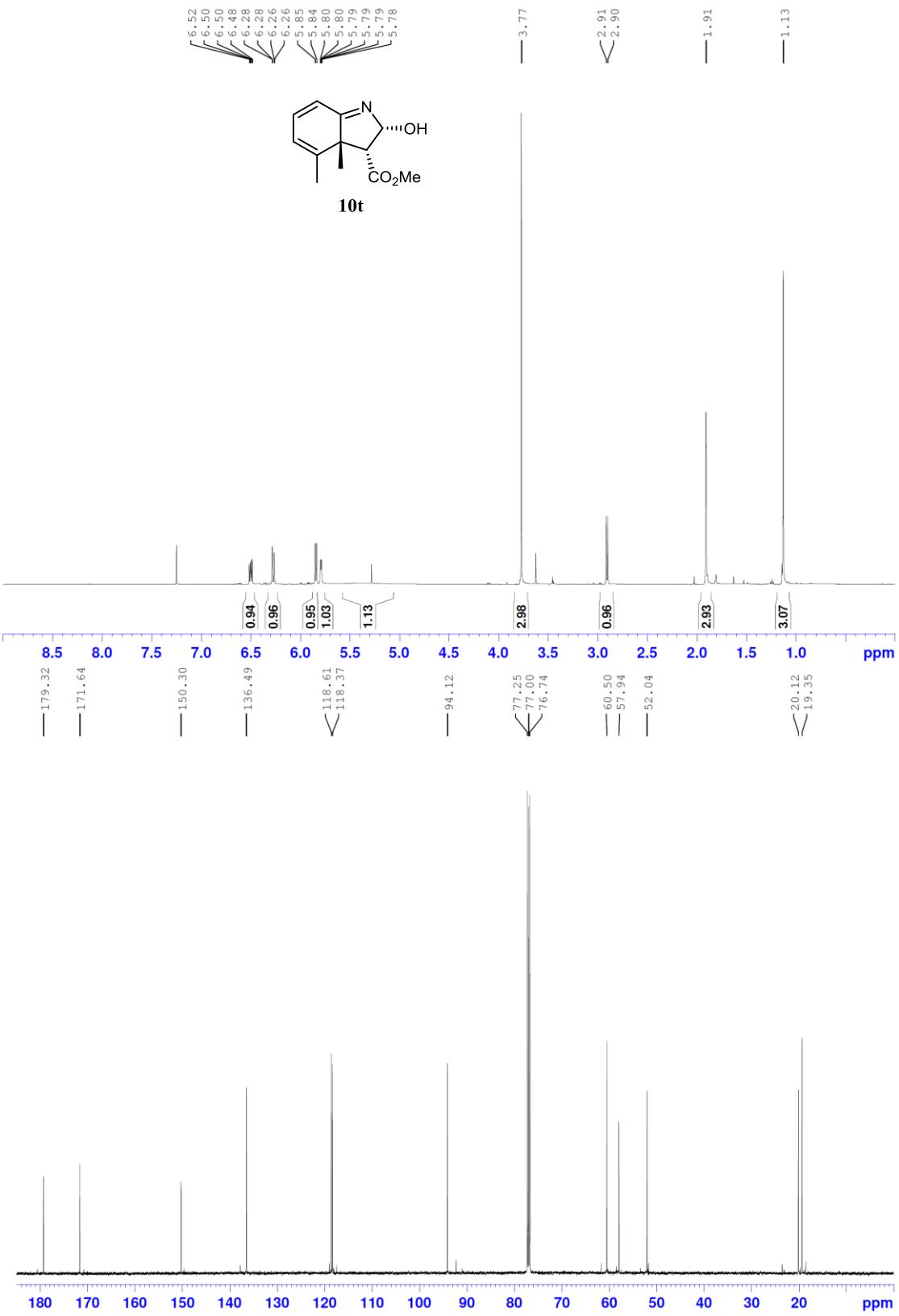


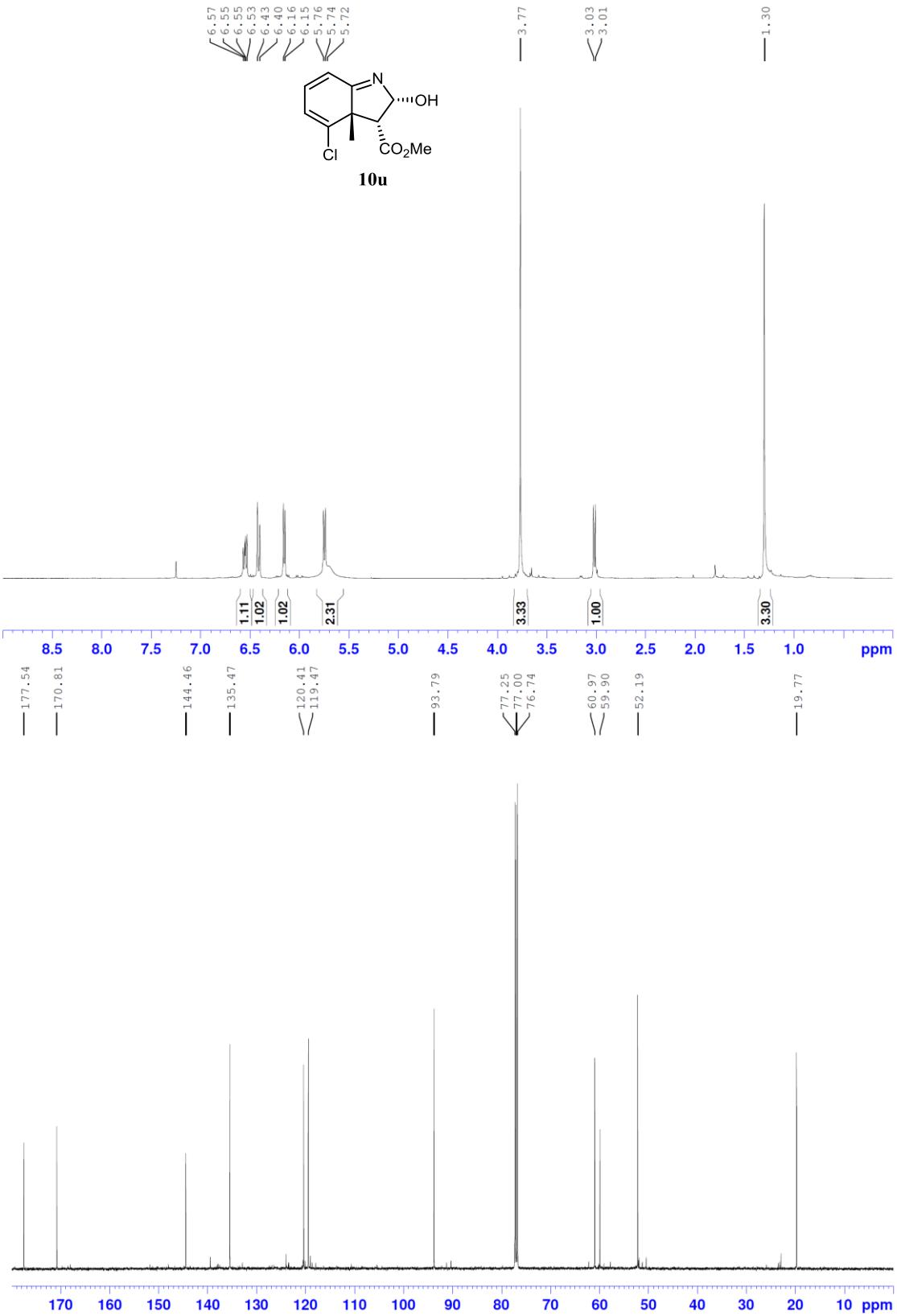




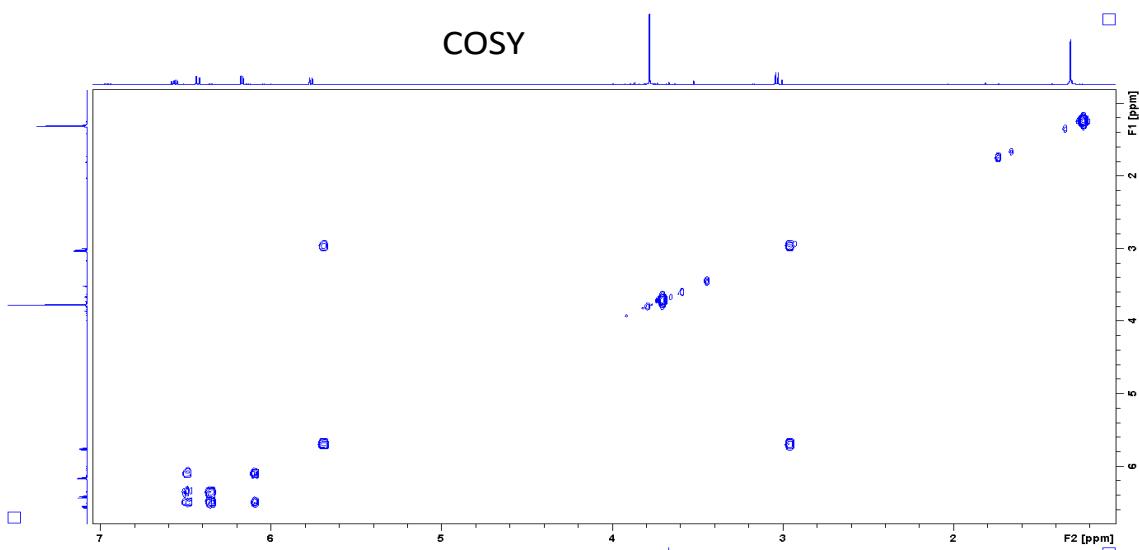




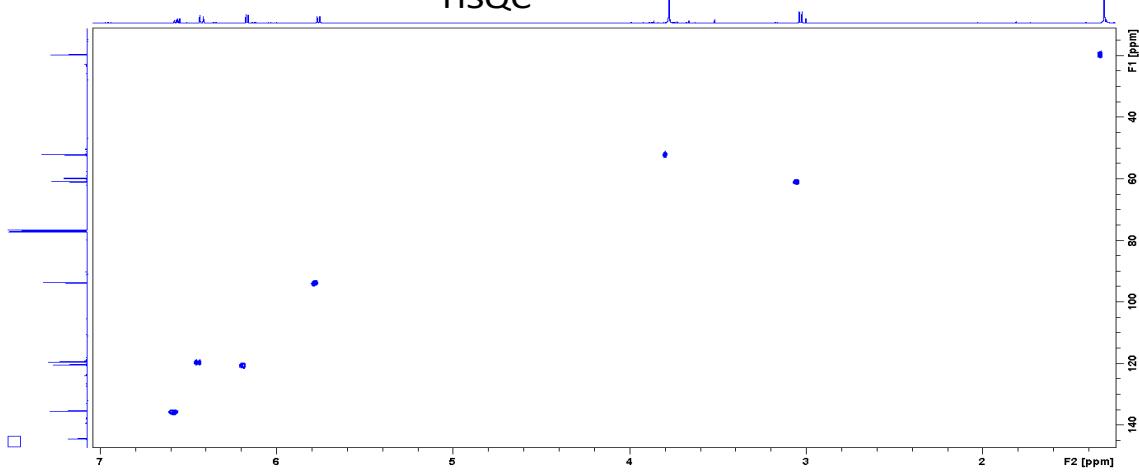




### COSY



### HSQC



### NOESY

