

# Supporting Information

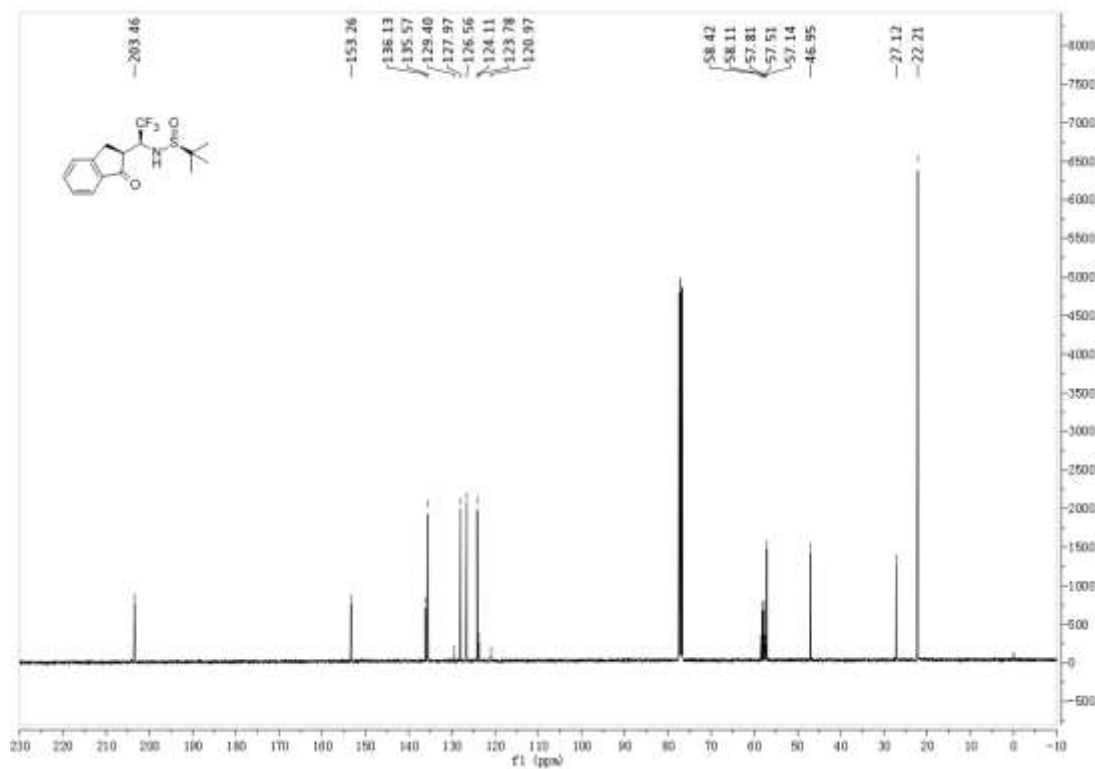
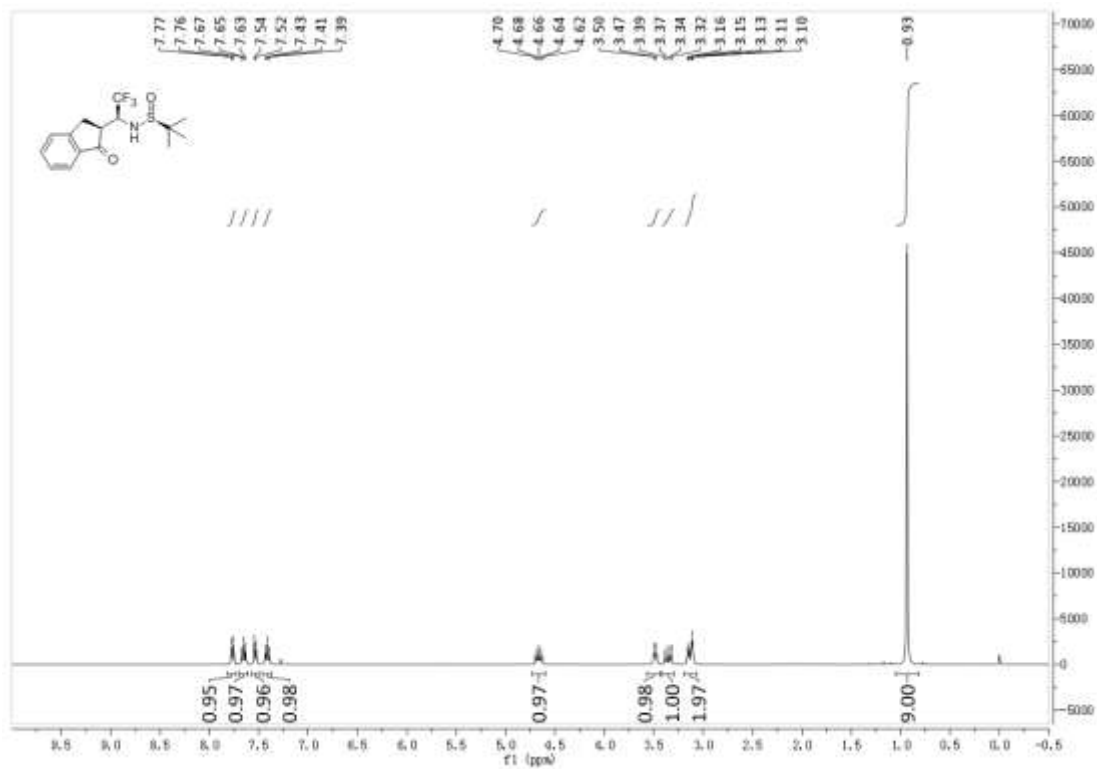
## LDA-promoted asymmetric synthesis of $\beta$ -trifluoromethyl- $\beta$ -amino indanone derivatives with virtually complete stereochemical outcome

Chen Xie,<sup>a</sup> Haibo Mei,<sup>a,b</sup> Lingmin Wu,<sup>a</sup> Vadim A. Soloshonok,<sup>c,d</sup>

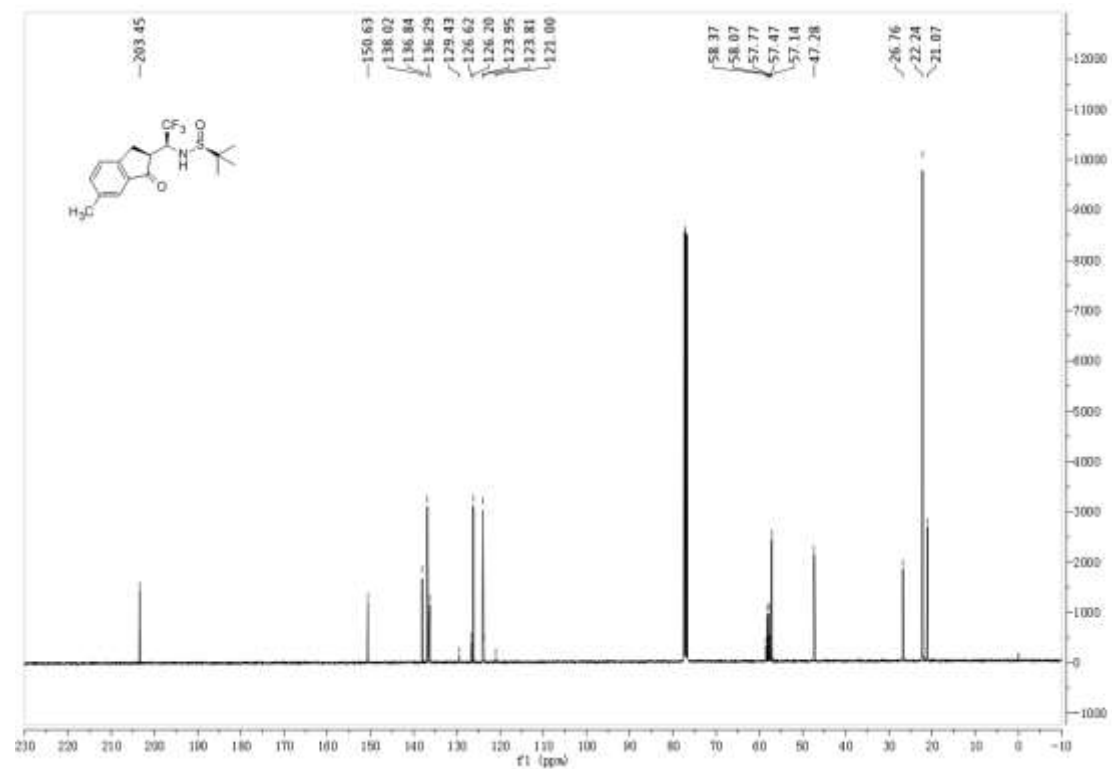
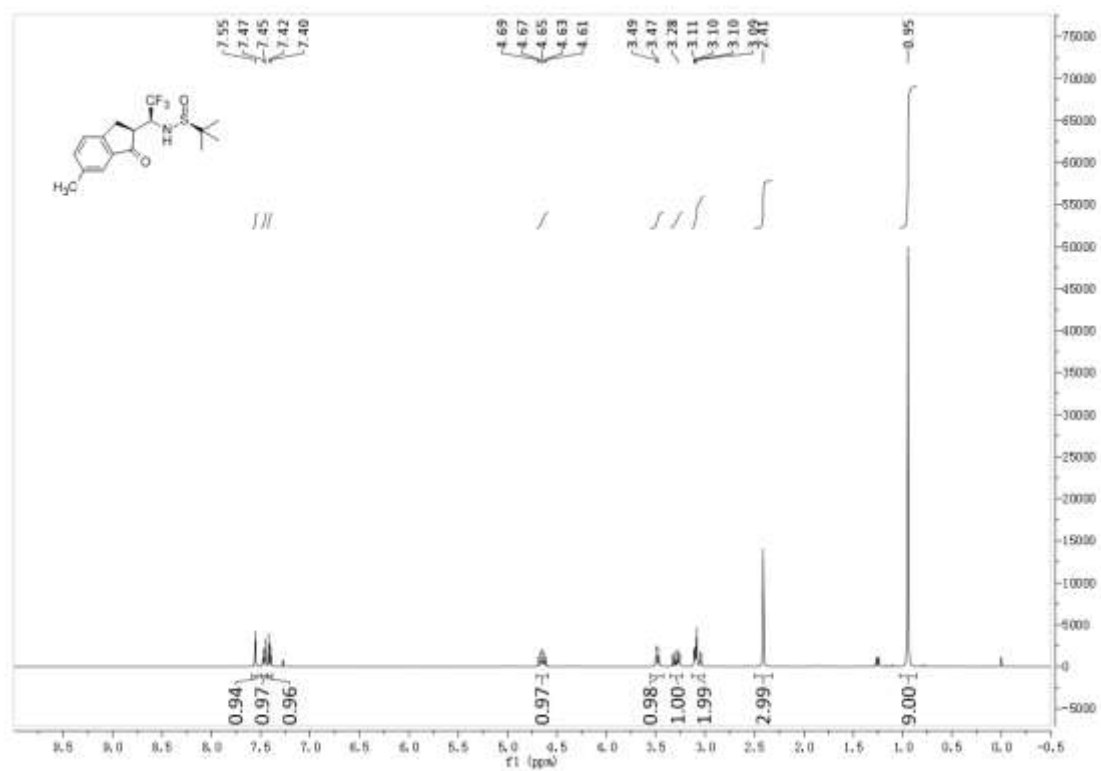
Jianlin Han,<sup>\*a,b</sup> and Yi Pan<sup>a</sup>

## NMR spectra of compounds **3** and **4**.

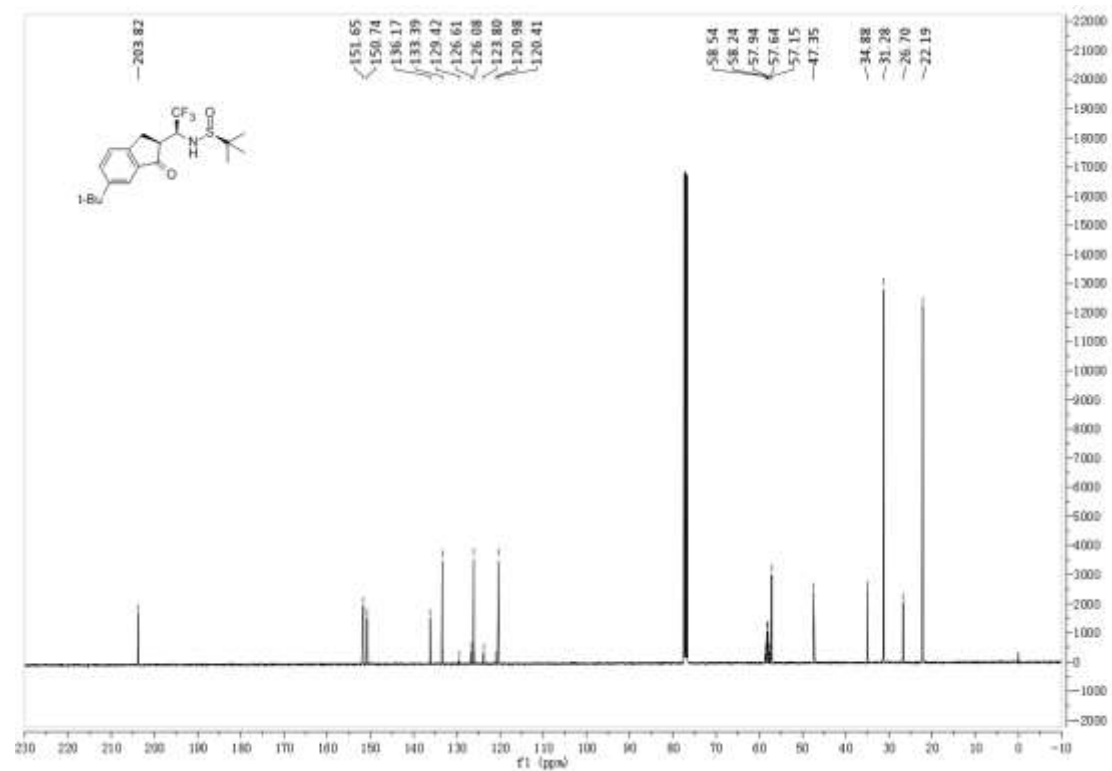
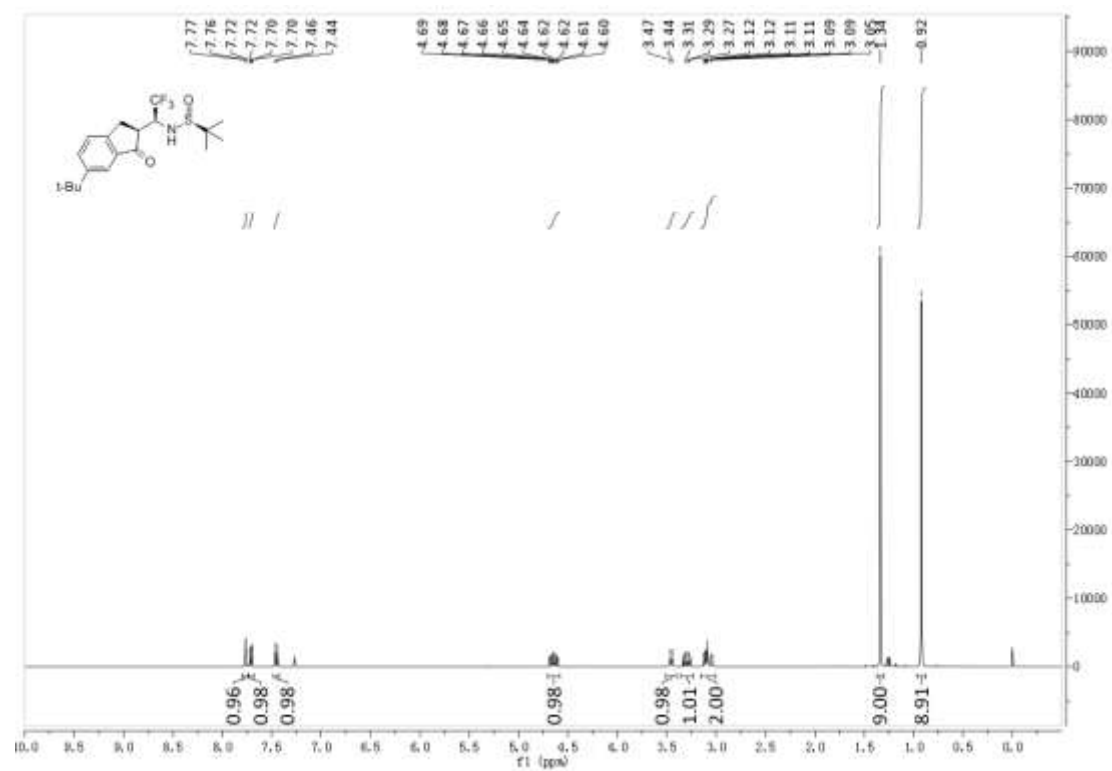
$^1\text{H}$  NMR and  $^{13}\text{C}$  NMR spectrum of **3a**



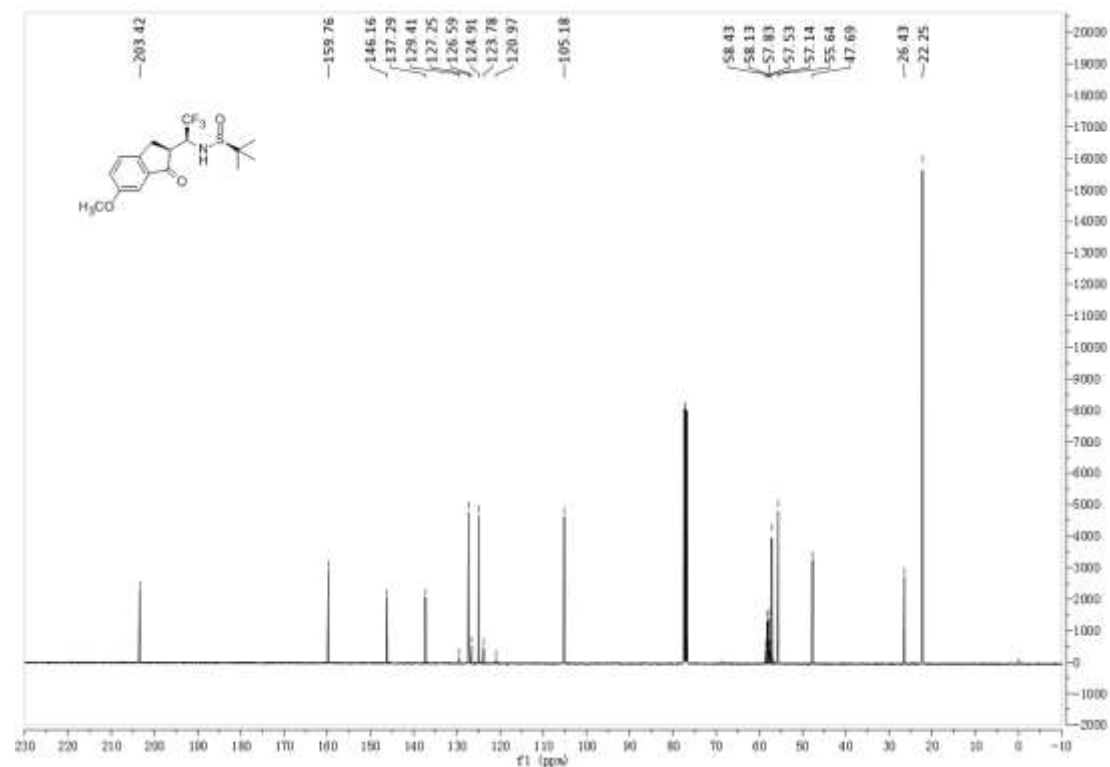
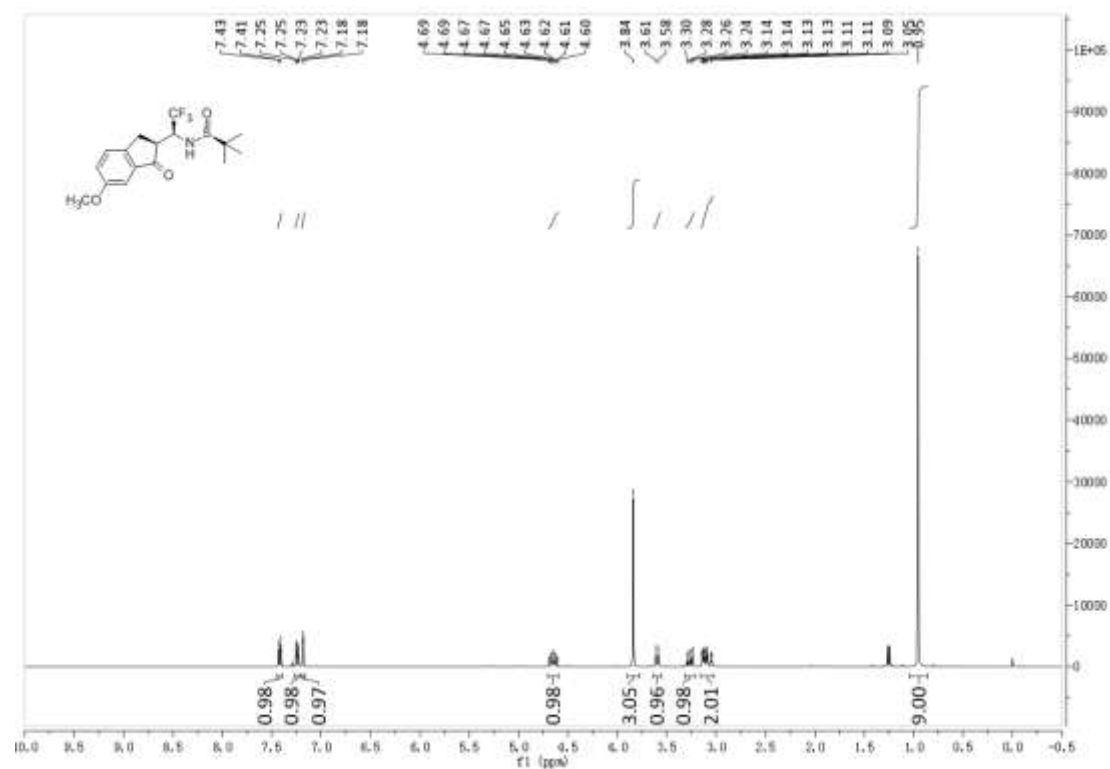
$^1\text{H}$  NMR and  $^{13}\text{C}$  NMR spectrum of **3b**



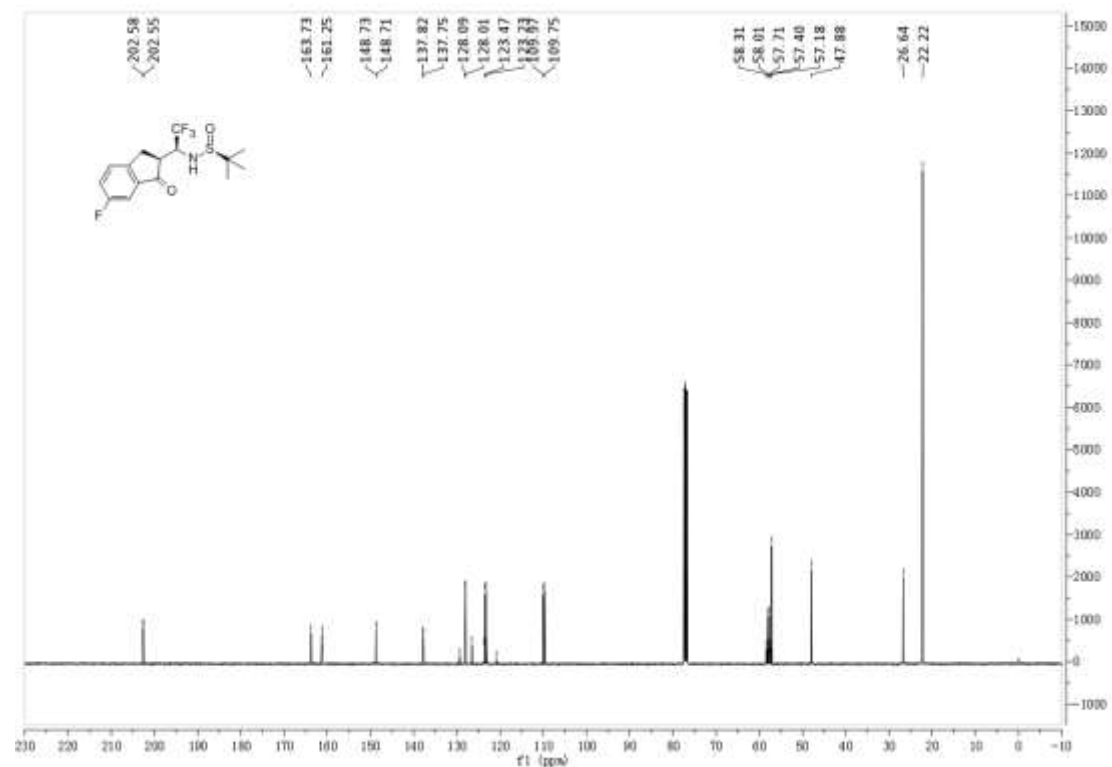
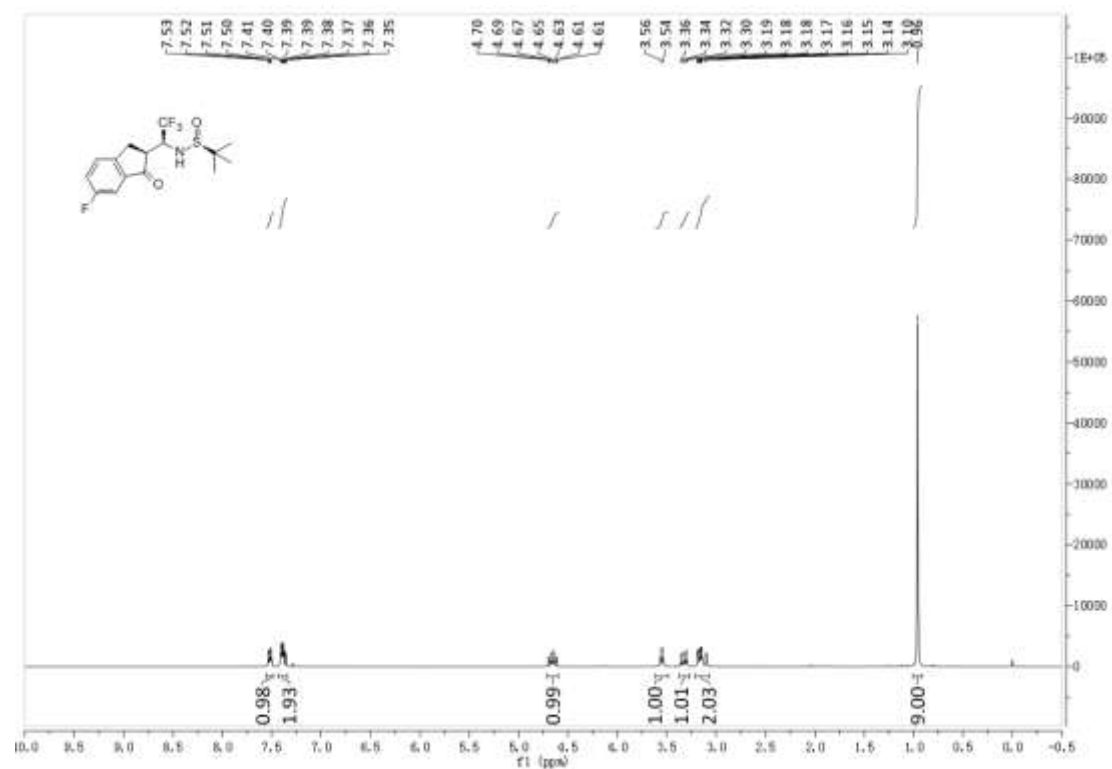
$^1\text{H}$  NMR and  $^{13}\text{C}$  NMR spectrum of **3c**



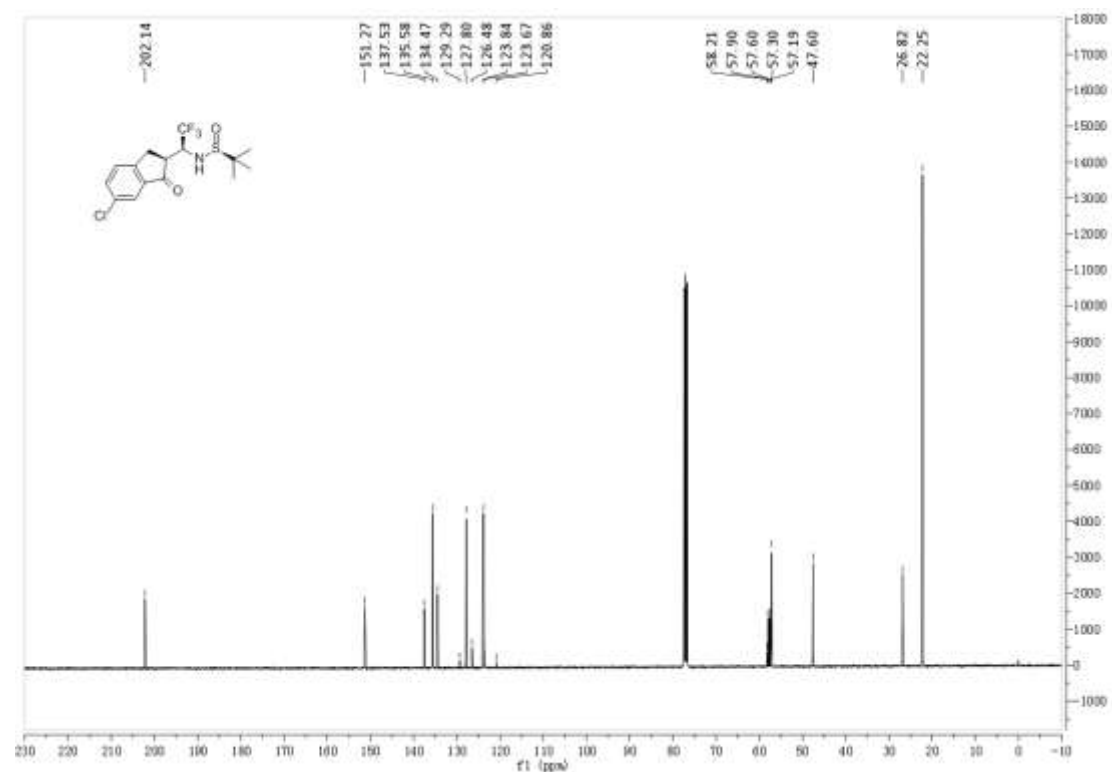
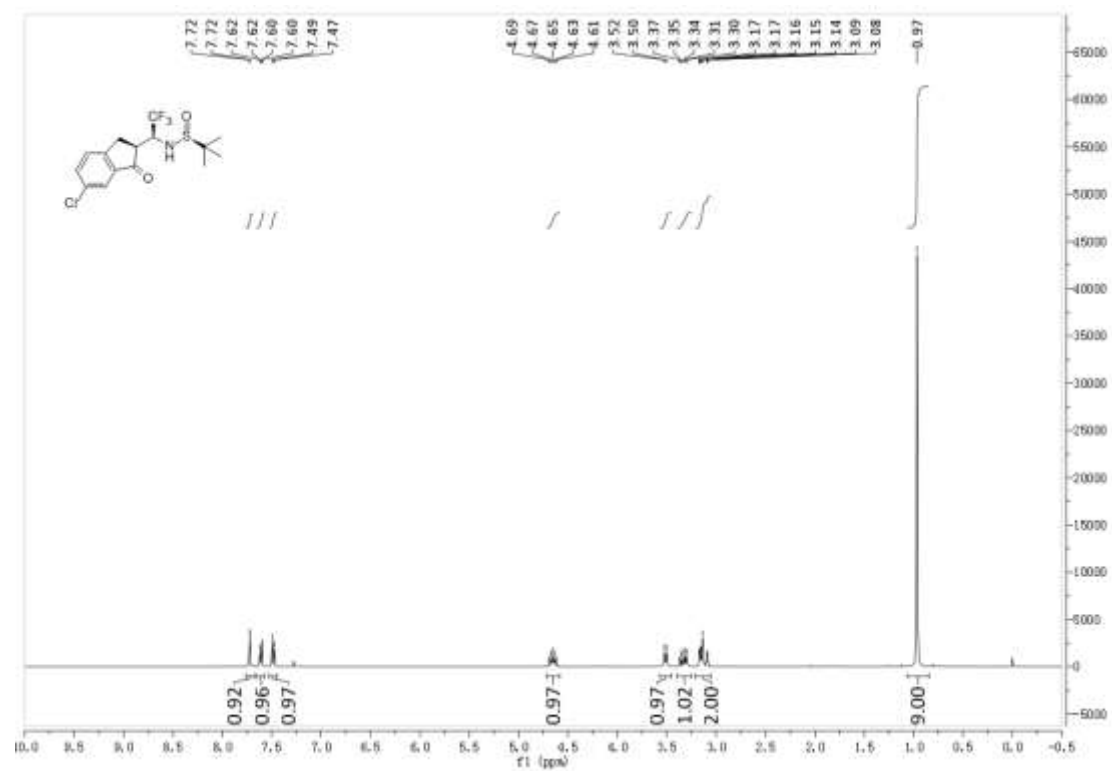
$^1\text{H}$  NMR and  $^{13}\text{C}$  NMR spectrum of **3d**



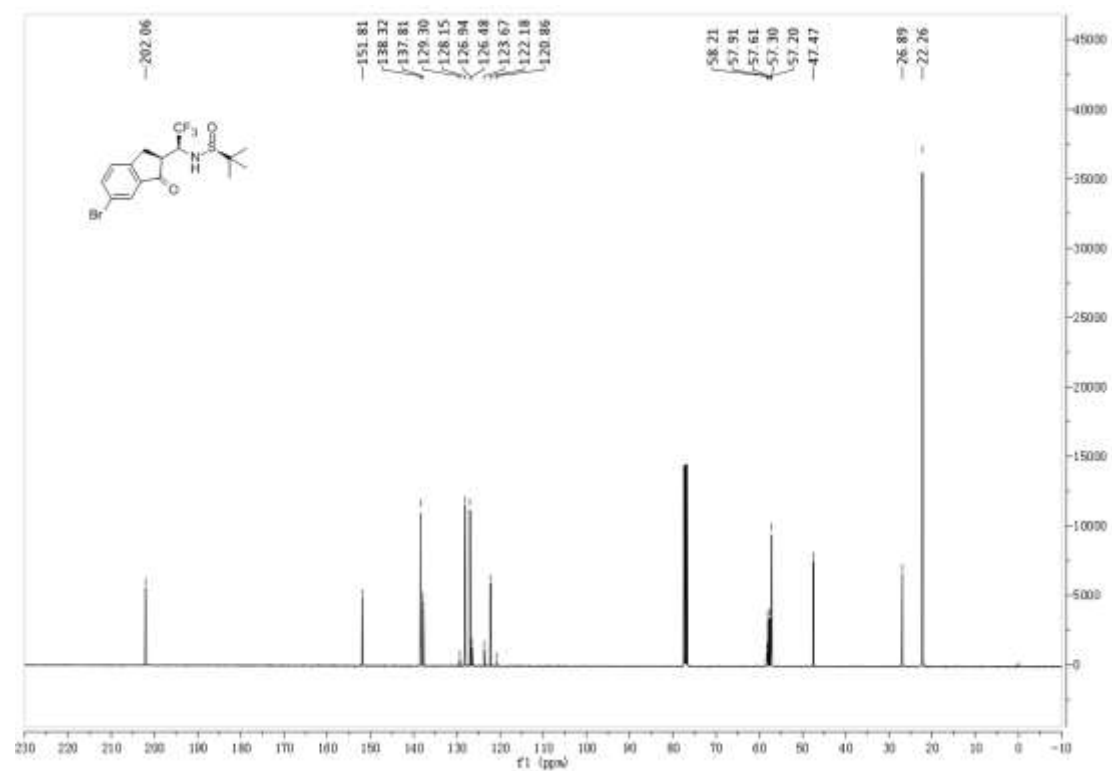
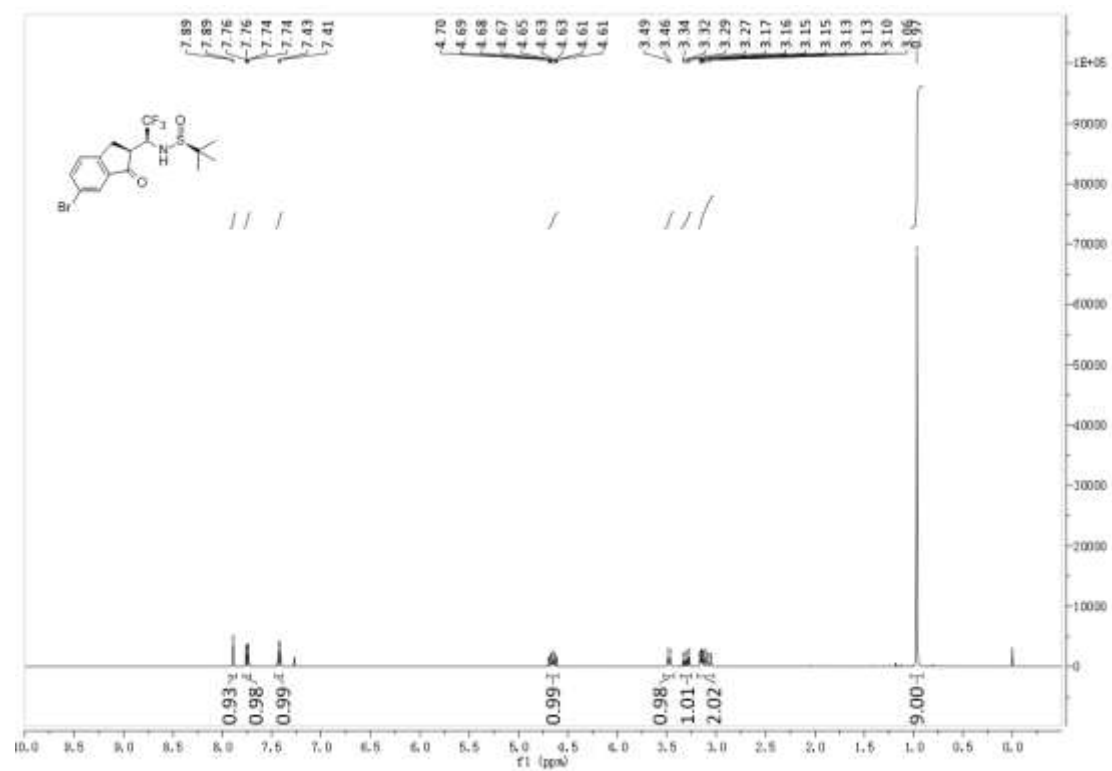
$^1\text{H}$  NMR and  $^{13}\text{C}$  NMR spectrum of **3e**



$^1\text{H}$  NMR and  $^{13}\text{C}$  NMR spectrum of **3f**

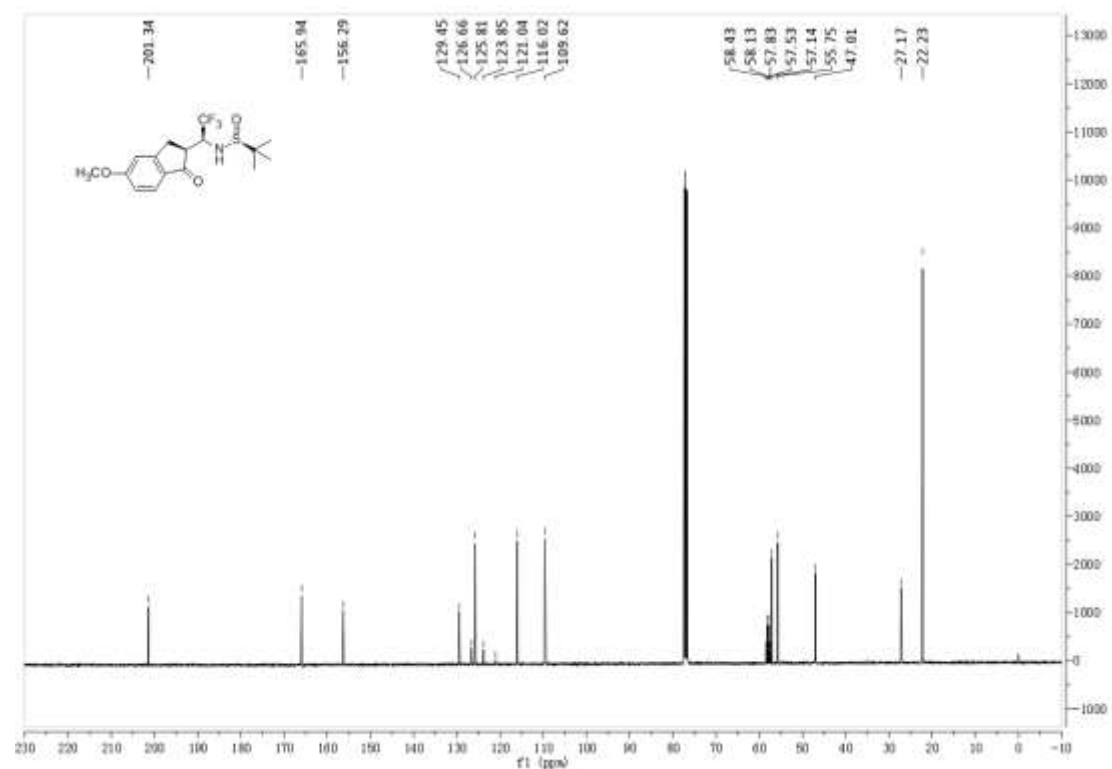
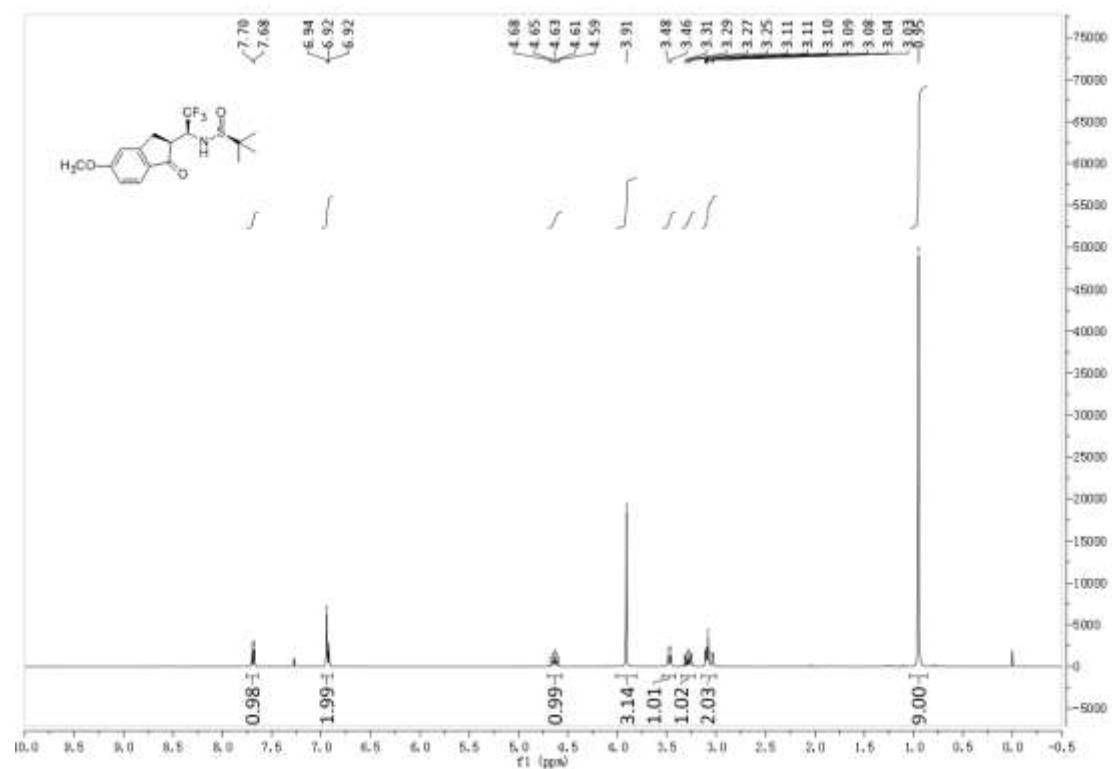


$^1\text{H}$  NMR and  $^{13}\text{C}$  NMR spectrum of **3g**

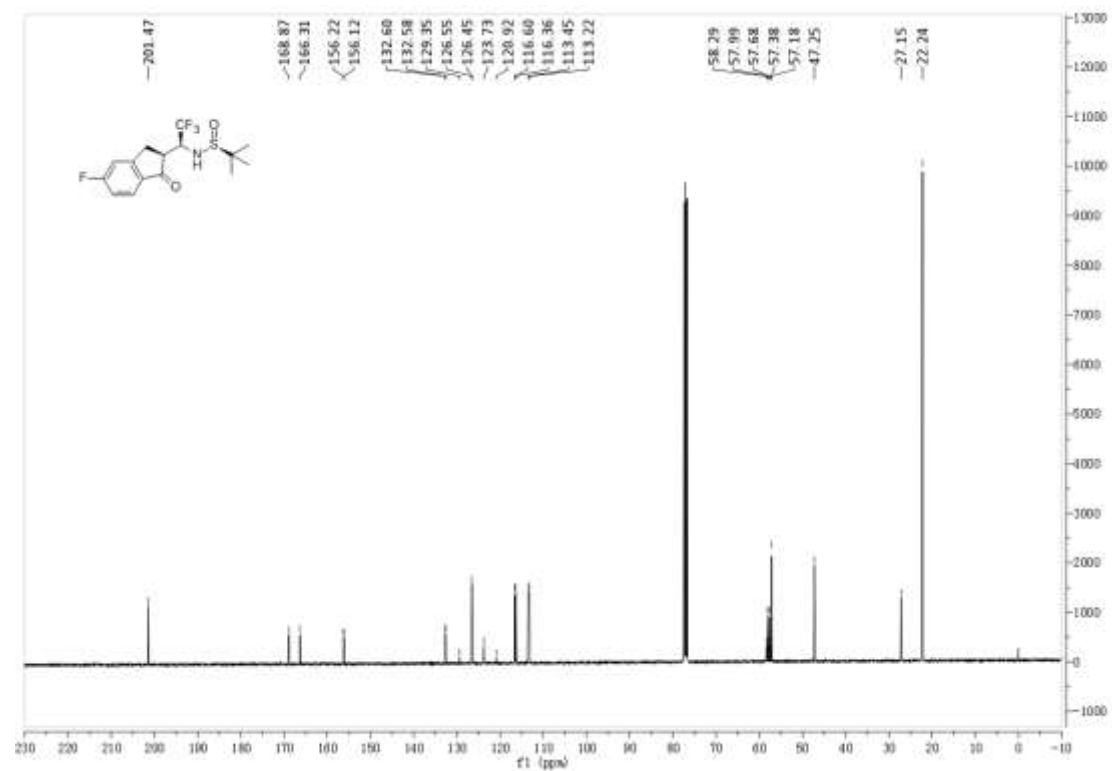
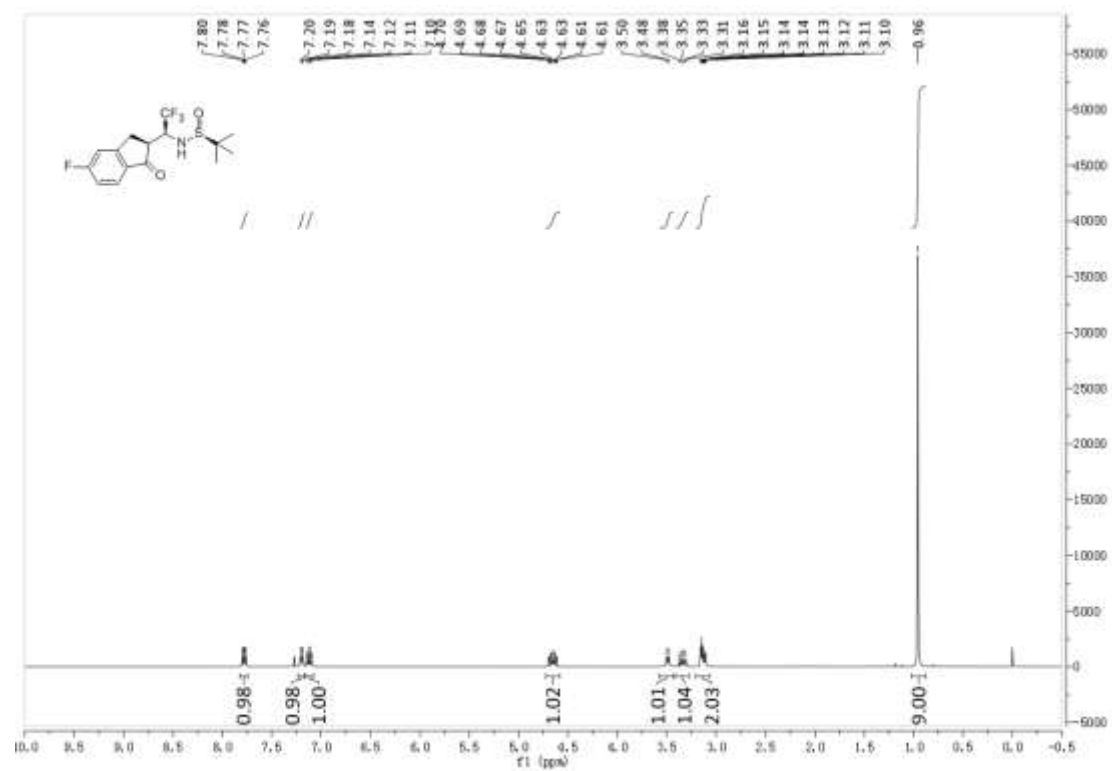




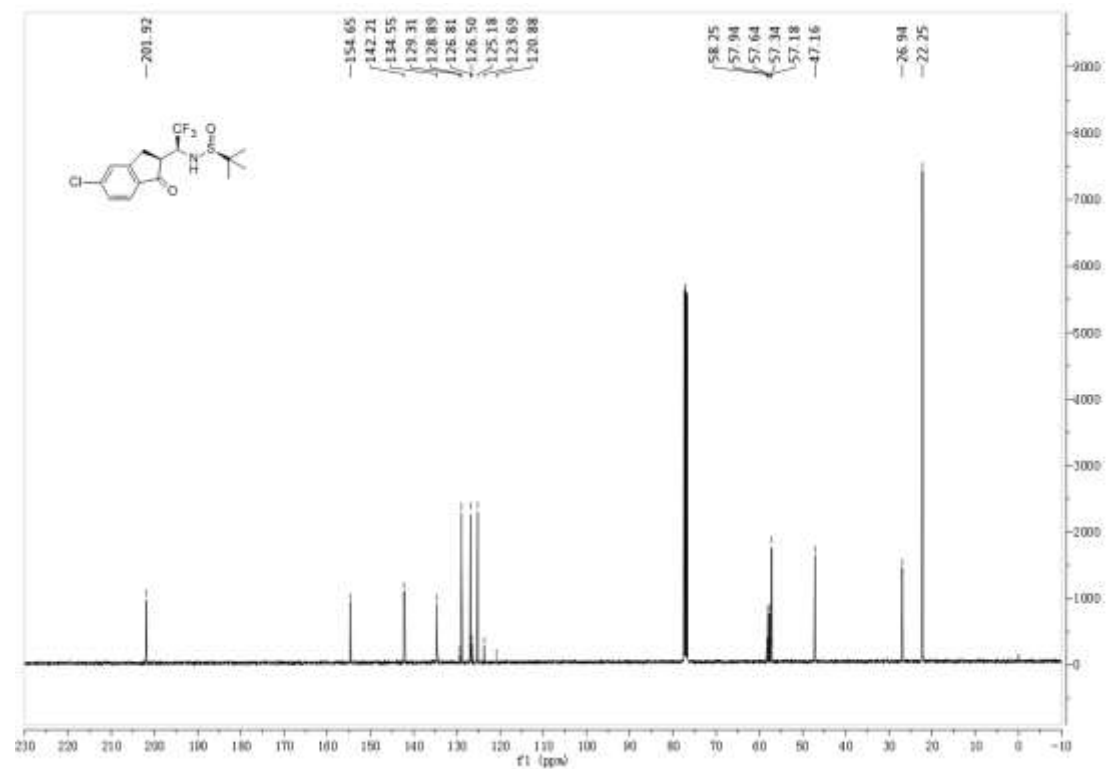
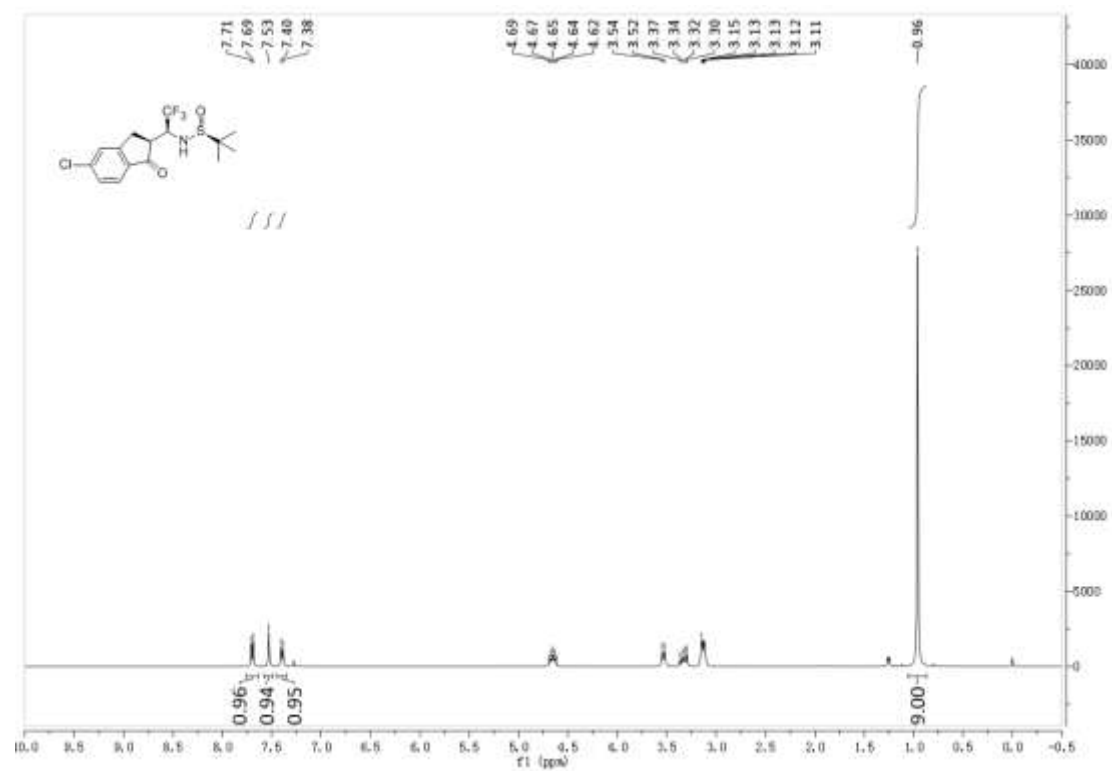
$^1\text{H}$  NMR and  $^{13}\text{C}$  NMR spectrum of **3h**



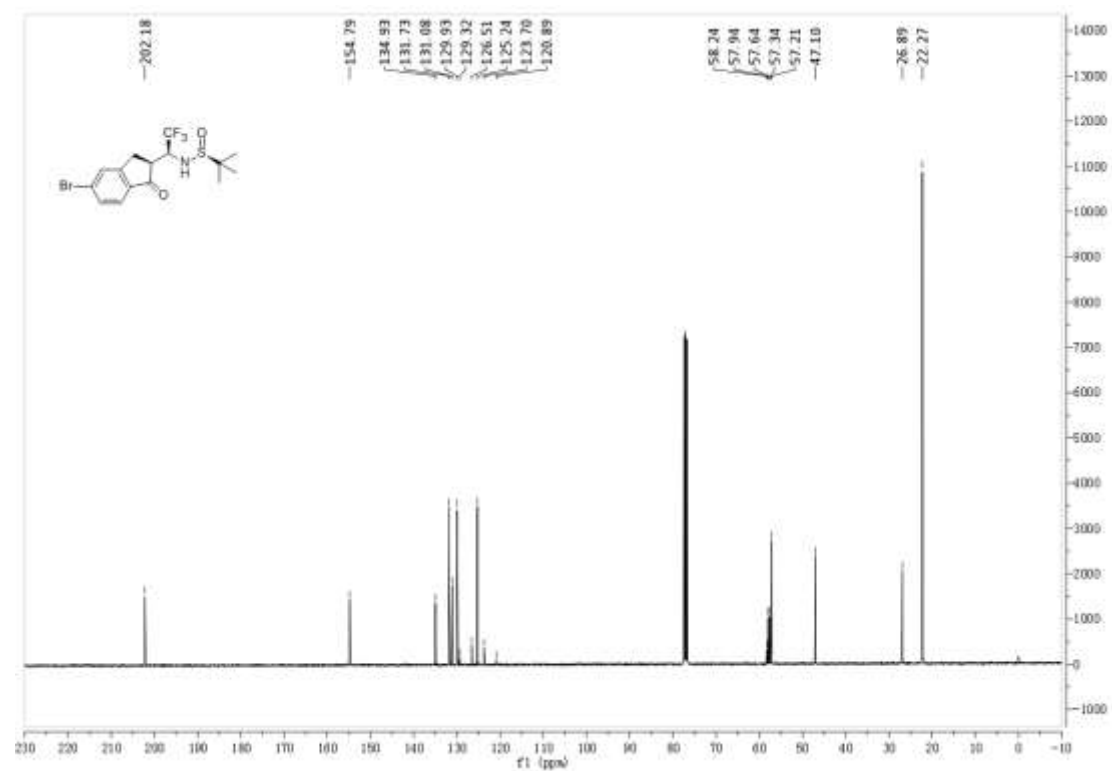
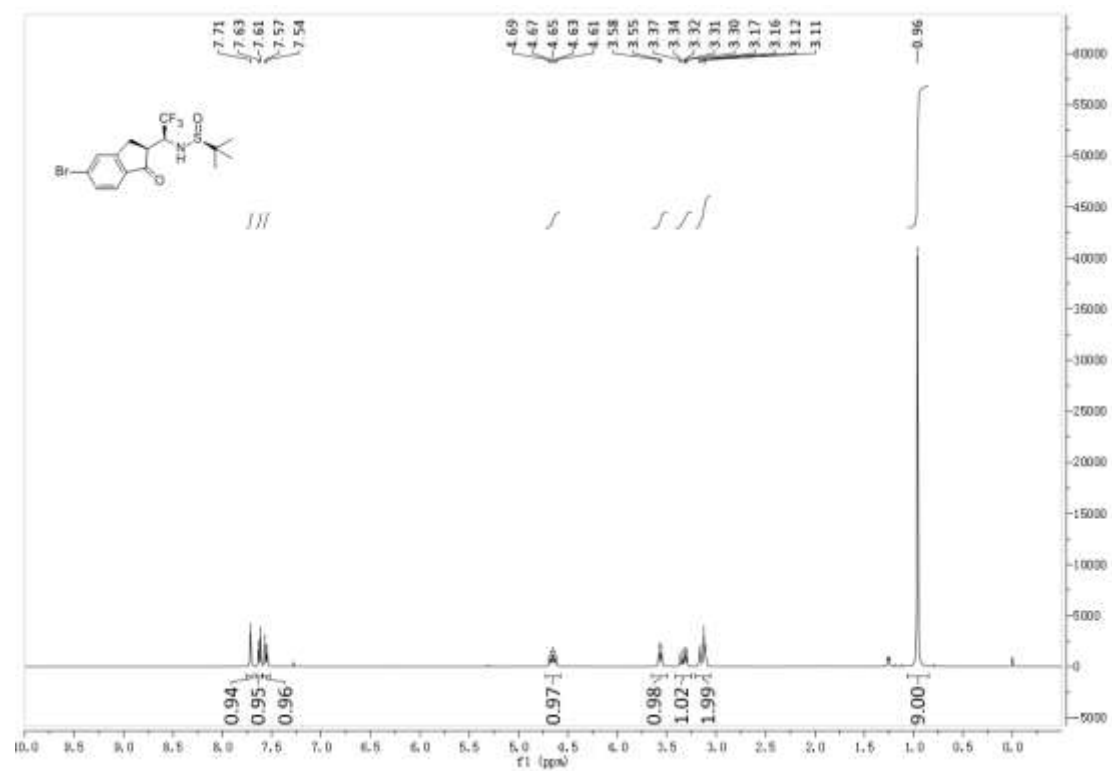
$^1\text{H}$  NMR and  $^{13}\text{C}$  NMR spectrum of **3i**



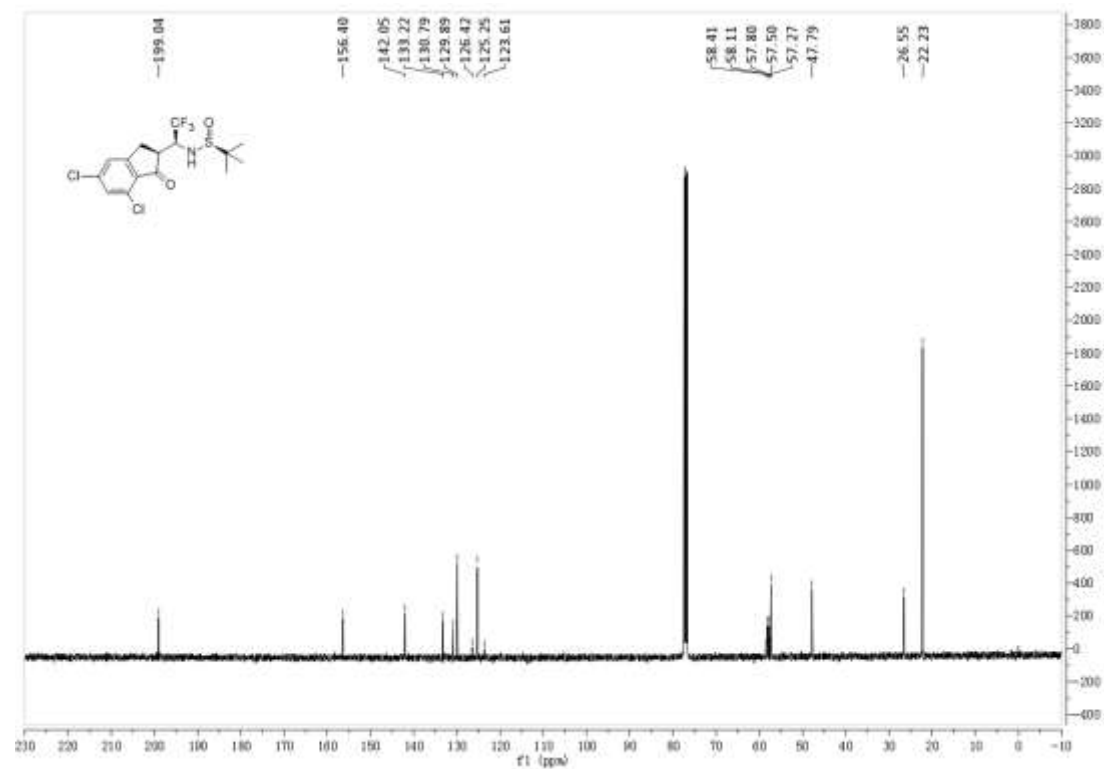
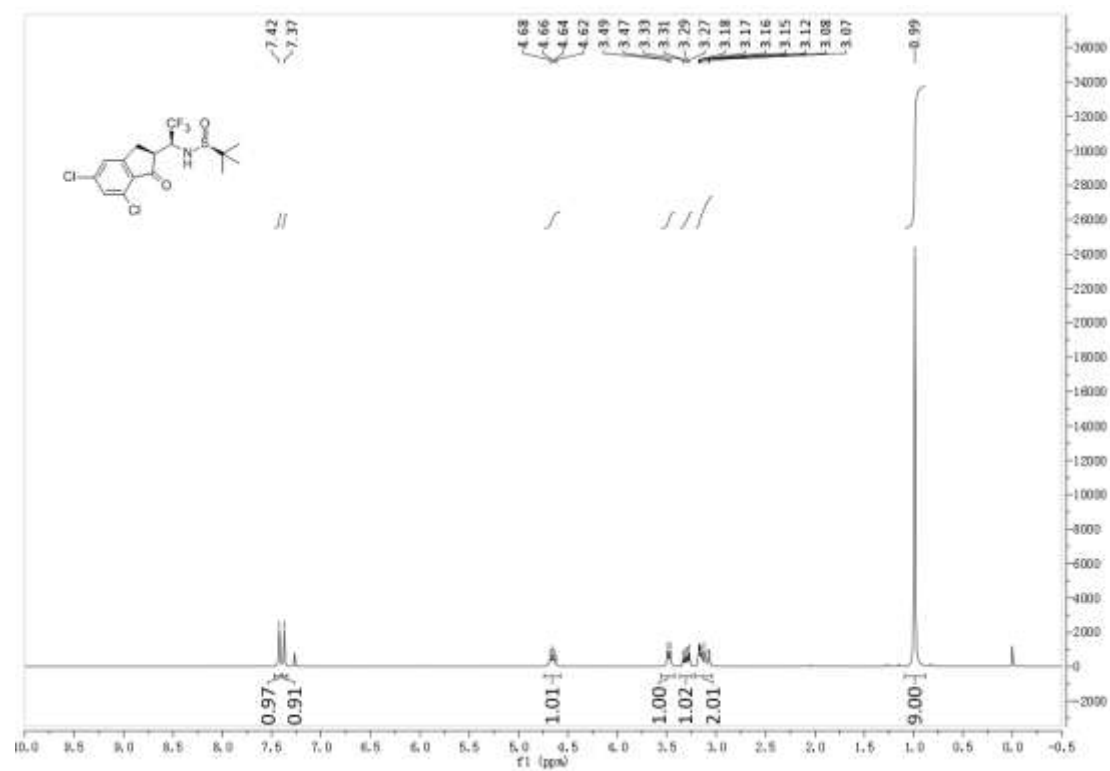
$^1\text{H}$  NMR and  $^{13}\text{C}$  NMR spectrum of **3j**



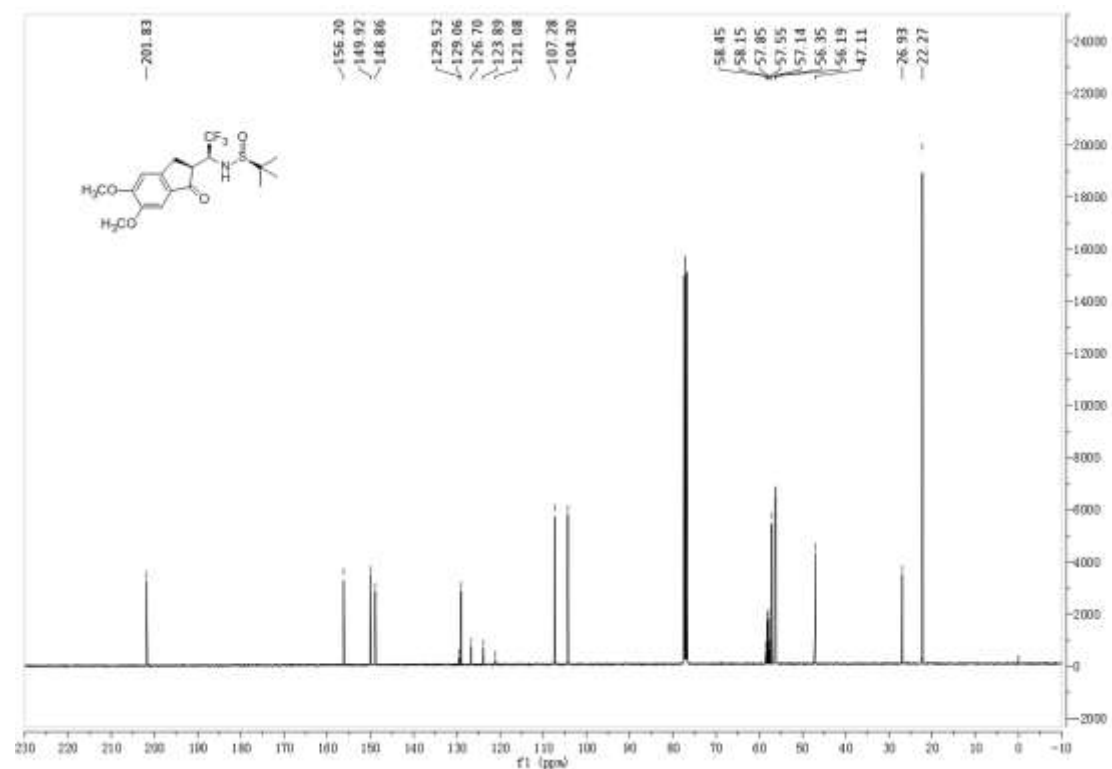
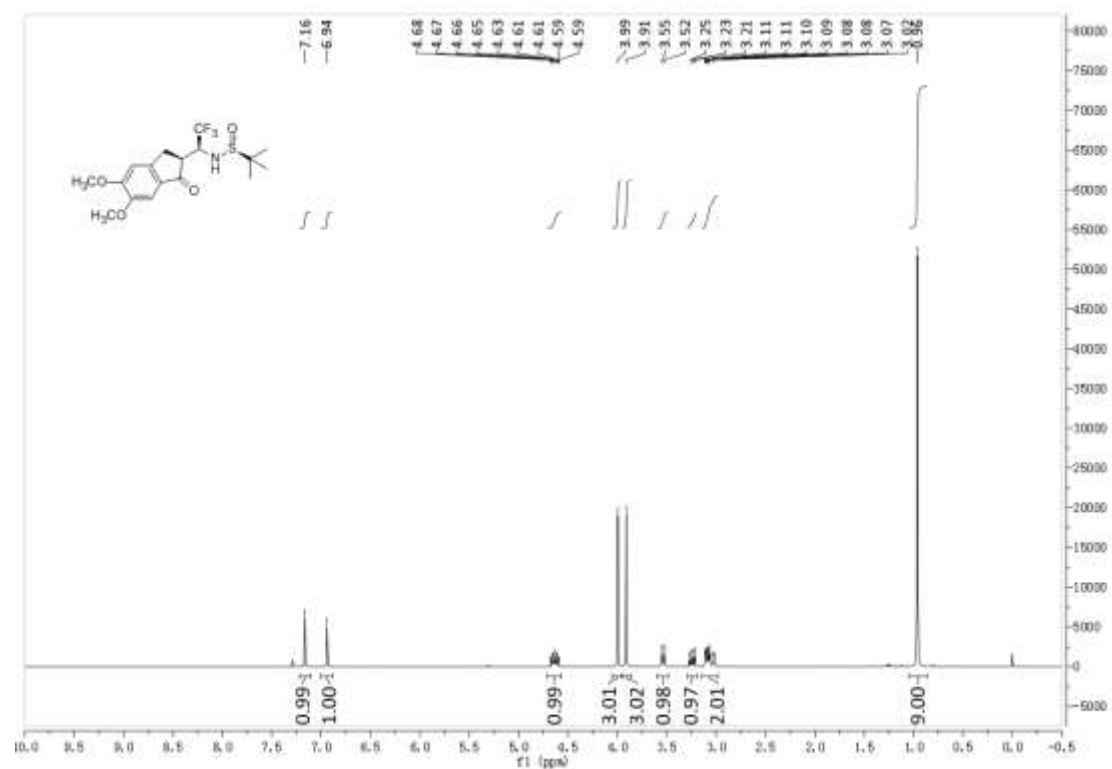
$^1\text{H}$  NMR and  $^{13}\text{C}$  NMR spectrum of **3k**



$^1\text{H}$  NMR and  $^{13}\text{C}$  NMR spectrum of **31**



$^1\text{H}$  NMR and  $^{13}\text{C}$  NMR spectrum of **3m**



$^1\text{H}$  NMR and  $^{13}\text{C}$  NMR spectrum of **4a**

