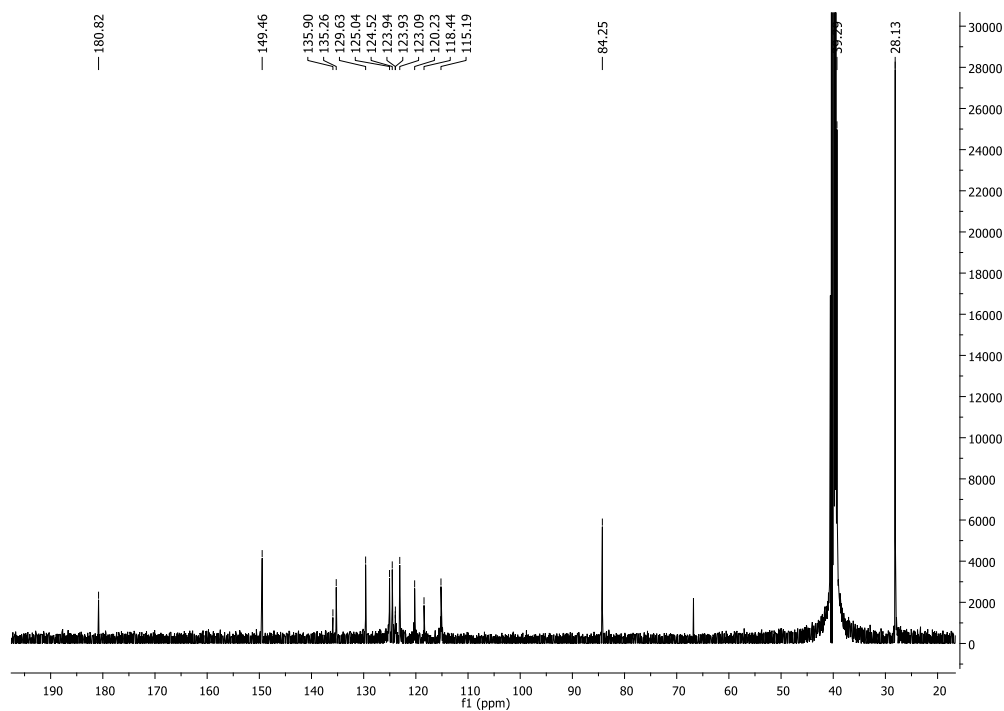
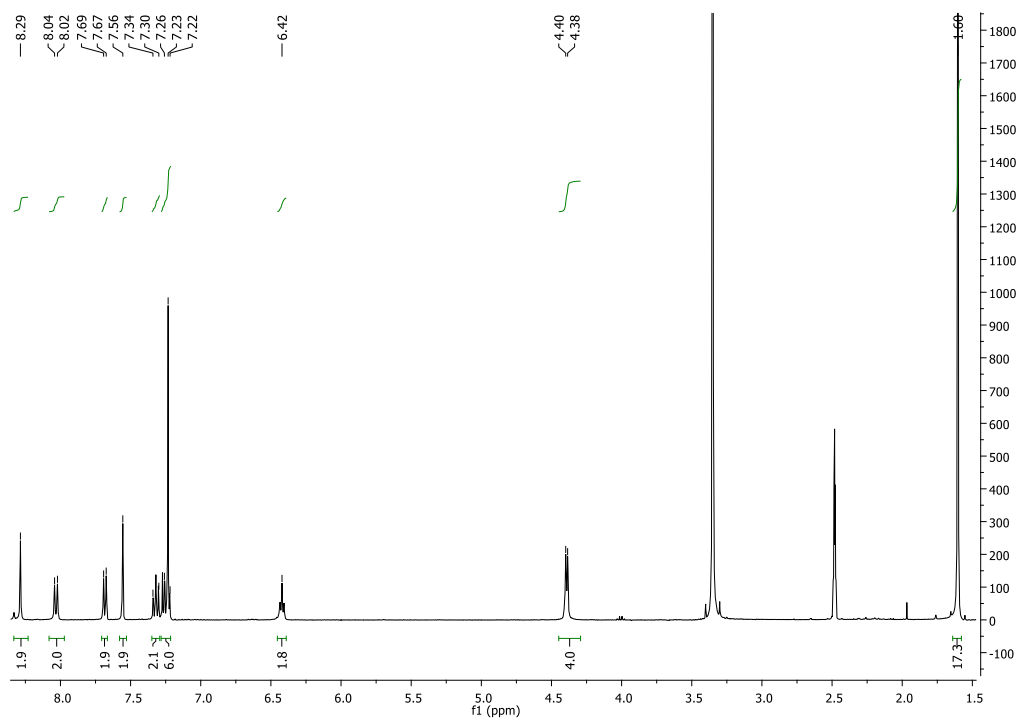
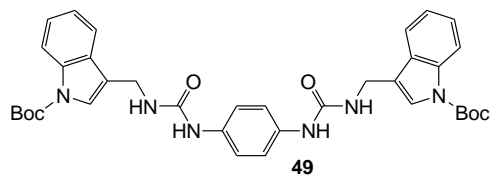


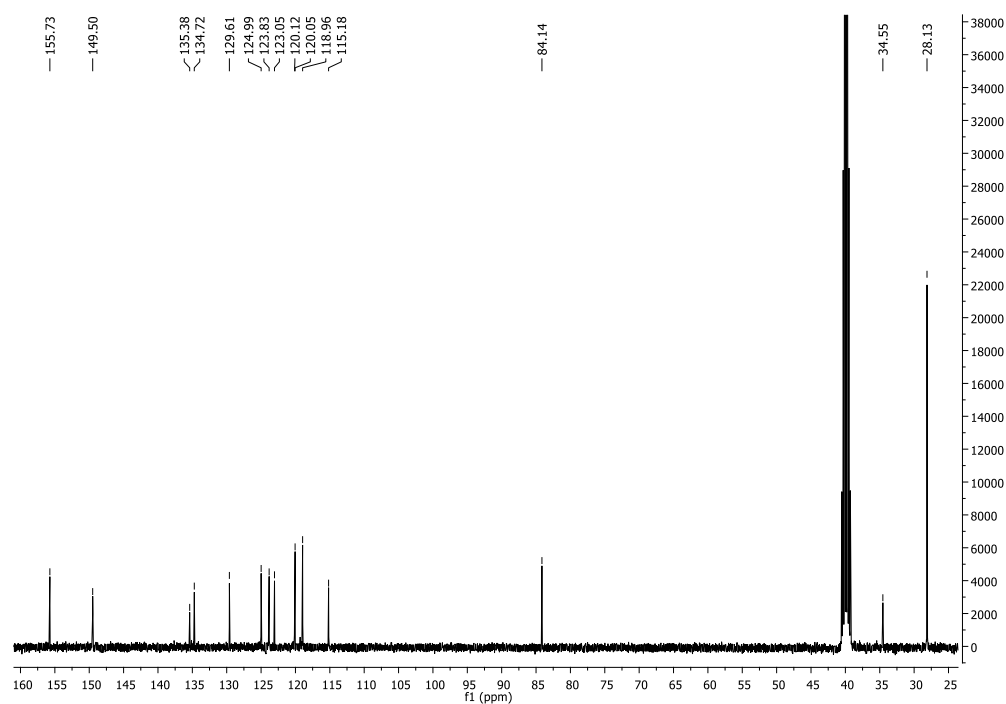
$^1\text{H}$  NMR spectrum ( $\text{DMSO}-d_6$ , 400 MHz) of thiourea **48**.



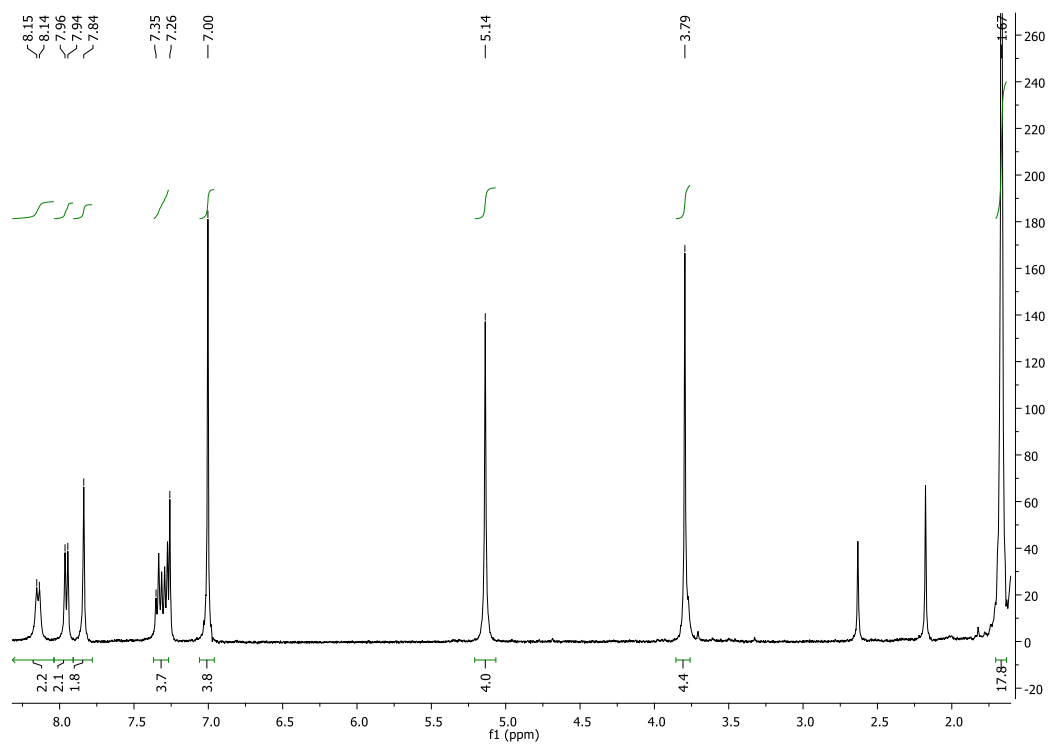
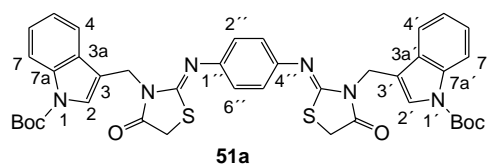
$^{13}\text{C}$  NMR spectrum (DMSO- $d_6$ , 100 MHz) of thiourea **48**.



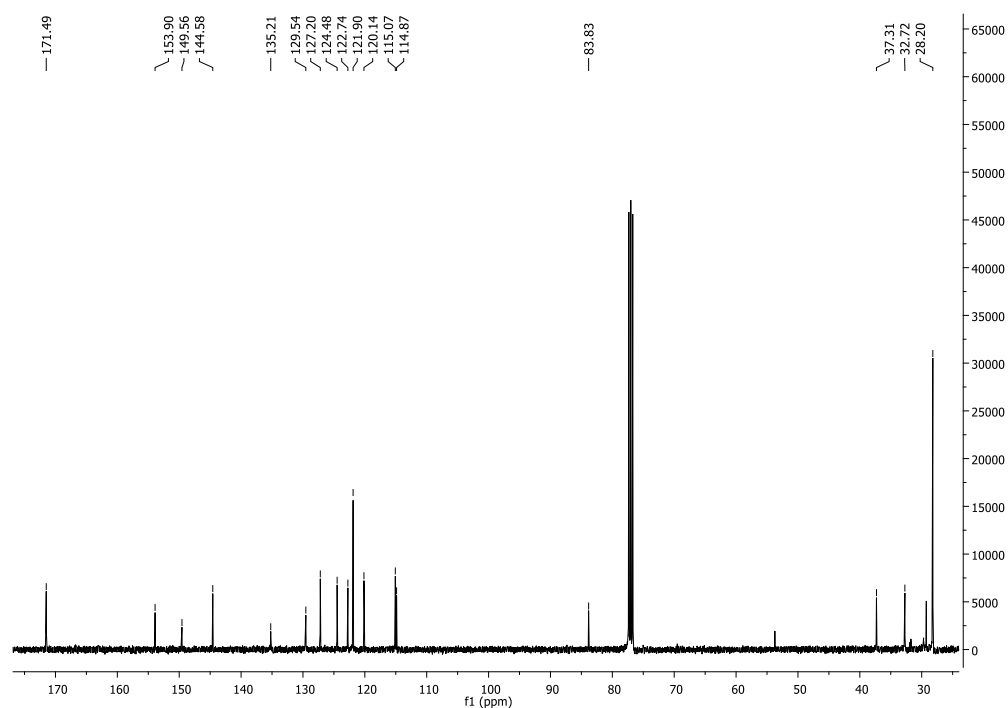
$^1\text{H}$  NMR spectrum (DMSO- $d_6$ , 400 MHz) of urea **49**.



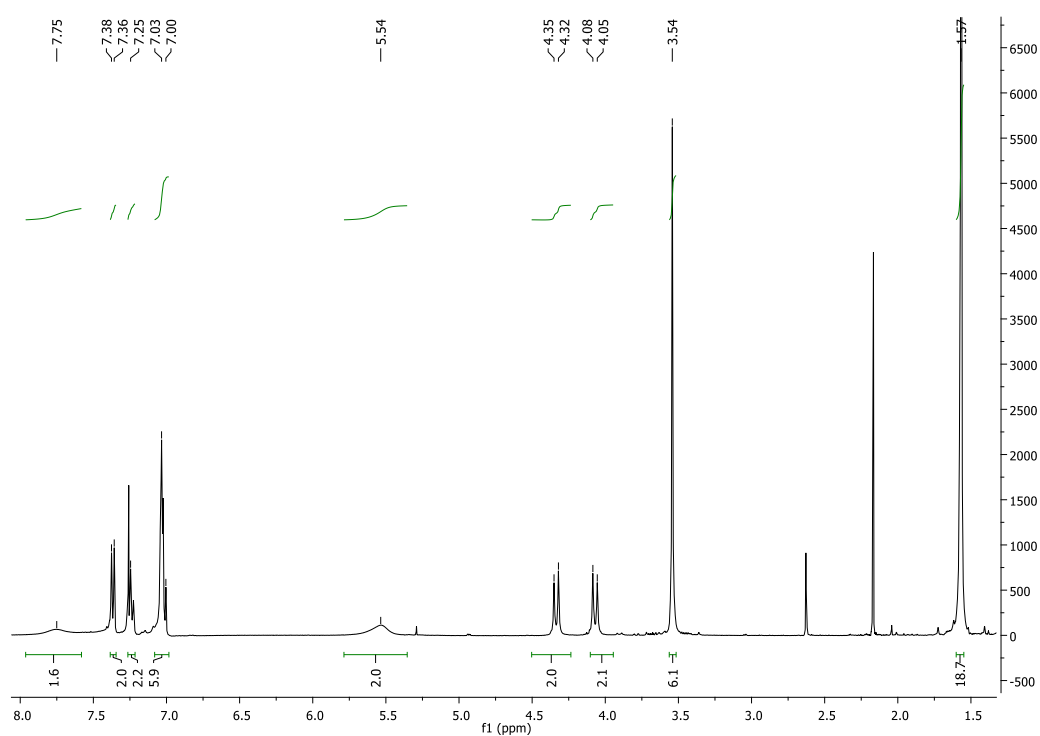
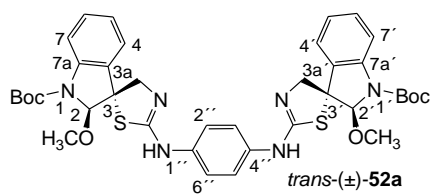
$^{13}\text{C}$  NMR spectrum ( $\text{DMSO-}d_6$ , 100 MHz) of urea **49**.



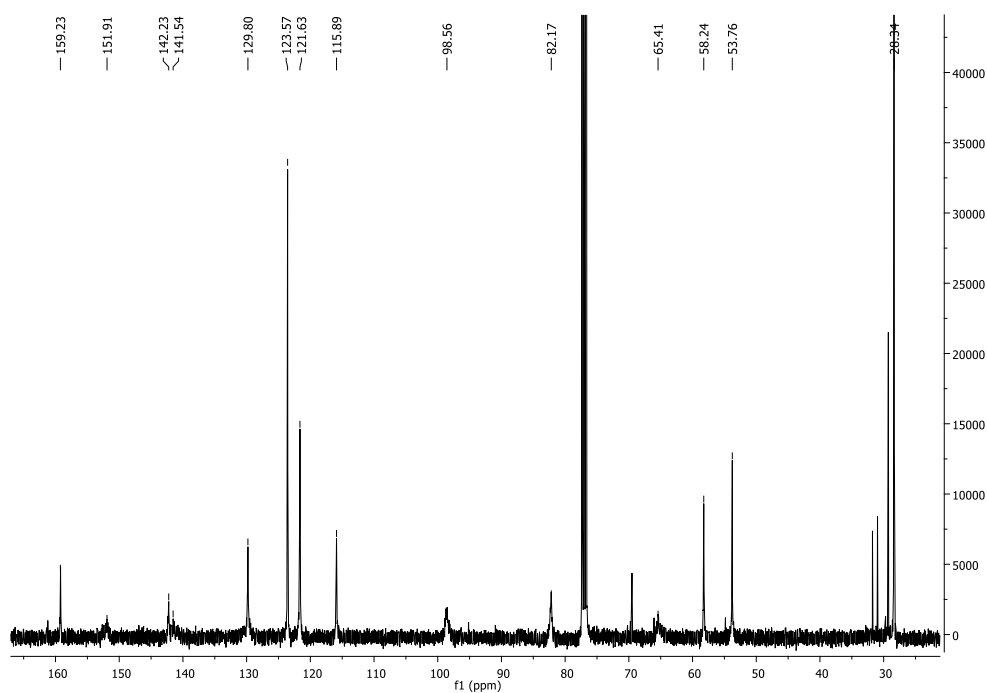
$^1\text{H}$  NMR spectrum ( $\text{CDCl}_3$ , 400 MHz) of thiazolidin-4-one **51a**.



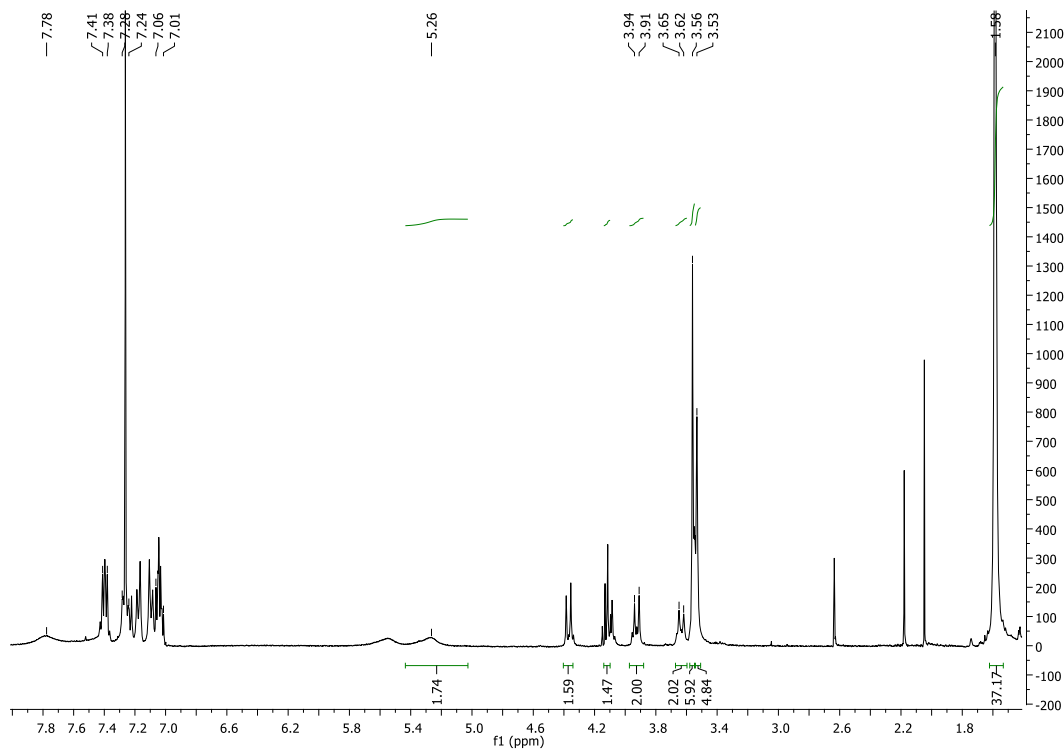
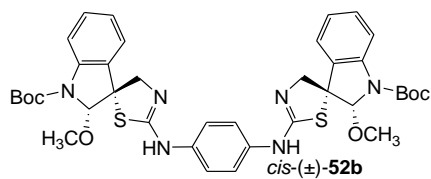
<sup>13</sup>C NMR spectrum (CDCl<sub>3</sub>, 100 MHz) of thiazolidin-4-one **51a**.



<sup>1</sup>H NMR spectrum (CDCl<sub>3</sub>, 400 MHz) of *trans*-(±)-**52a**.



$^{13}\text{C}$  NMR spectrum ( $\text{CDCl}_3$ , 100 MHz) of *trans*-( $\pm$ )-**52a**.



$^1\text{H}$  NMR spectrum ( $\text{CDCl}_3$ , 400 MHz) of *cis*-( $\pm$ )-**52a**.