

## Supplementary Material

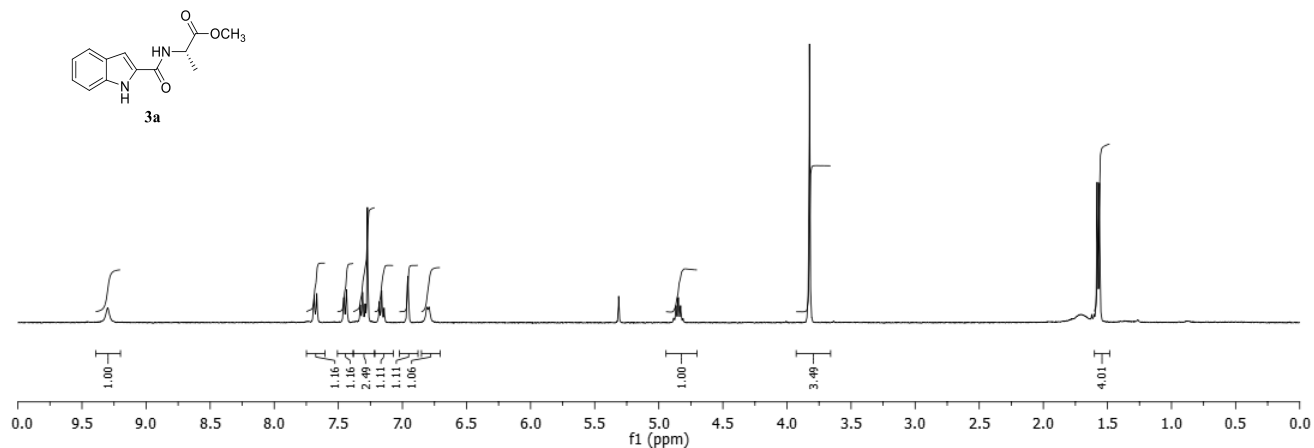
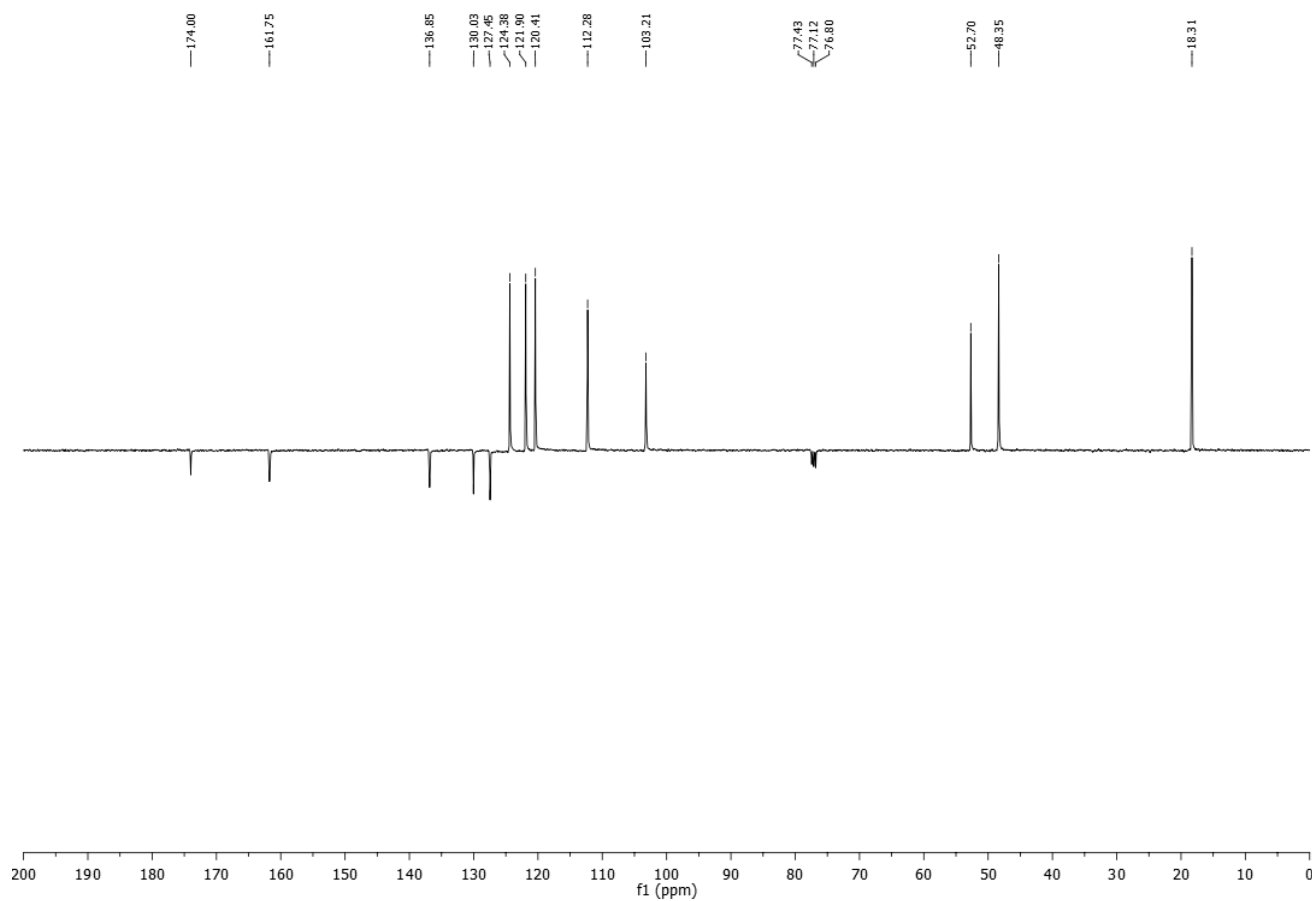
### Synthesis and biological evaluation of new indole and pyrrole carboxamides based on amino acids

Martina Palomba, Sara Pompei, Luca Roscini, and Luana Bagnoli\*

*Department of Pharmaceutical Sciences  
University of Perugia, Via del Liceo 1, 06123 Perugia, Italy  
Email: [luana.bagnoli@unipg.it](mailto:luana.bagnoli@unipg.it)*

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**Figure 1:**  $^1\text{H}$ NMR spectrum ( $\text{CDCl}_3$ , 400MHz) (**3a**)**Figure 2:**  $^{13}\text{C}$ NMR spectrum ( $\text{CDCl}_3$ , 100MHz) (**3a**)

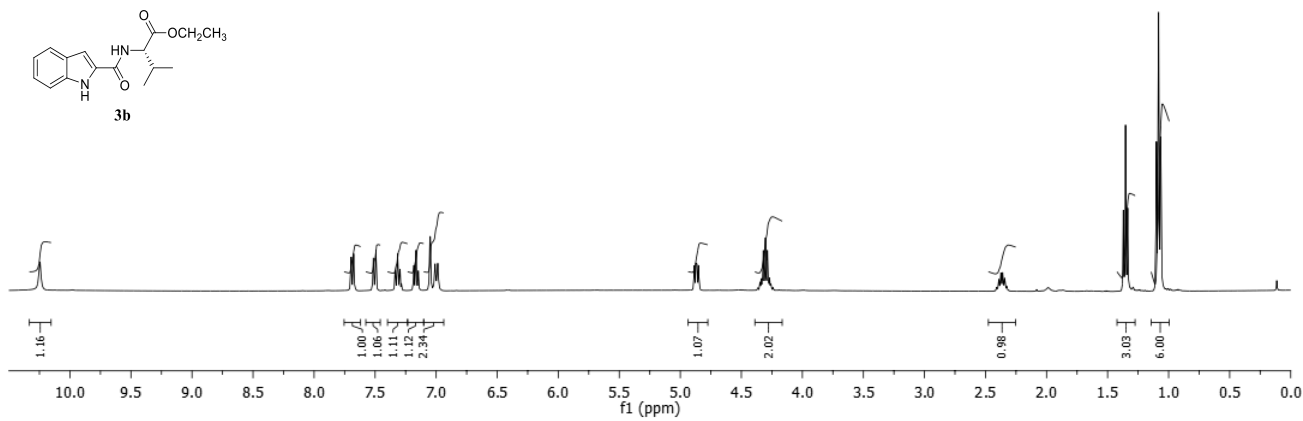
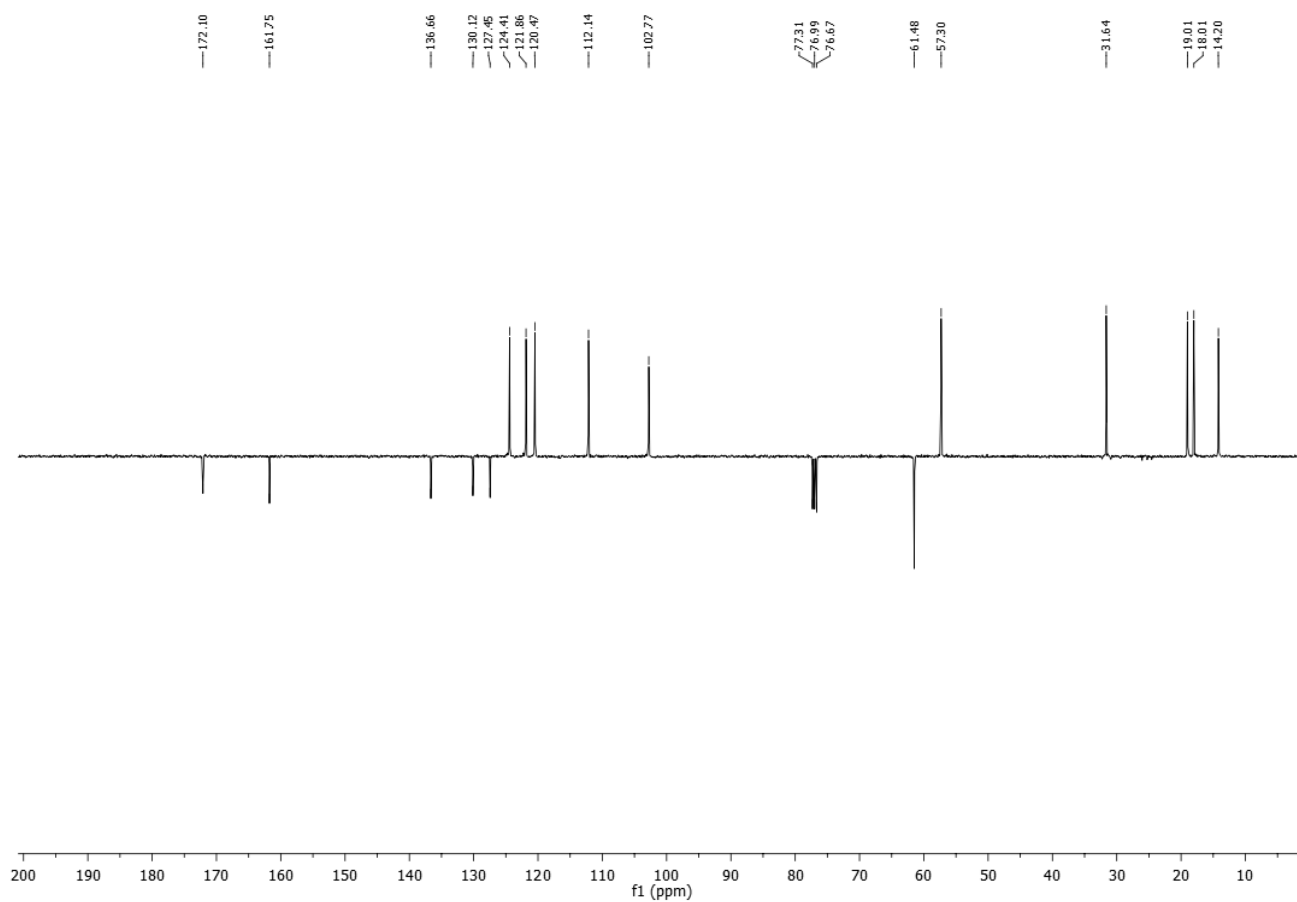
**Figure 3:**  $^1\text{H}$ NMR spectrum ( $\text{CDCl}_3$ , 400MHz) (**3b**)**Figure 4:**  $^{13}\text{C}$ NMR spectrum ( $\text{CDCl}_3$ , 100MHz) (**3b**)

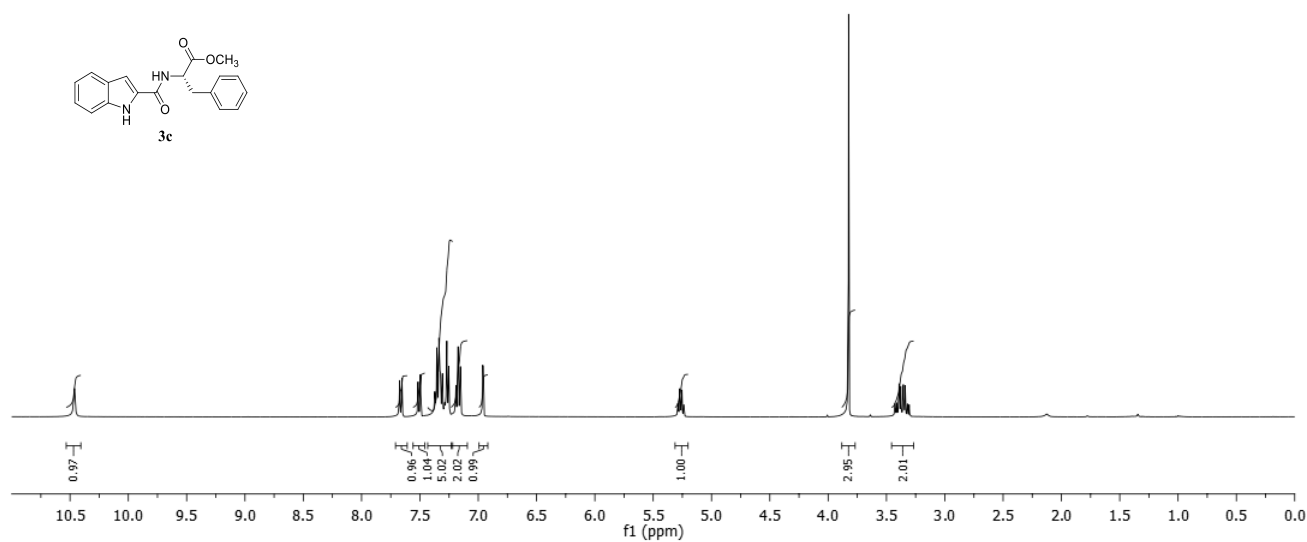
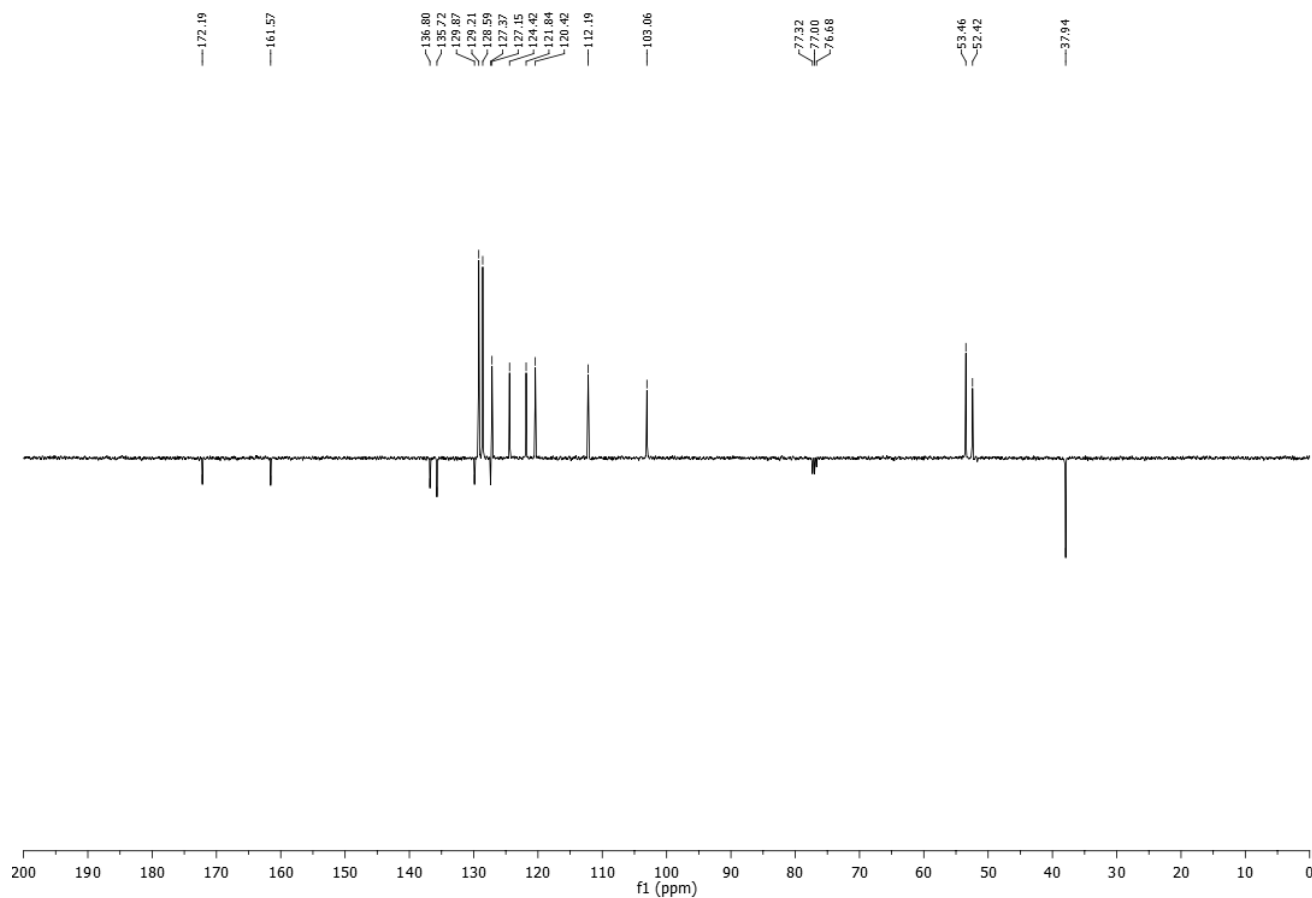
Figure 5:  $^1\text{H}$ NMR spectrum ( $\text{CDCl}_3$ , 400MHz) (**3c**)Figure 6:  $^{13}\text{C}$ NMR spectrum ( $\text{CDCl}_3$ , 100MHz) (**3c**)

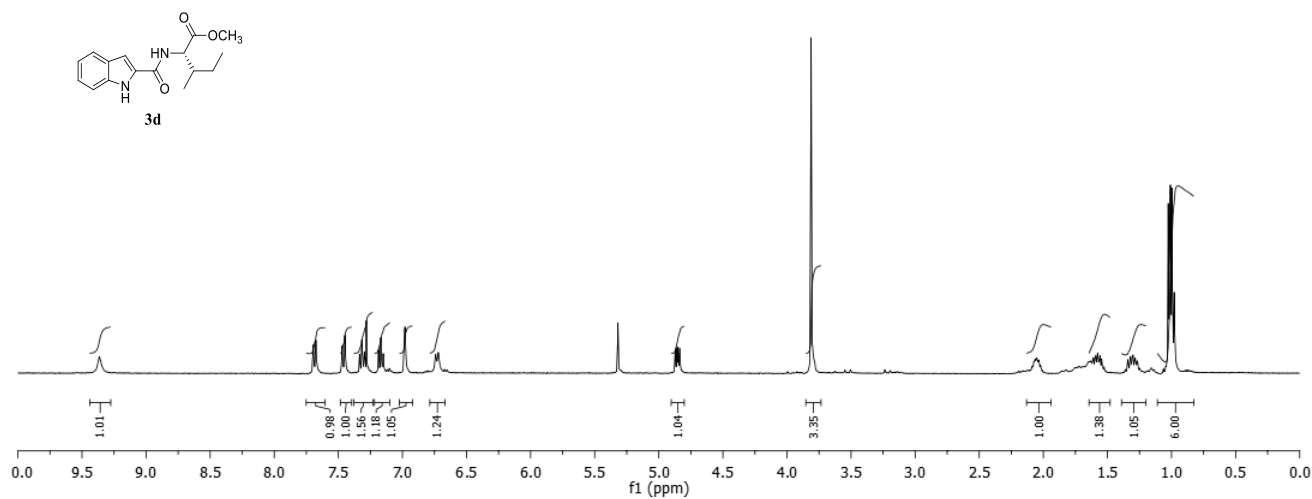
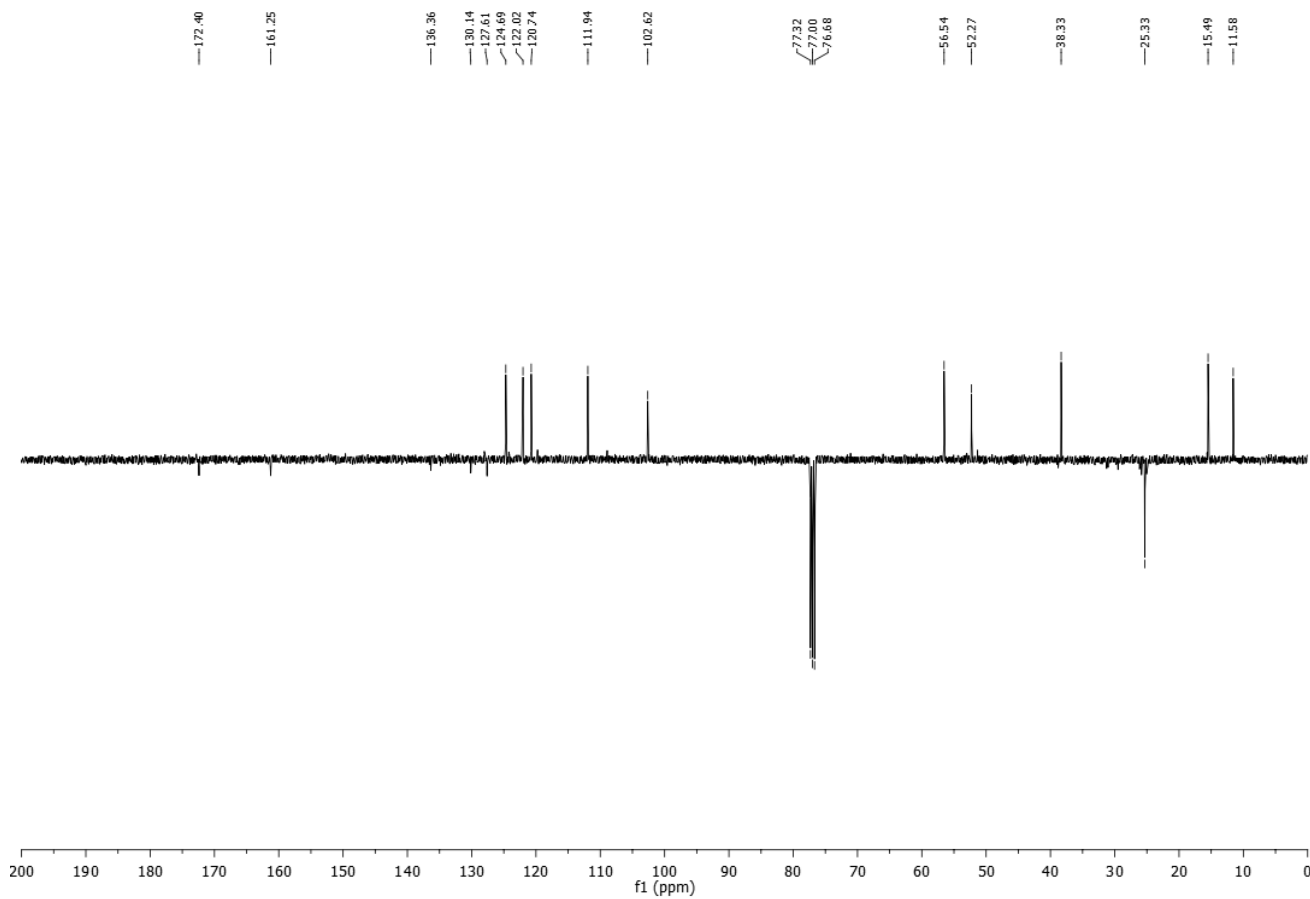
Figure 7:  $^1\text{H}$ NMR spectrum ( $\text{CDCl}_3$ , 400MHz) (**3d**)Figure 8:  $^{13}\text{C}$ NMR spectrum ( $\text{CDCl}_3$ , 100MHz) (**3d**)

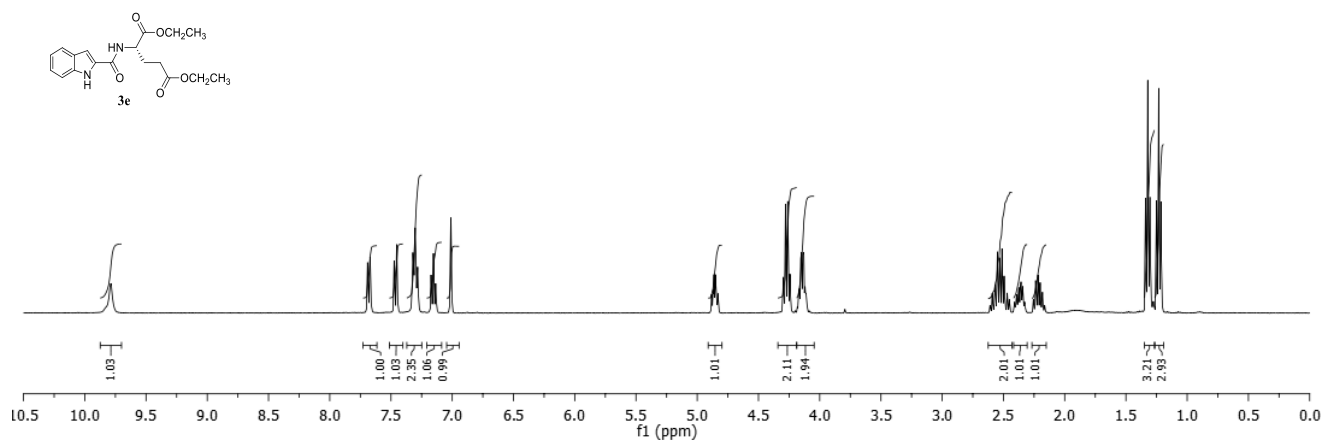
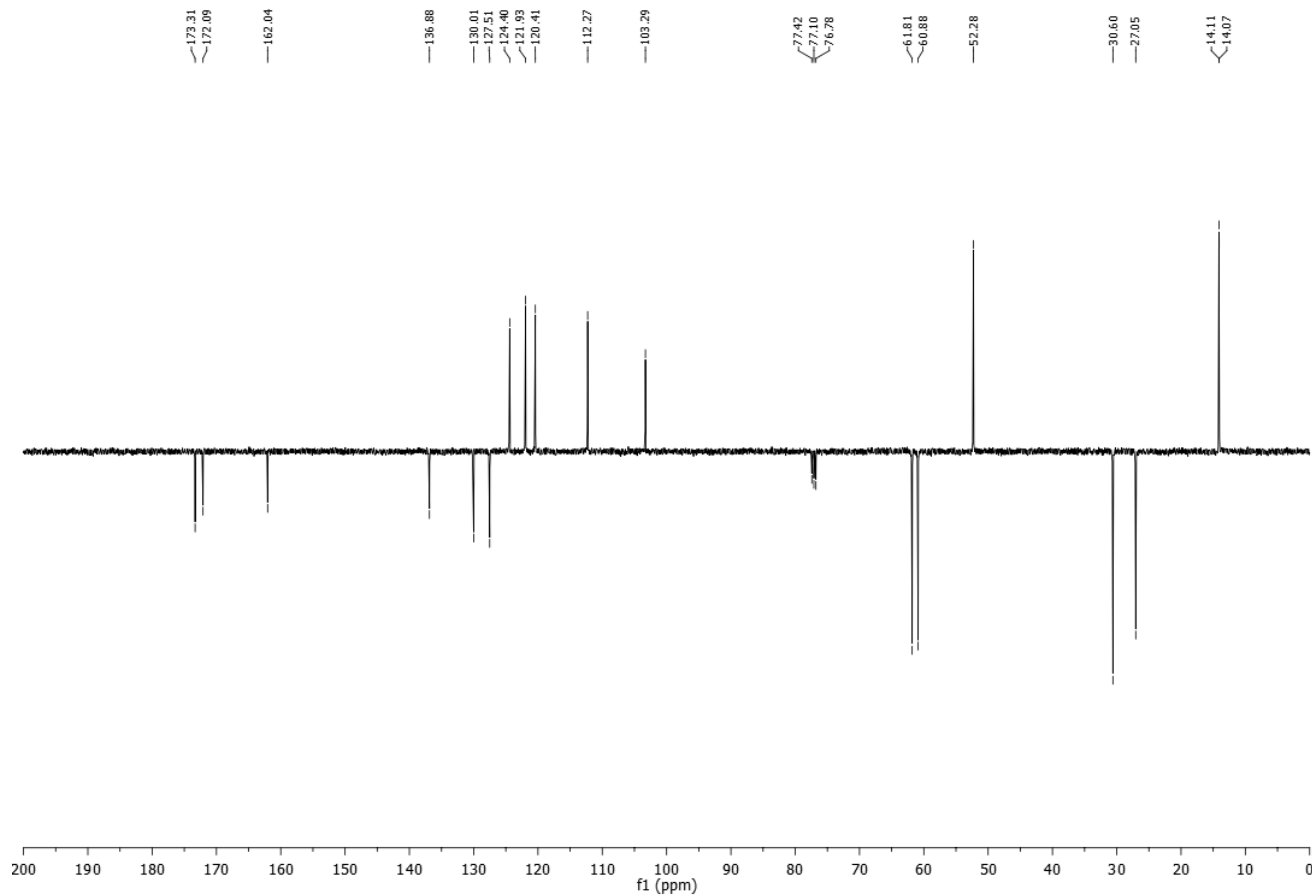
Figure 9:  $^1\text{H}$ NMR spectrum ( $\text{CDCl}_3$ , 400MHz) (**3e**)Figure 10:  $^{13}\text{C}$ NMR spectrum ( $\text{CDCl}_3$ , 100MHz) (**3e**)

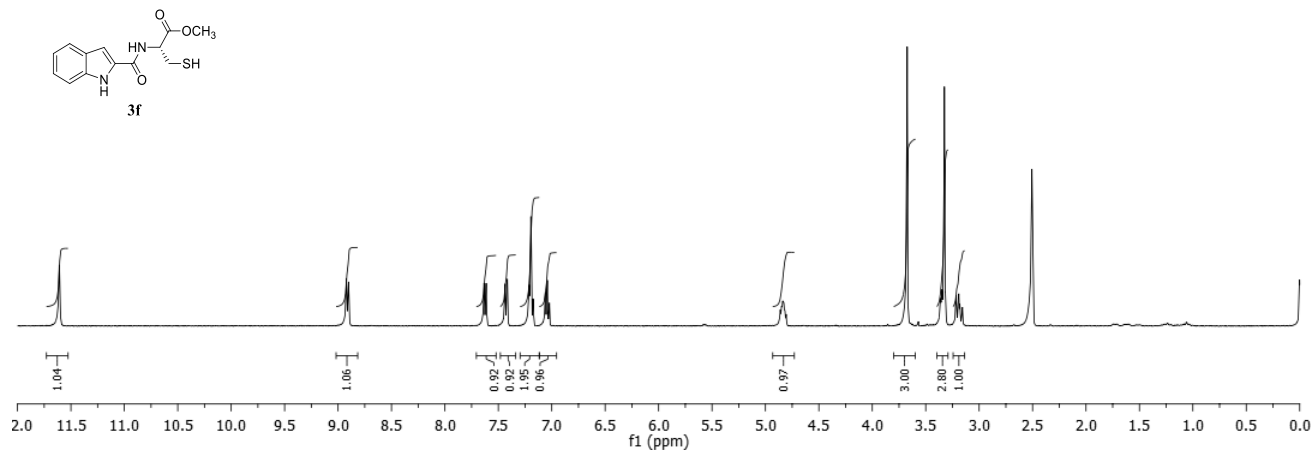
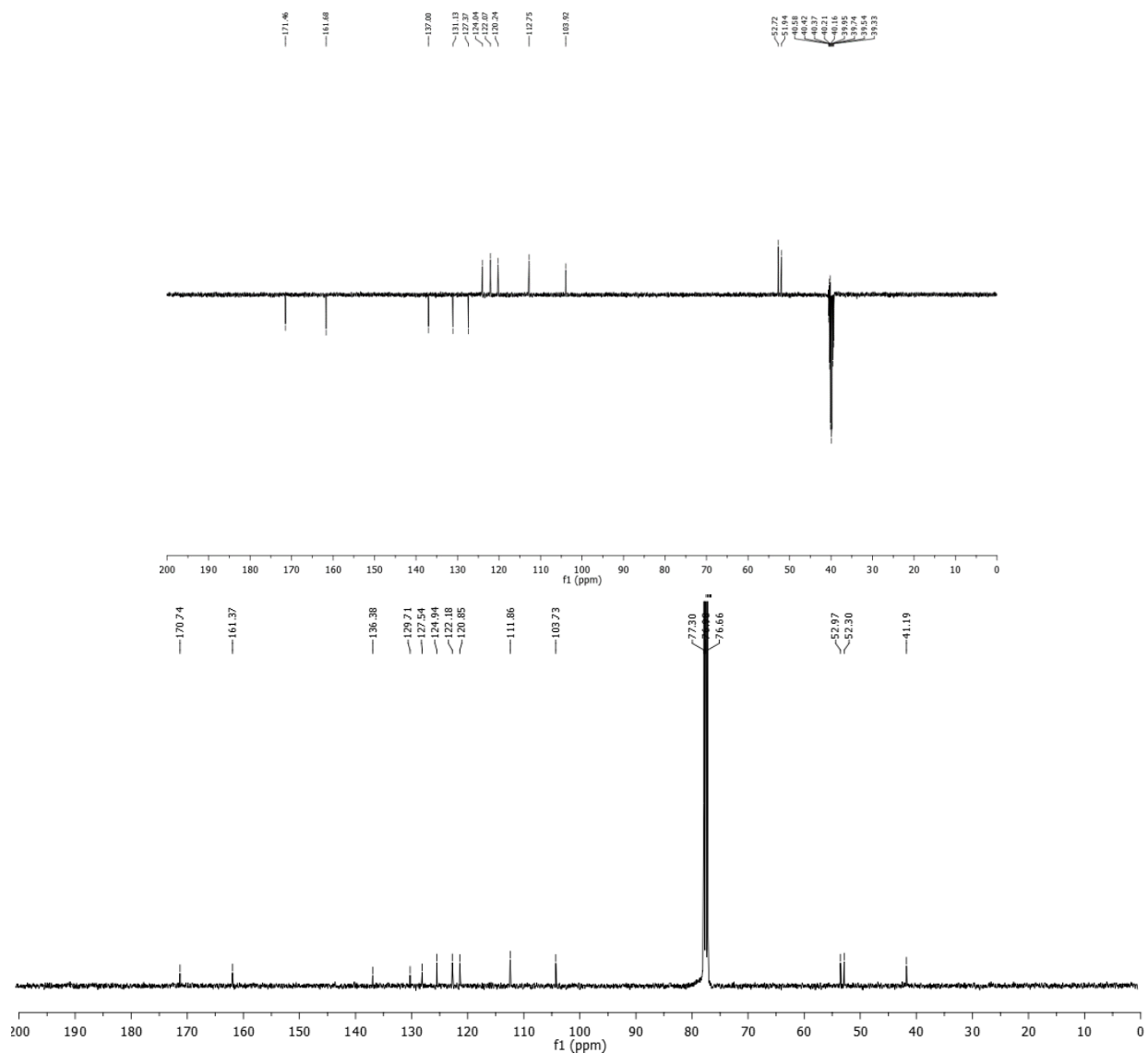
Figure 11:  $^1\text{H}$ NMR spectrum (DMSO, 400MHz) (**3f**)Figure 12:  $^{13}\text{C}$ NMR spectrum (DMSO and  $\text{CDCl}_3$ , 100MHz) (**3f**)

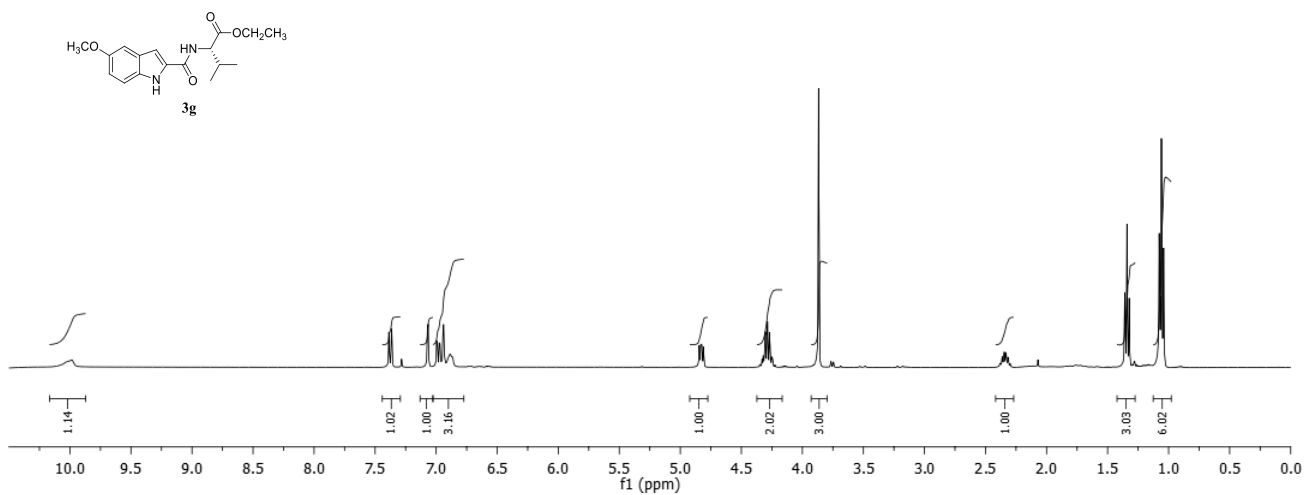
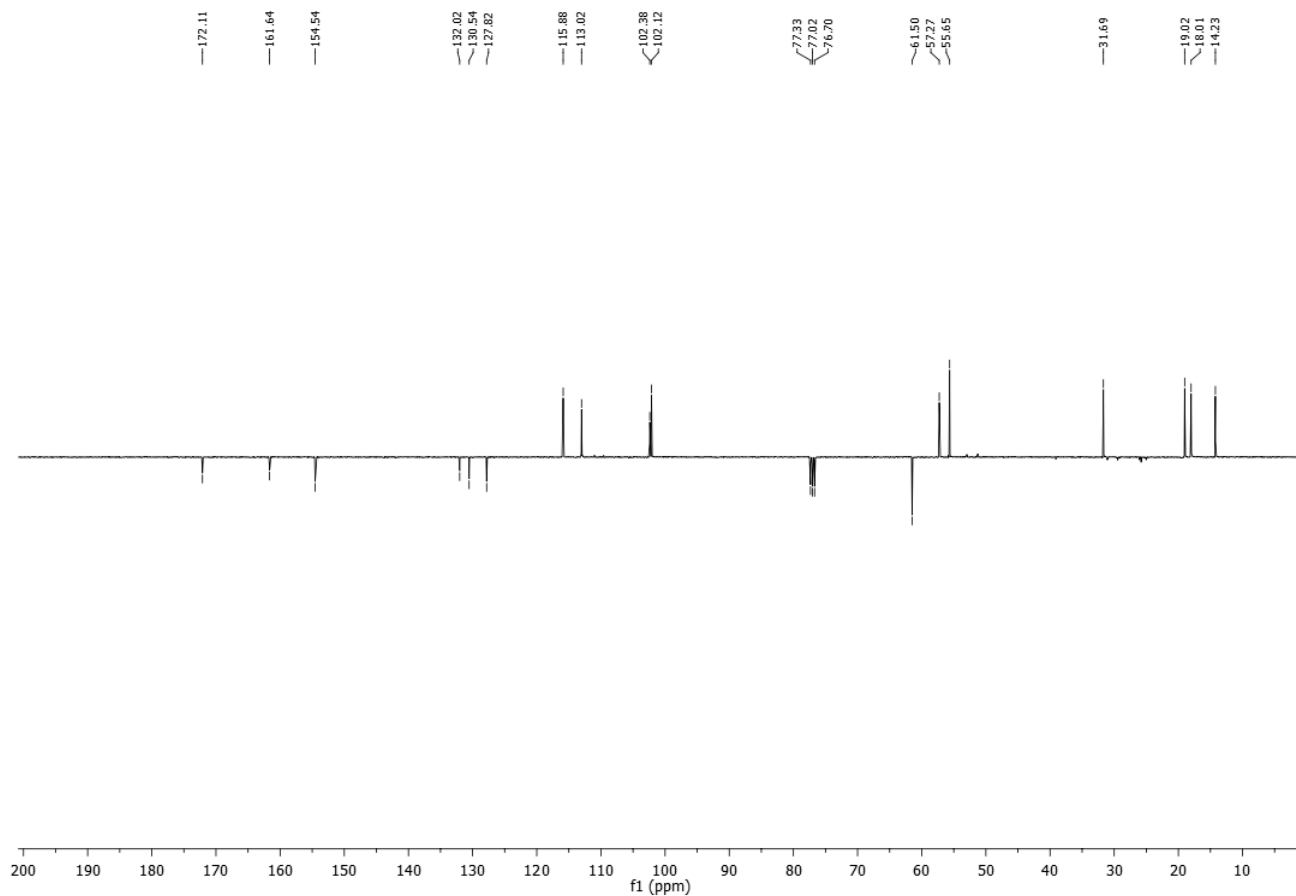
Figure 13:  $^1\text{H}$ NMR spectrum ( $\text{CDCl}_3$ , 400MHz) (**3g**)Figure 14:  $^{13}\text{C}$ NMR spectrum ( $\text{CDCl}_3$ , 100MHz) (**3g**)



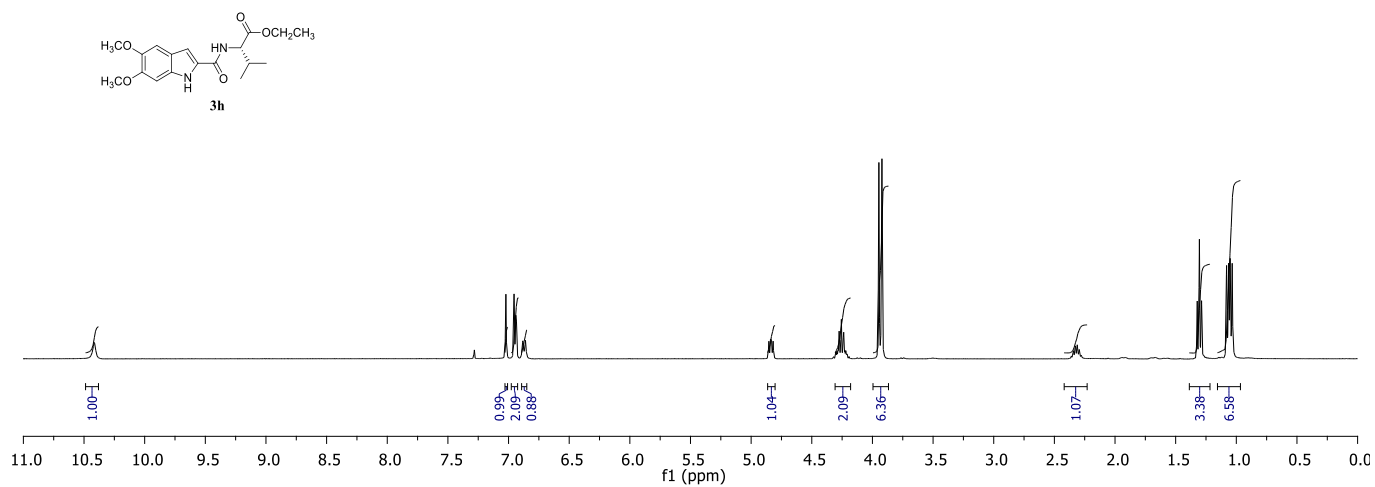
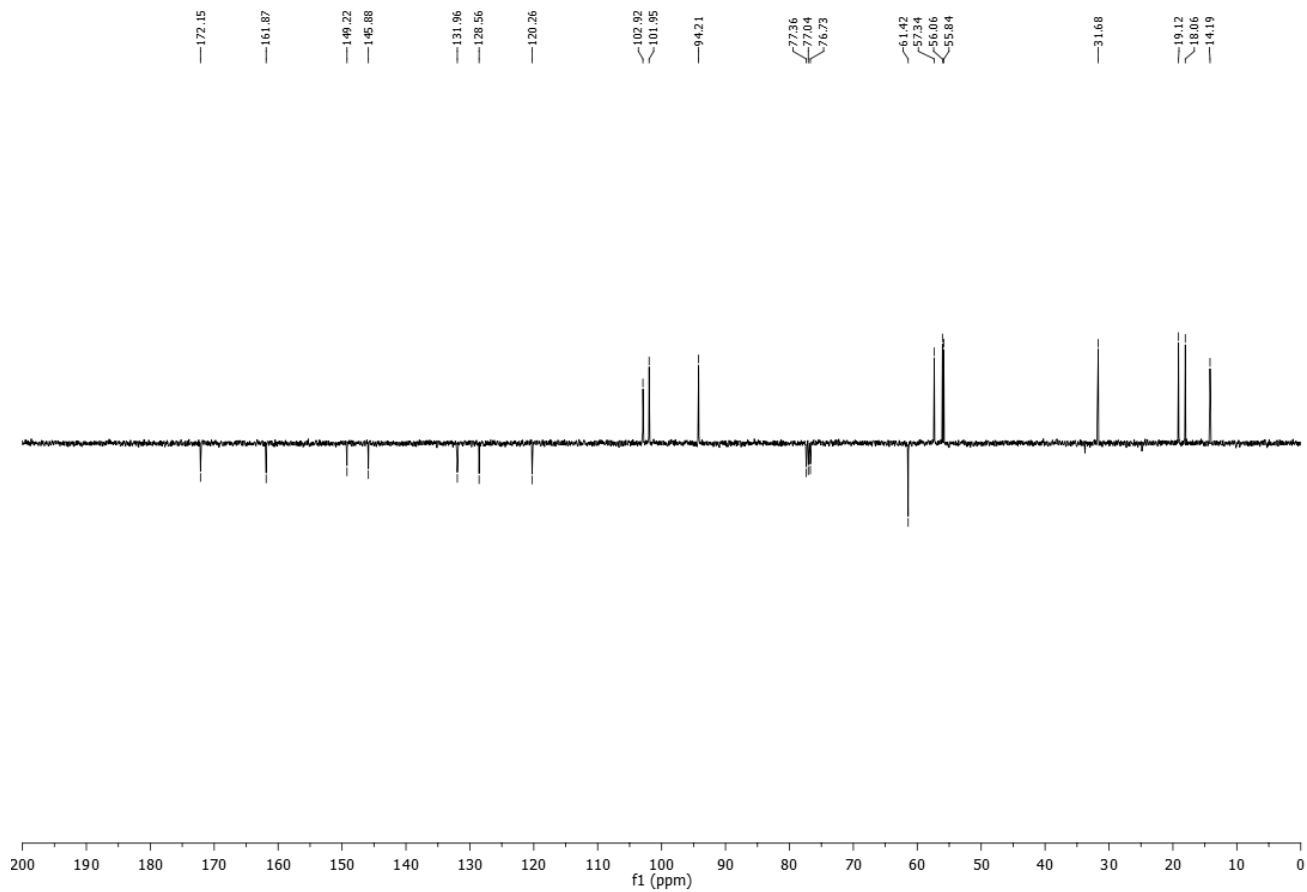
Figure 15:  $^1\text{H}$ NMR spectrum ( $\text{CDCl}_3$ , 400MHz) (**3h**)Figure 16:  $^{13}\text{C}$ NMR spectrum ( $\text{CDCl}_3$ , 100MHz) (**3h**)

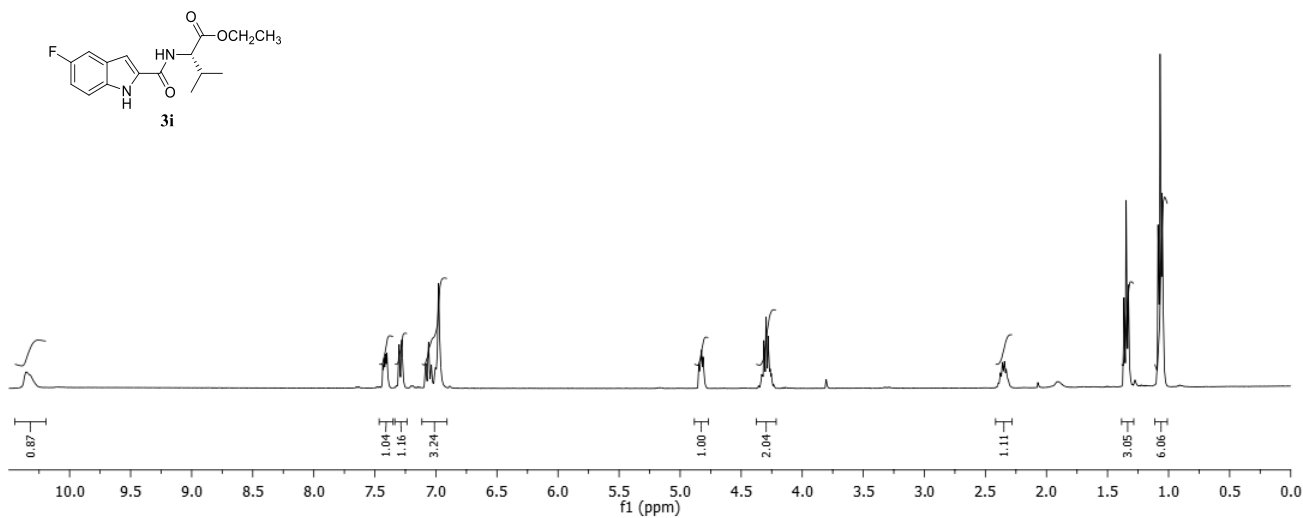
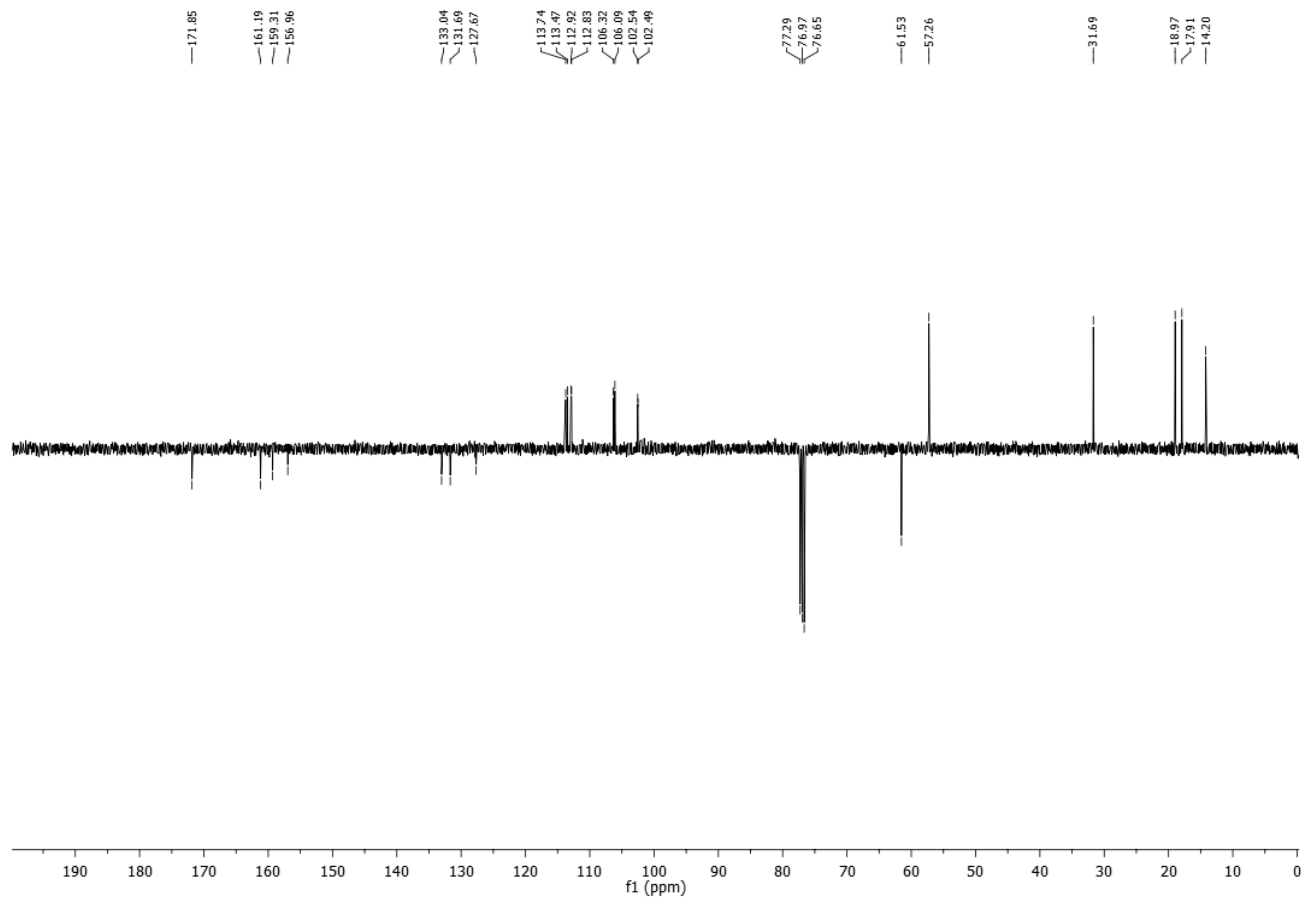
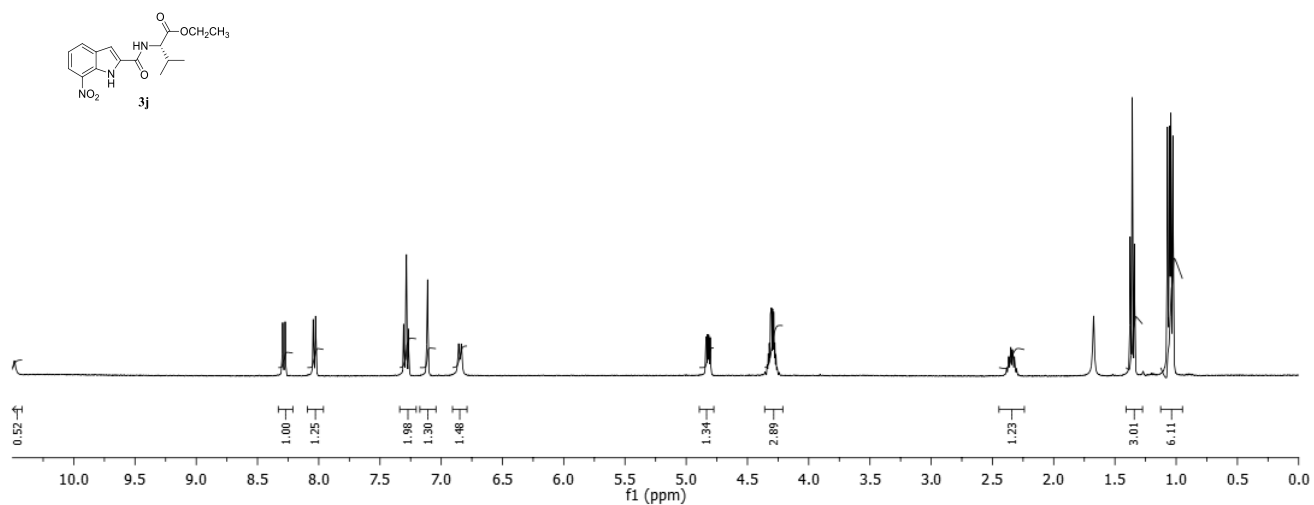
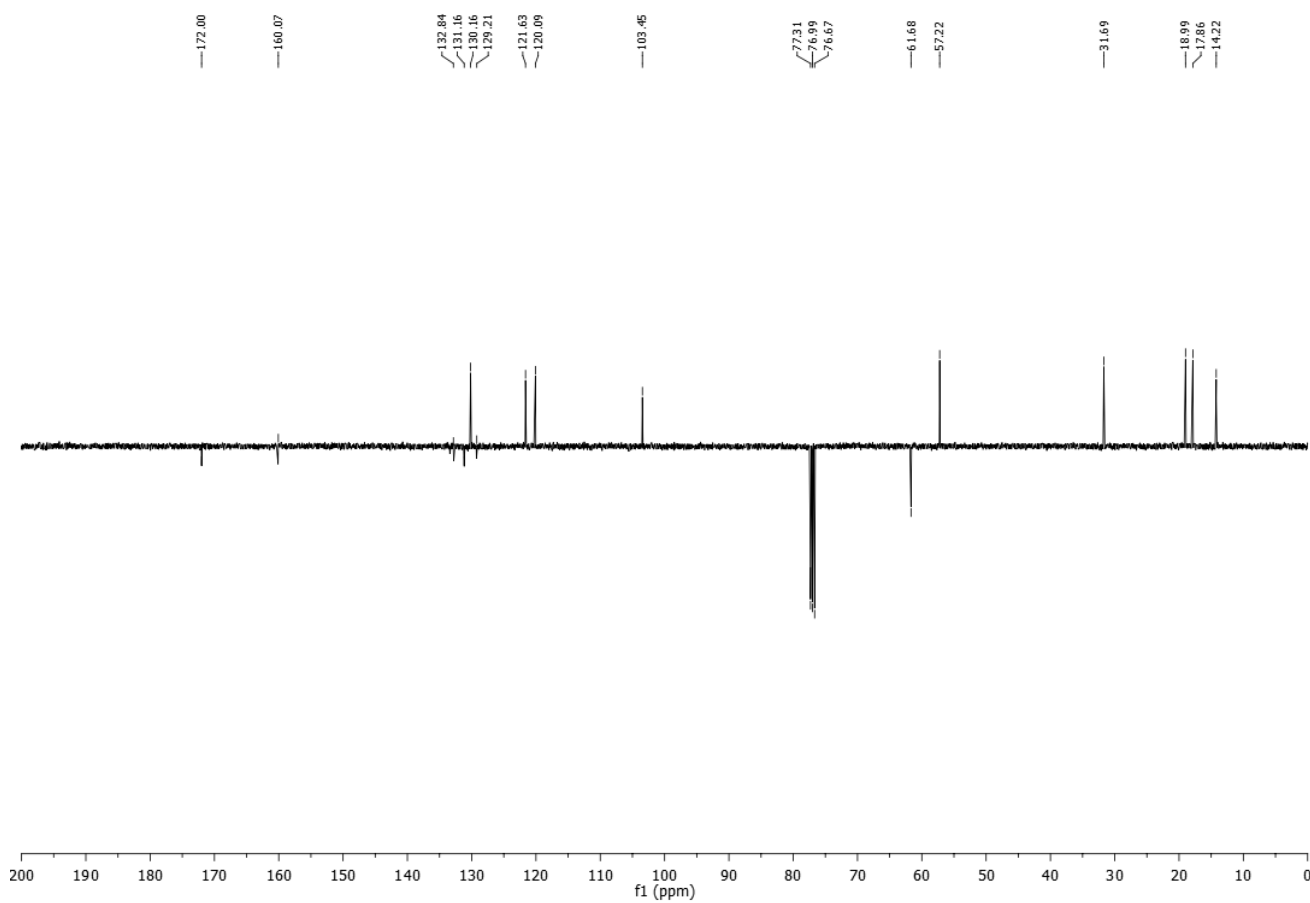
Figure 17:  $^1\text{H}$ NMR spectrum ( $\text{CDCl}_3$ , 400MHz) (**3i**)Figure 18:  $^{13}\text{C}$ NMR spectrum ( $\text{CDCl}_3$ , 100MHz) (**3i**)

Figure 19:  $^1\text{H}$ NMR spectrum ( $\text{CDCl}_3$ , 400MHz) (**3j**)Figure 20:  $^{13}\text{C}$ NMR spectrum ( $\text{CDCl}_3$ , 100MHz) (**3j**)

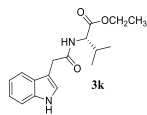
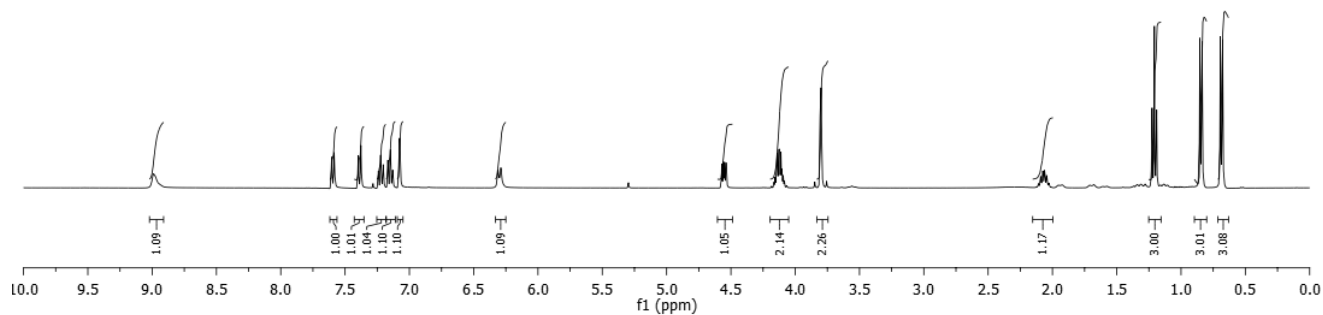
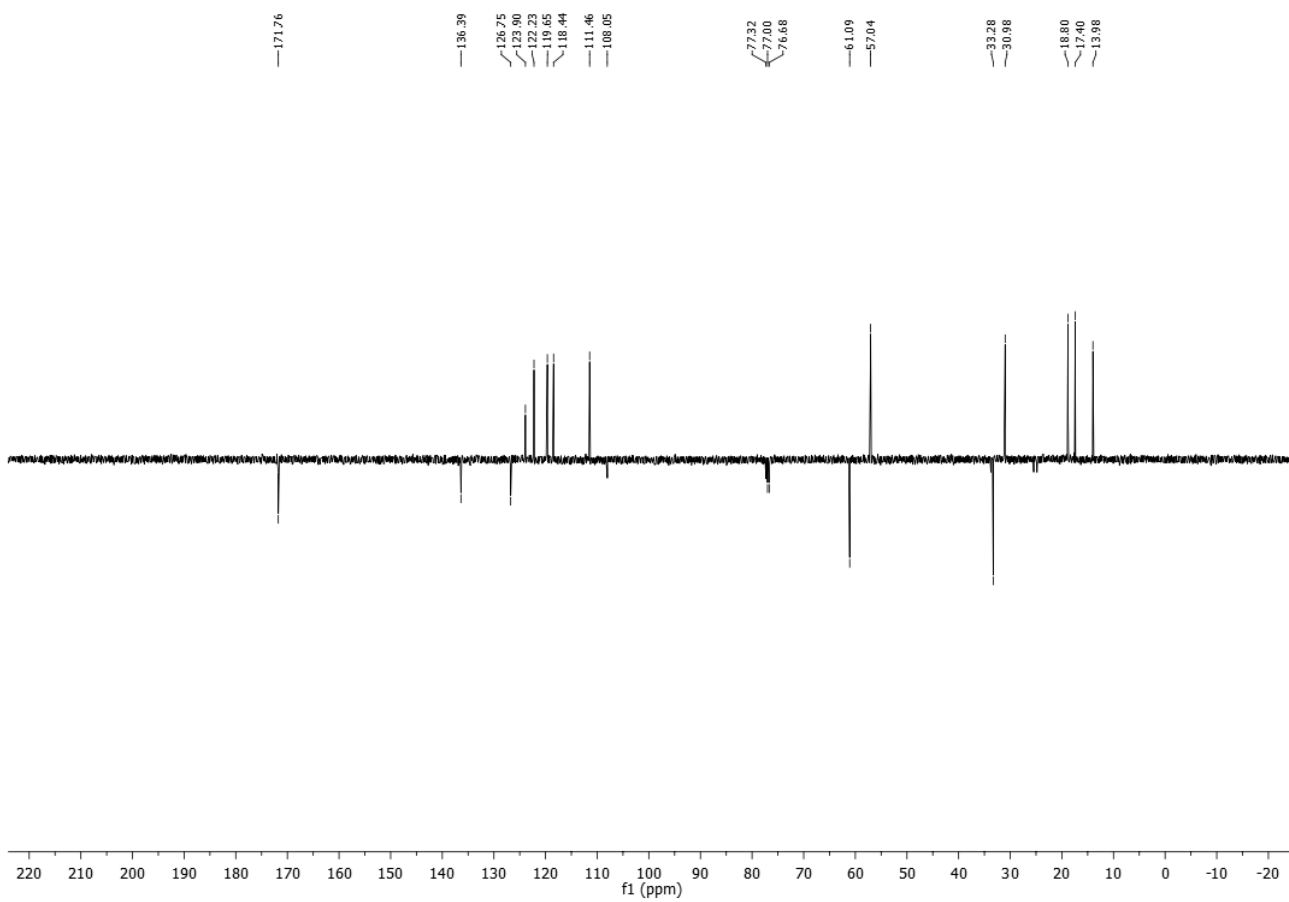
**Figure 21:**  $^1\text{H}$ NMR spectrum ( $\text{CDCl}_3$ , 400MHz) (**3k**)**Figure 22:**  $^{13}\text{C}$ NMR spectrum ( $\text{CDCl}_3$ , 100MHz) (**3k**)

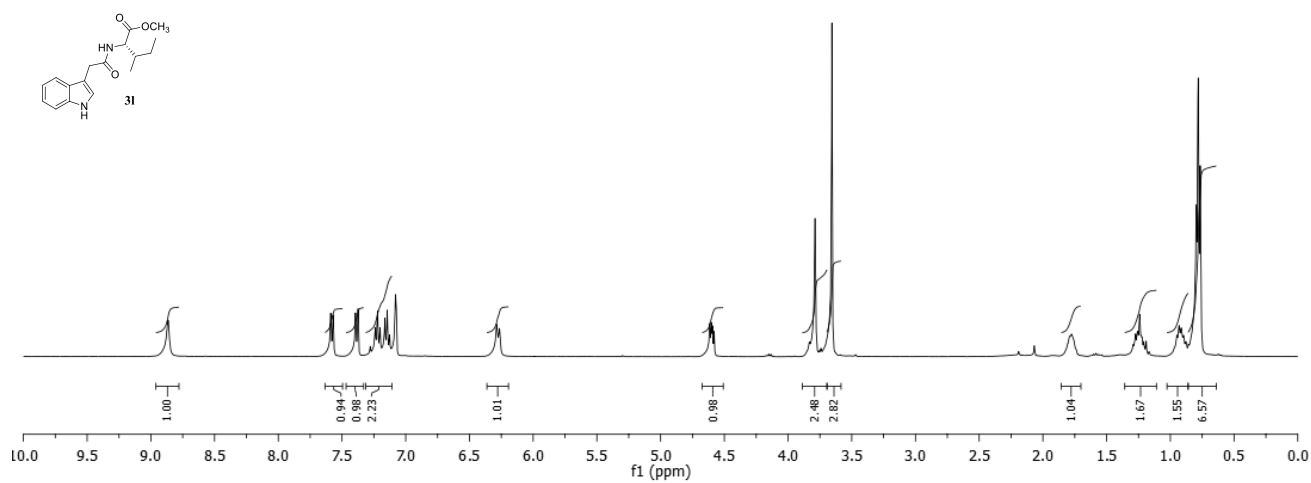
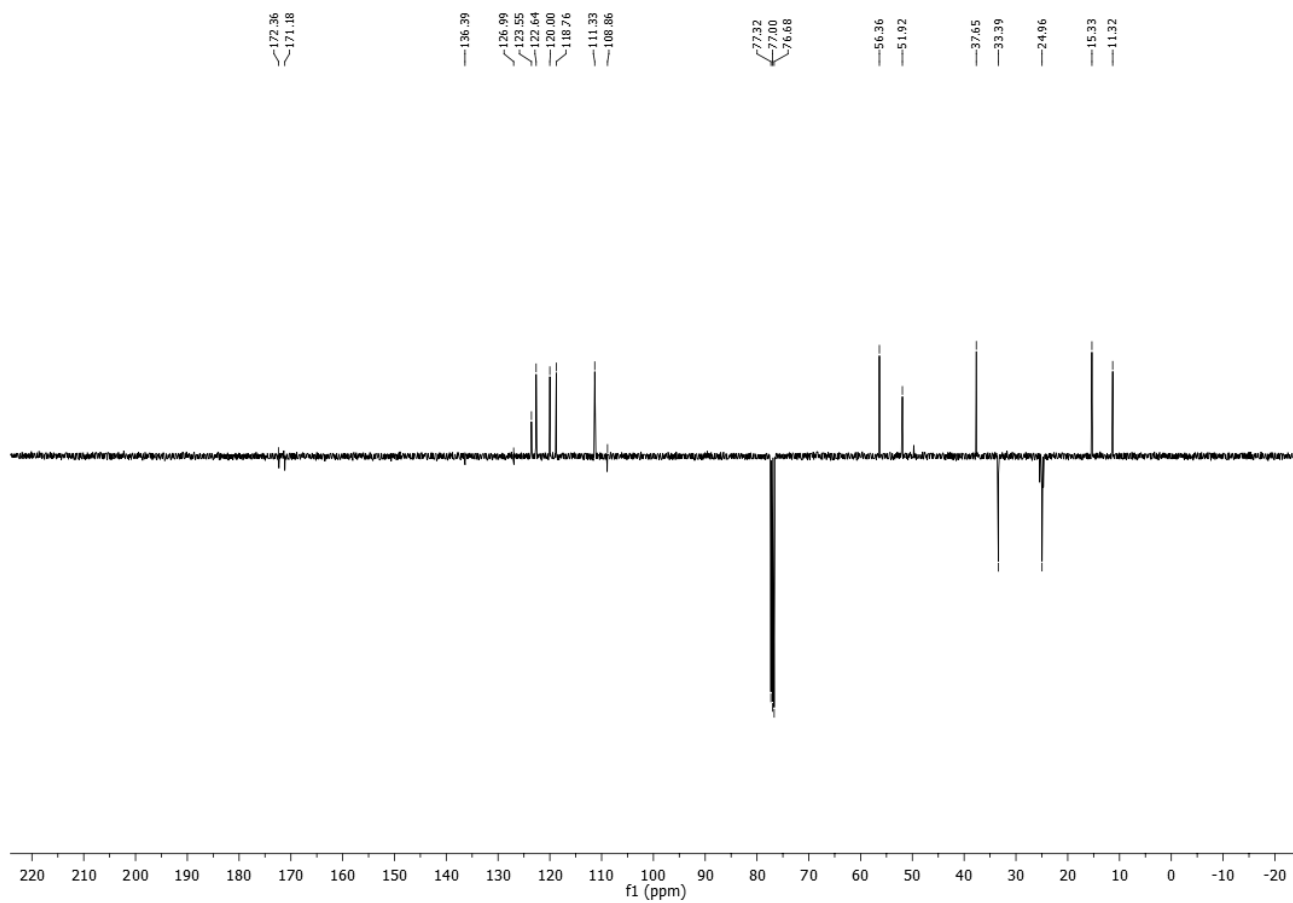
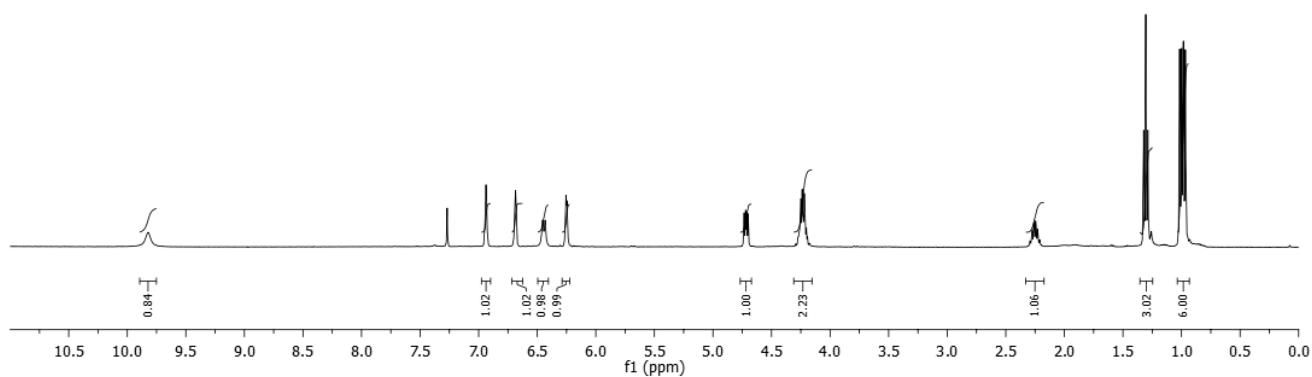
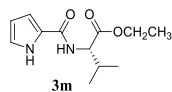
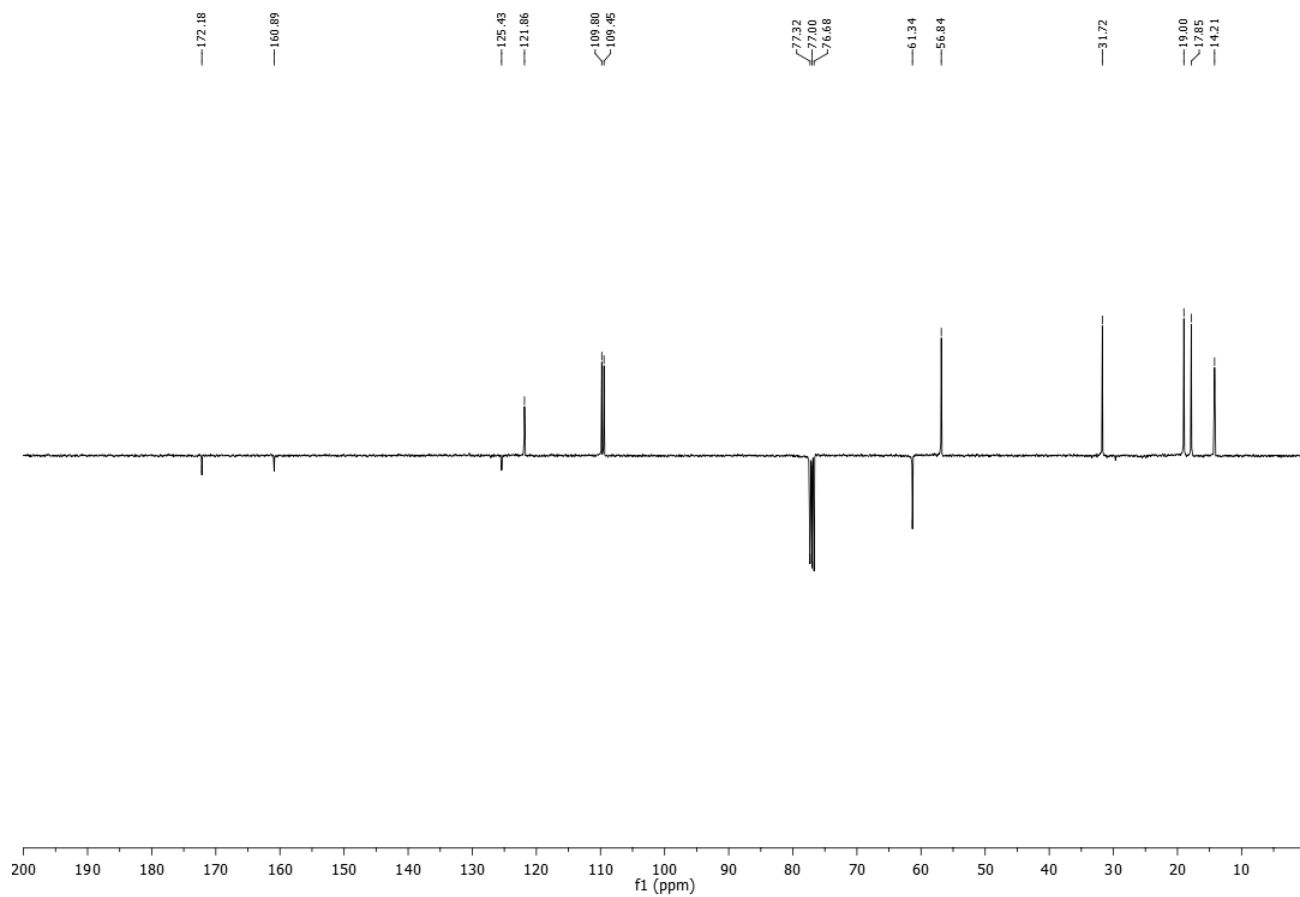
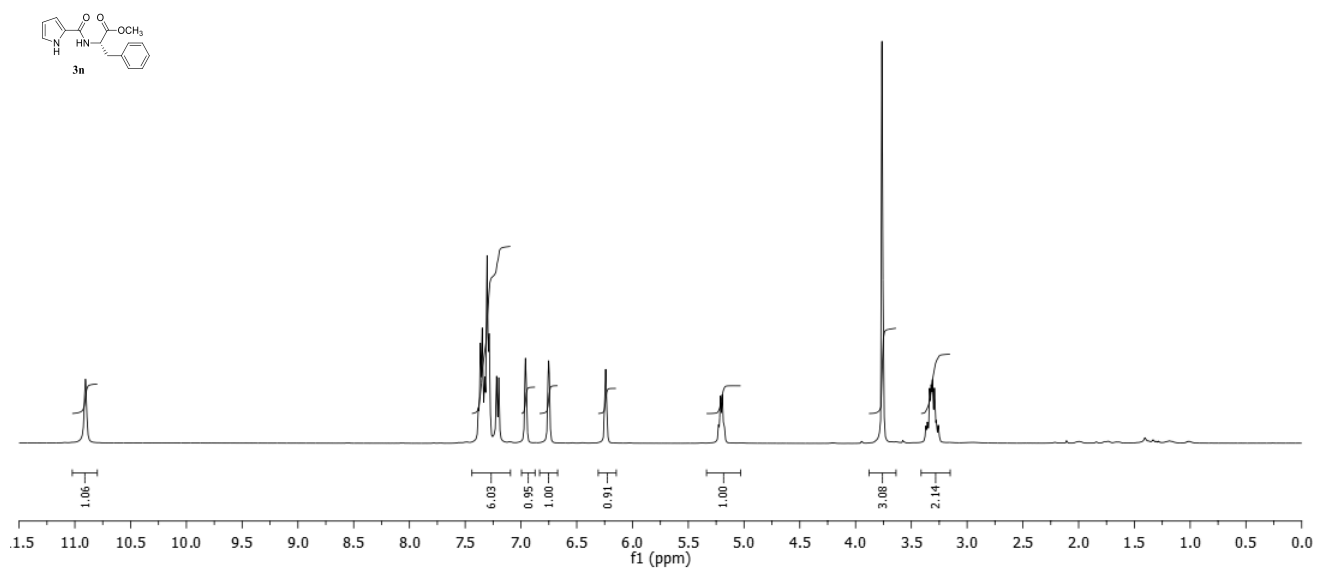
Figure 23:  $^1\text{H}$ NMR spectrum ( $\text{CDCl}_3$ , 400MHz) (31)Figure 24:  $^{13}\text{C}$ NMR spectrum ( $\text{CDCl}_3$ , 100MHz) (31)

Figure 25:  $^1\text{H}$ NMR spectrum ( $\text{CDCl}_3$ , 400MHz) (**3m**)Figure 26:  $^{13}\text{C}$ NMR spectrum ( $\text{CDCl}_3$ , 100MHz) (**3m**)

**Figure 27:**  $^1\text{H}$ NMR spectrum ( $\text{CDCl}_3$ , 400MHz) (**3n**)**Figure 28:**  $^{13}\text{C}$ NMR spectrum ( $\text{CDCl}_3$ , 100MHz) (**3n**)