

**[3, 3]-Sigmatropic Rearrangement of Allenic Alcohols: Stereoselective Synthesis  
of 1,3-Diene-2-ol Sulfonates**

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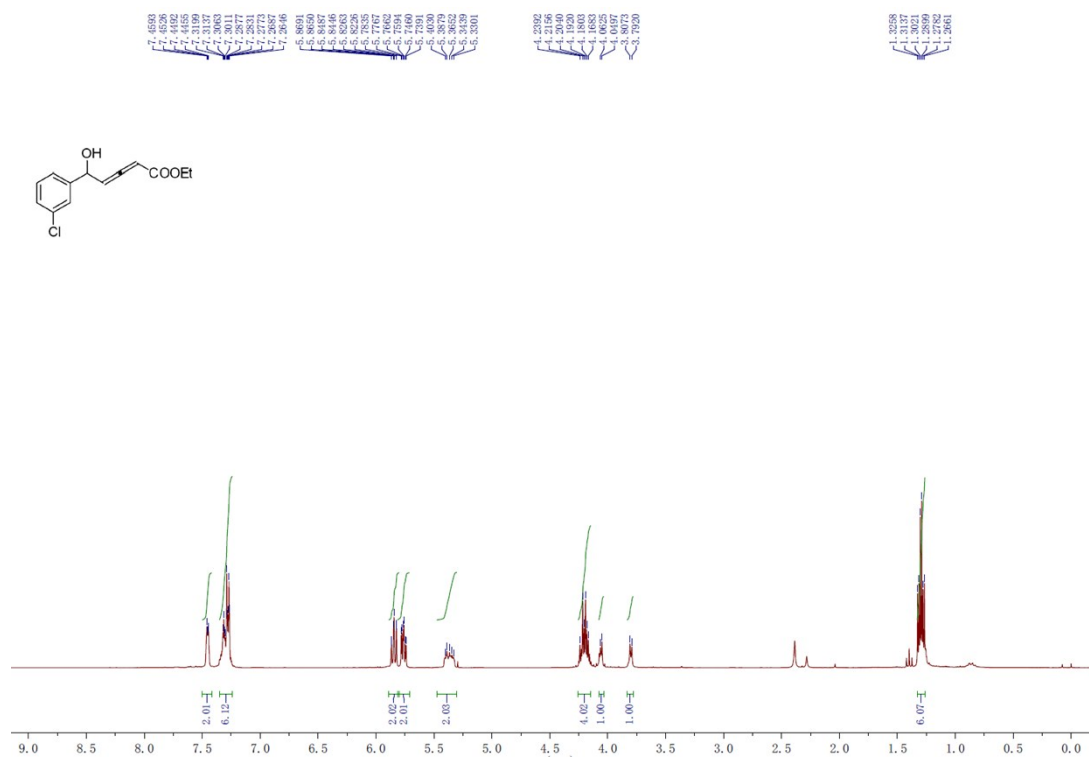
**Supporting Information**

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# <sup>1</sup>H and <sup>13</sup>C NMR Spectra of 2

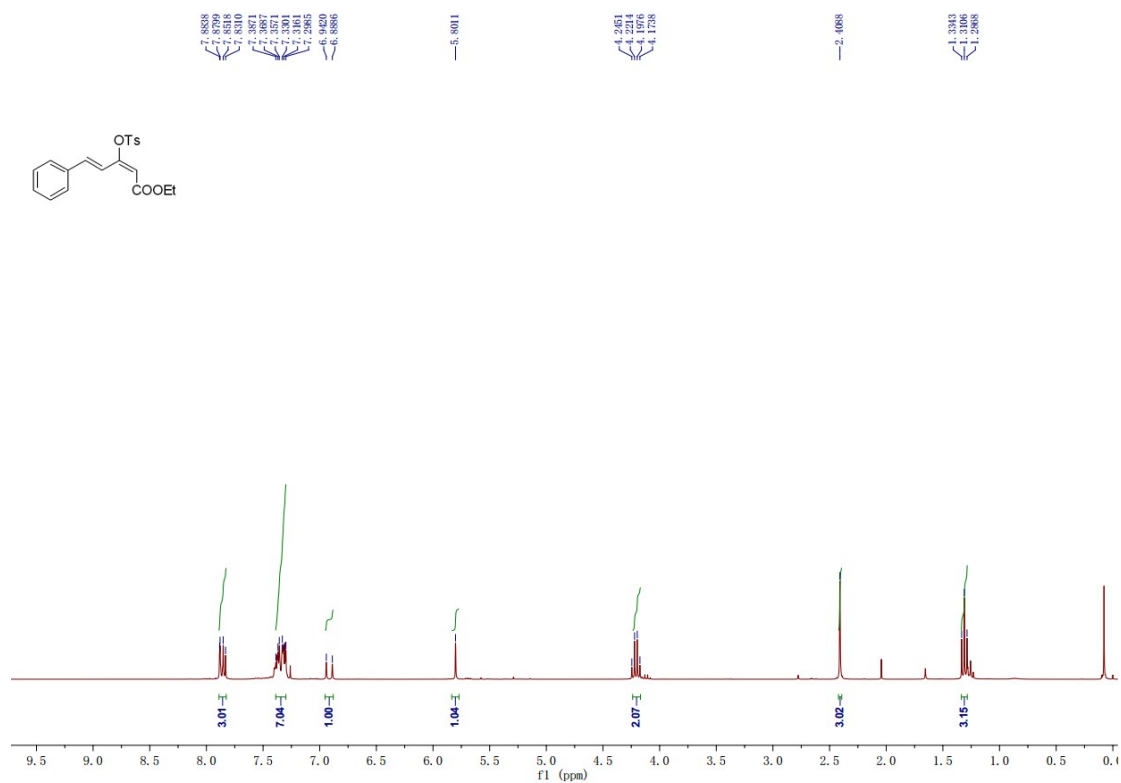
## <sup>1</sup>H NMR spectrum of compound 2h



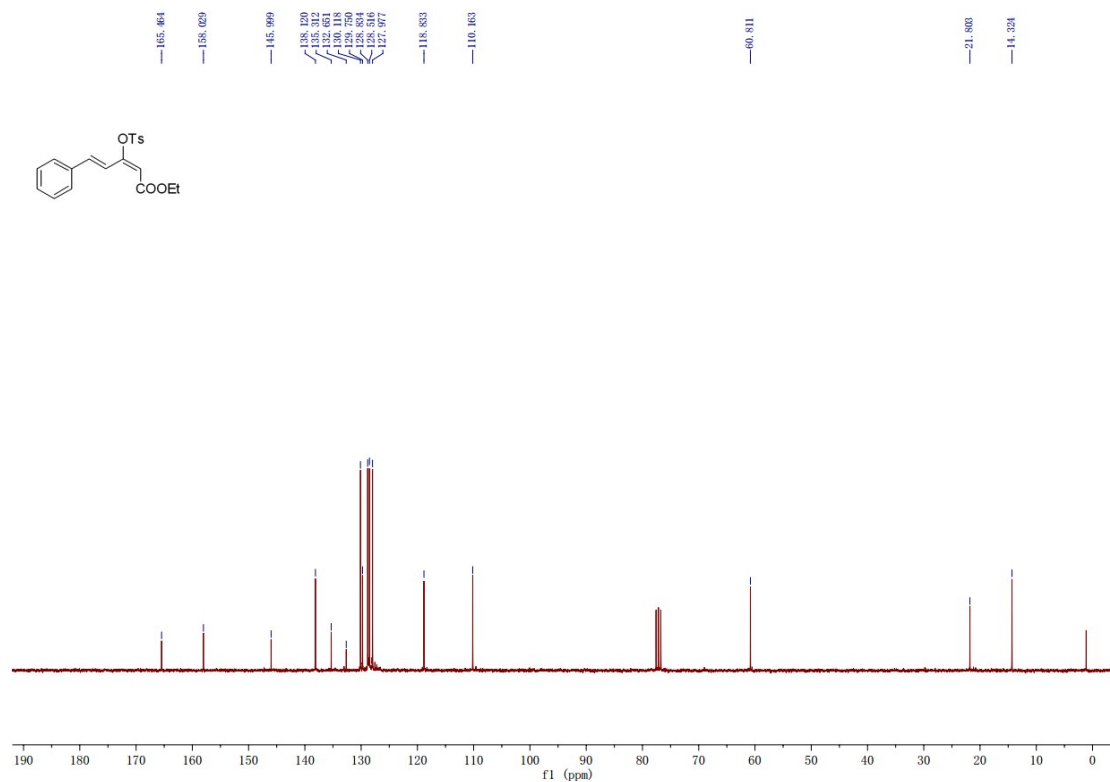


# $^1\text{H}$ and $^{13}\text{C}$ NMR Spectra of 3

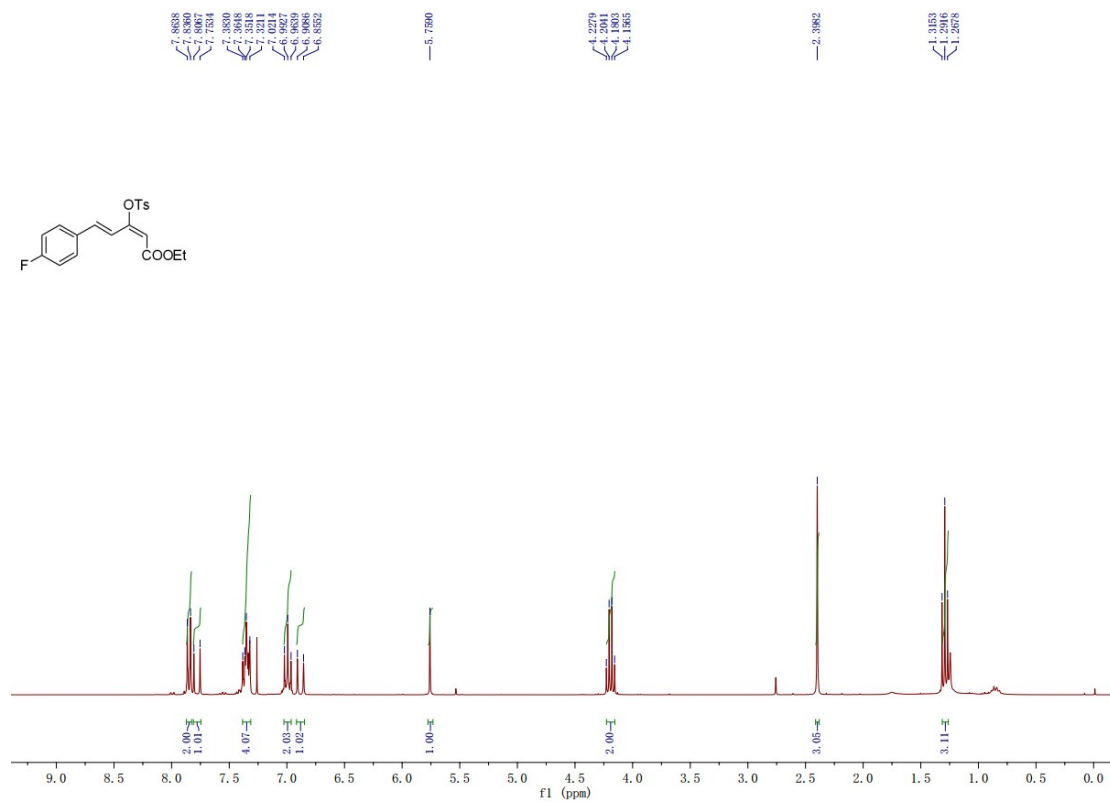
## $^1\text{H}$ NMR spectrum of compound 3a



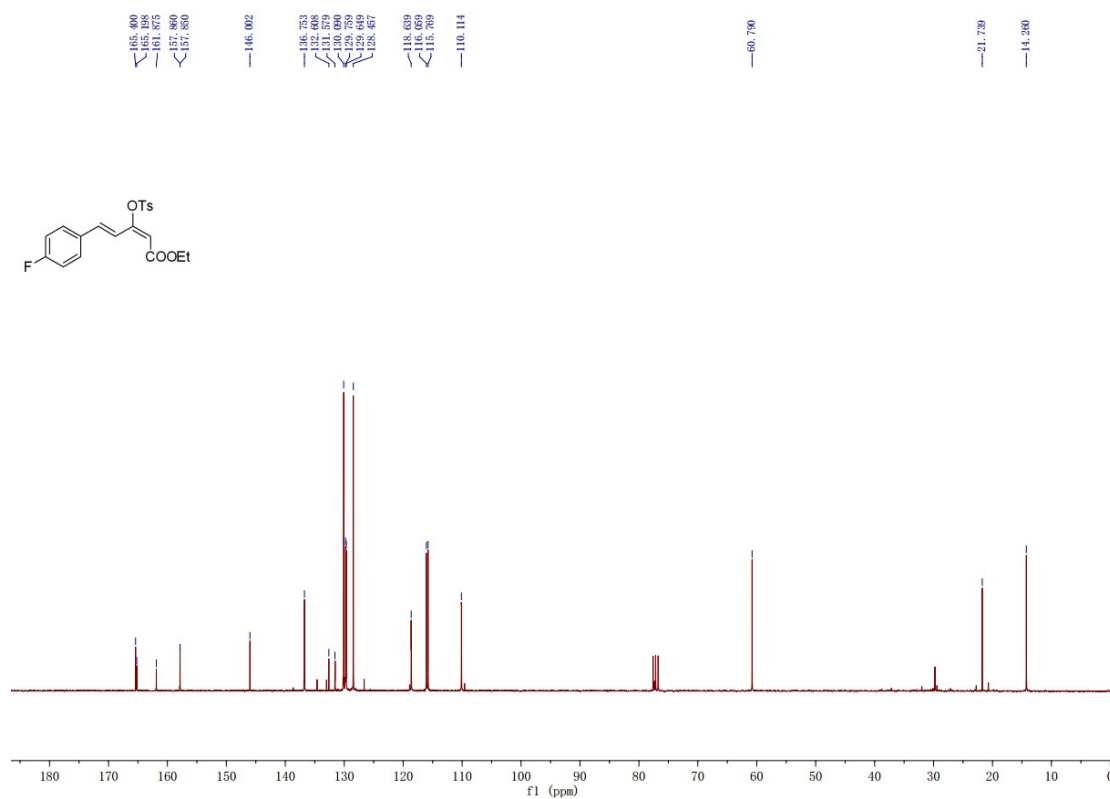
## $^{13}\text{C}$ NMR spectrum of compound 3a



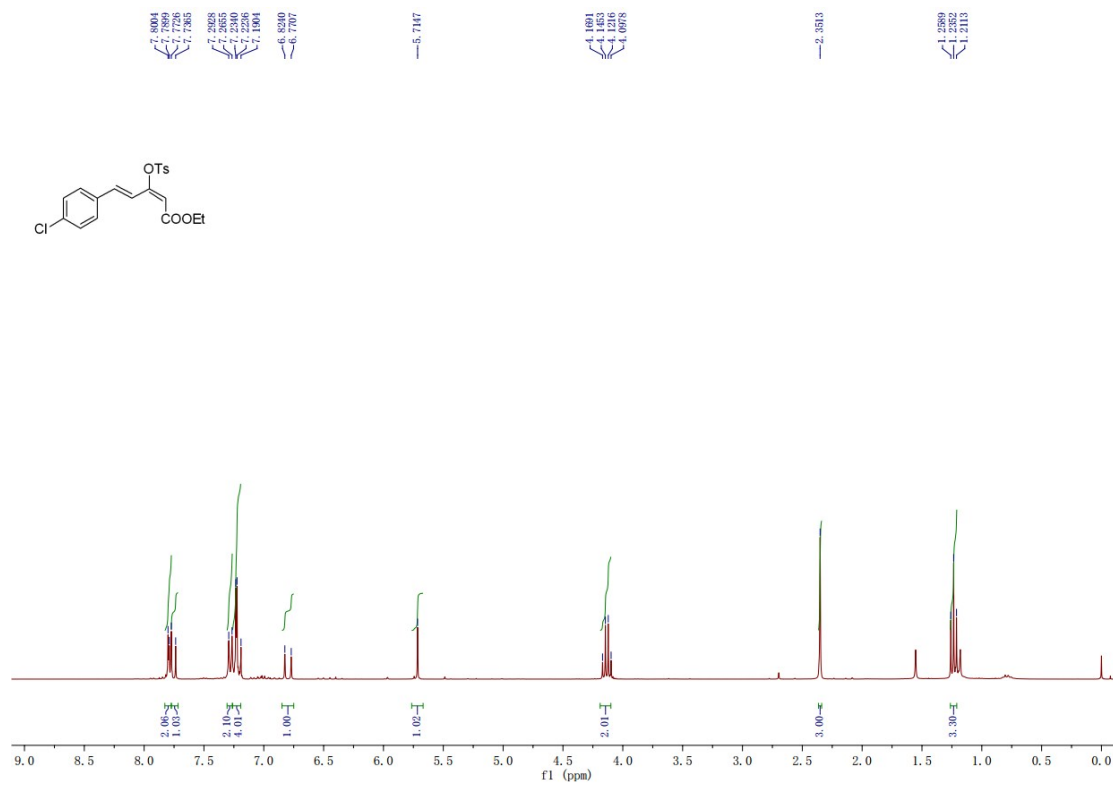
### <sup>1</sup>H NMR spectrum of compound 3b



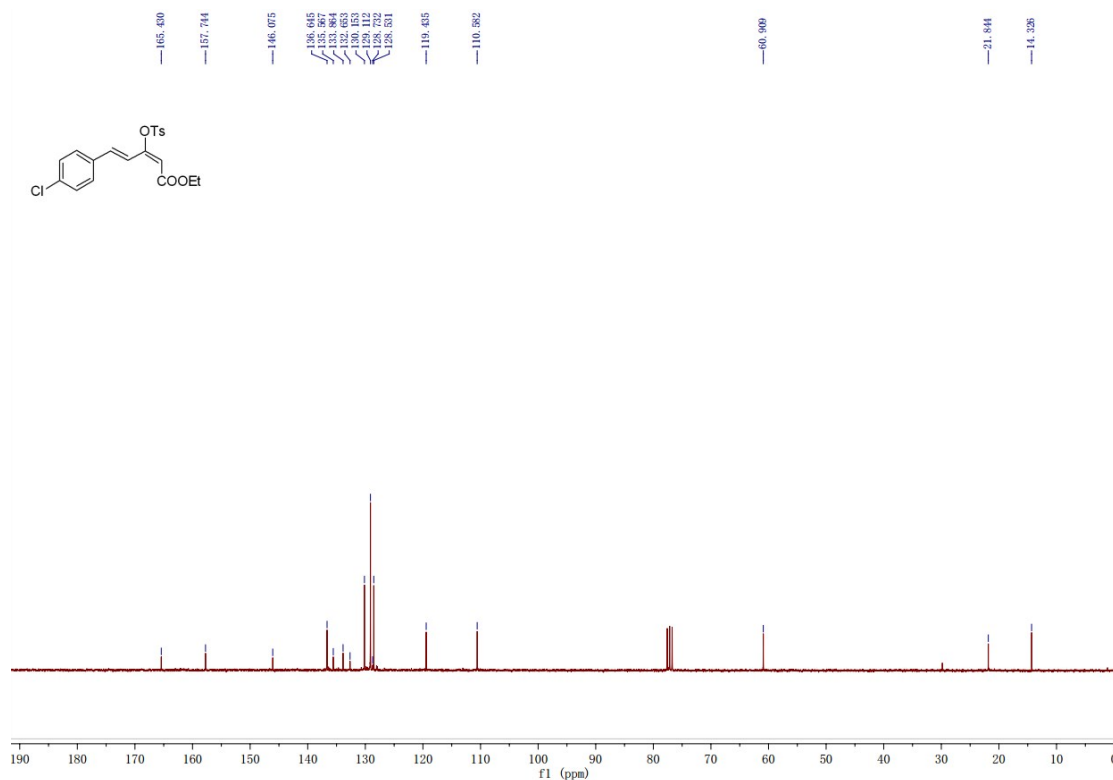
### <sup>13</sup>C NMR spectrum of compound 3b



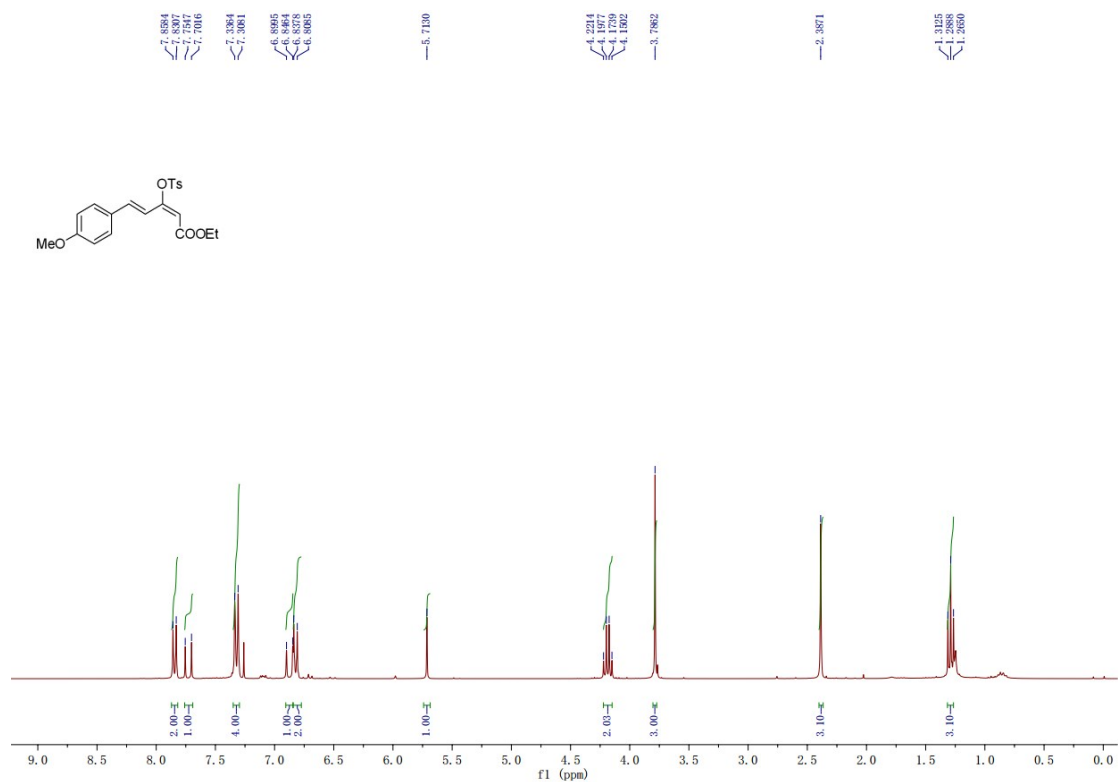
### <sup>1</sup>H NMR spectrum of compound 3c



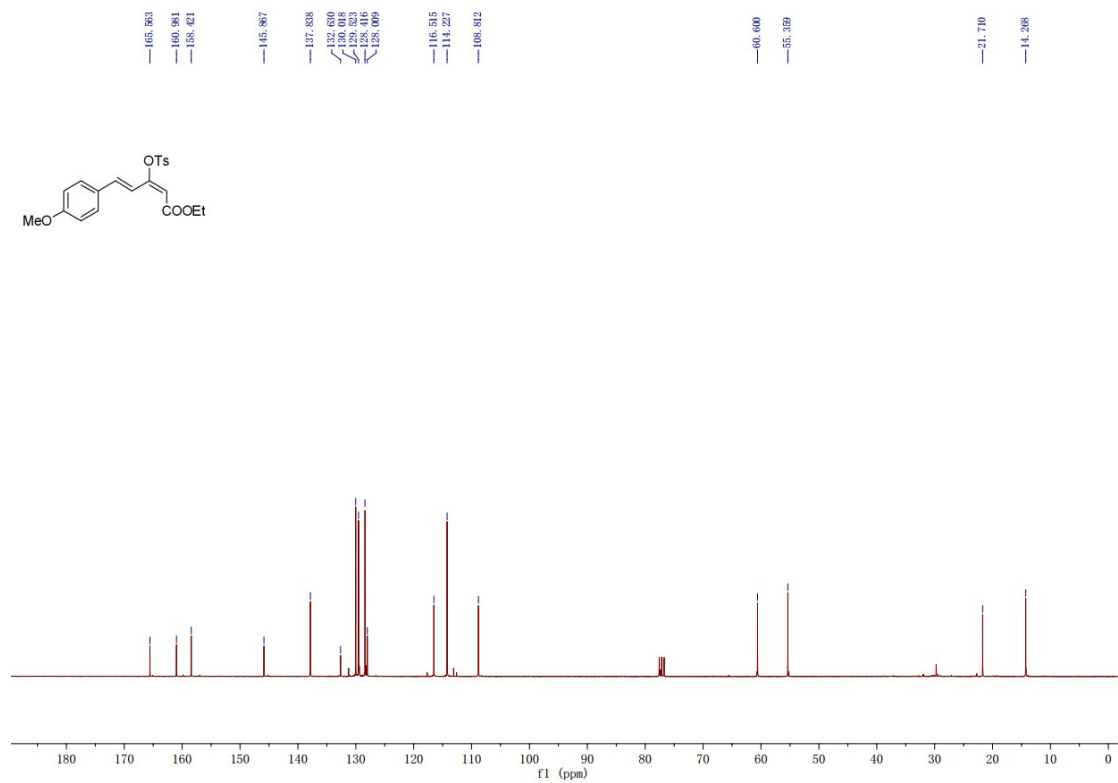
### <sup>13</sup>C NMR spectrum of compound 3c



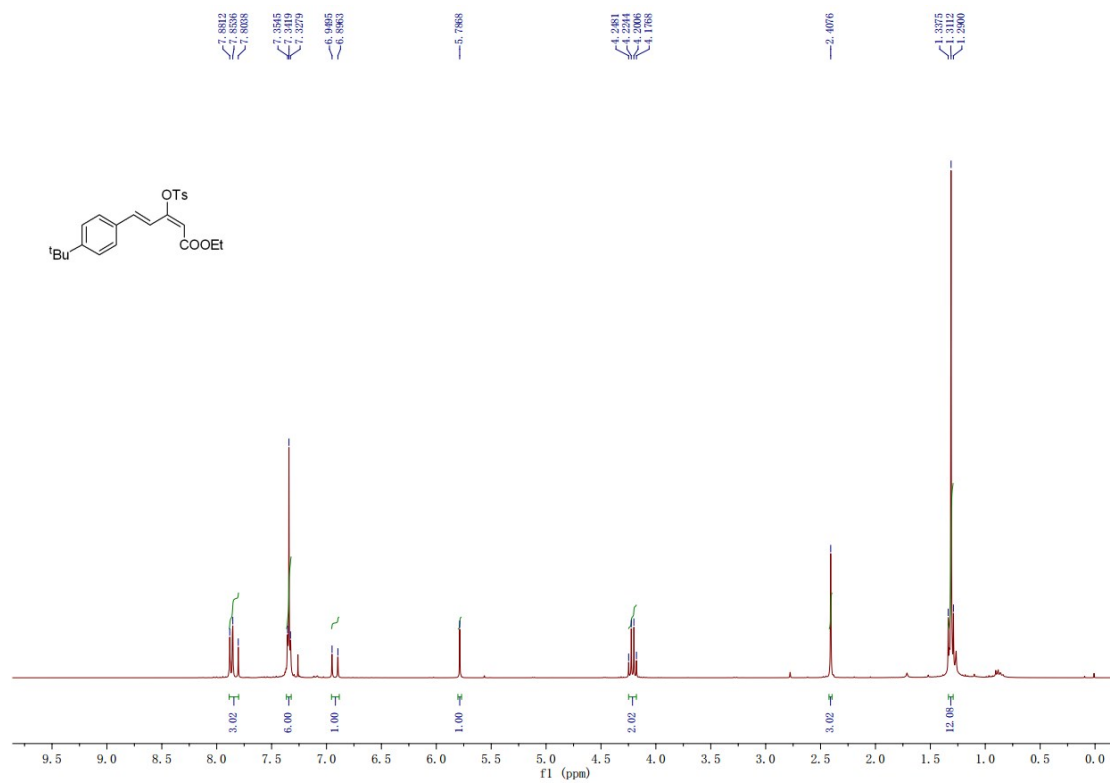
### <sup>1</sup>H NMR spectrum of compound 3d



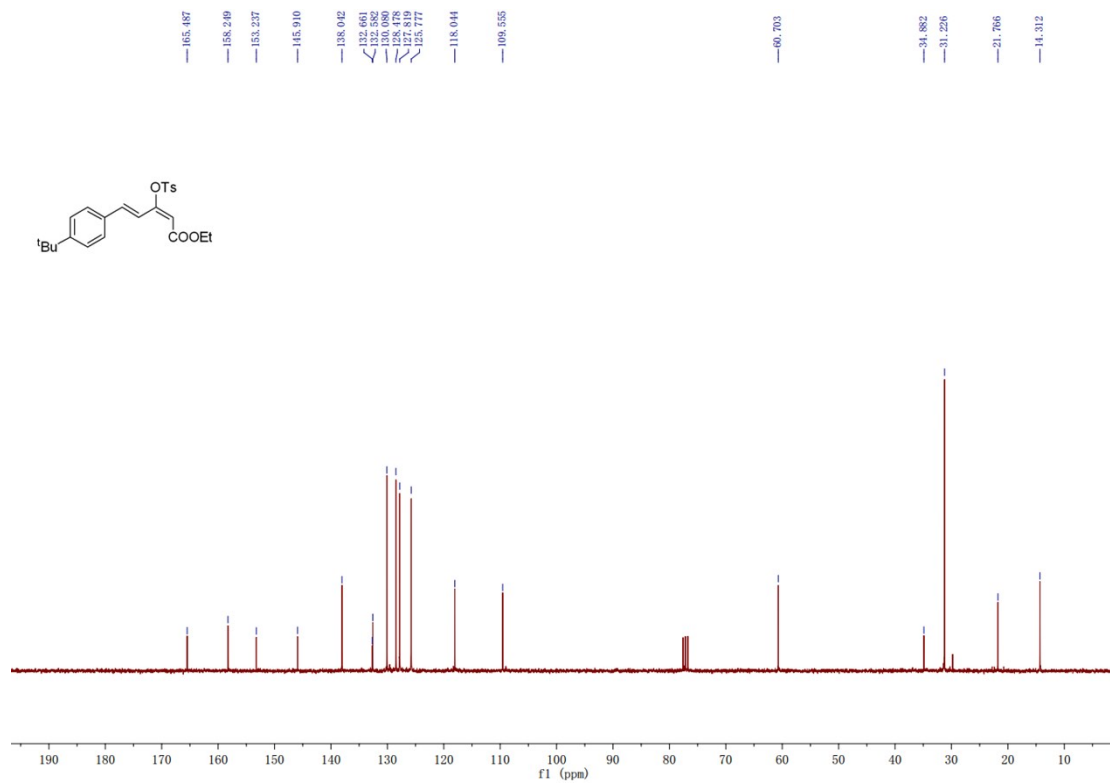
### <sup>13</sup>C NMR spectrum of compound 3d



# <sup>1</sup>H NMR spectrum of compound 3e

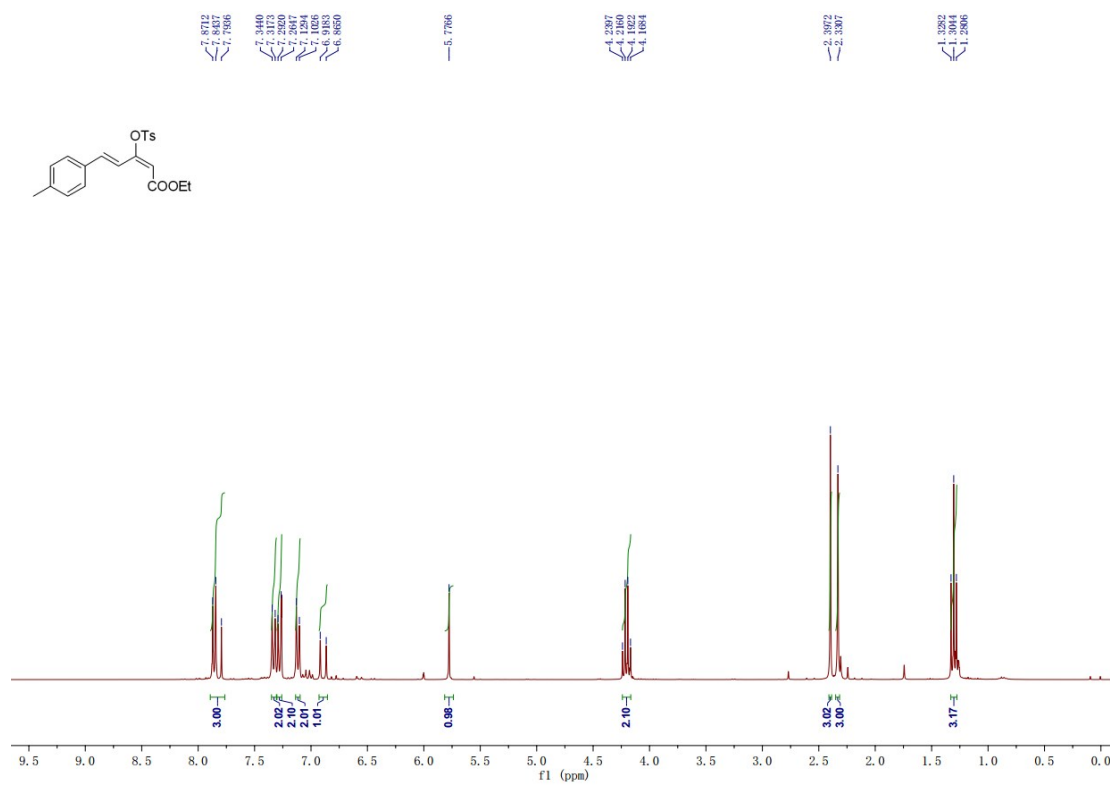


# <sup>13</sup>C NMR spectrum of compound 3e

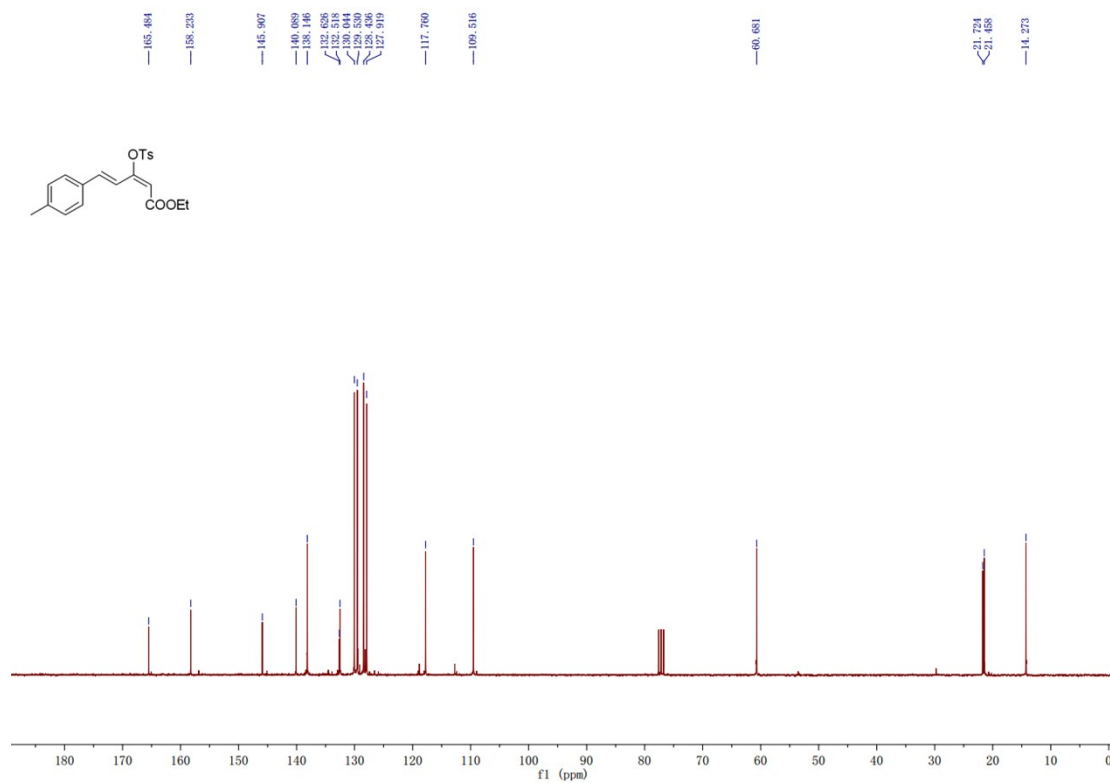




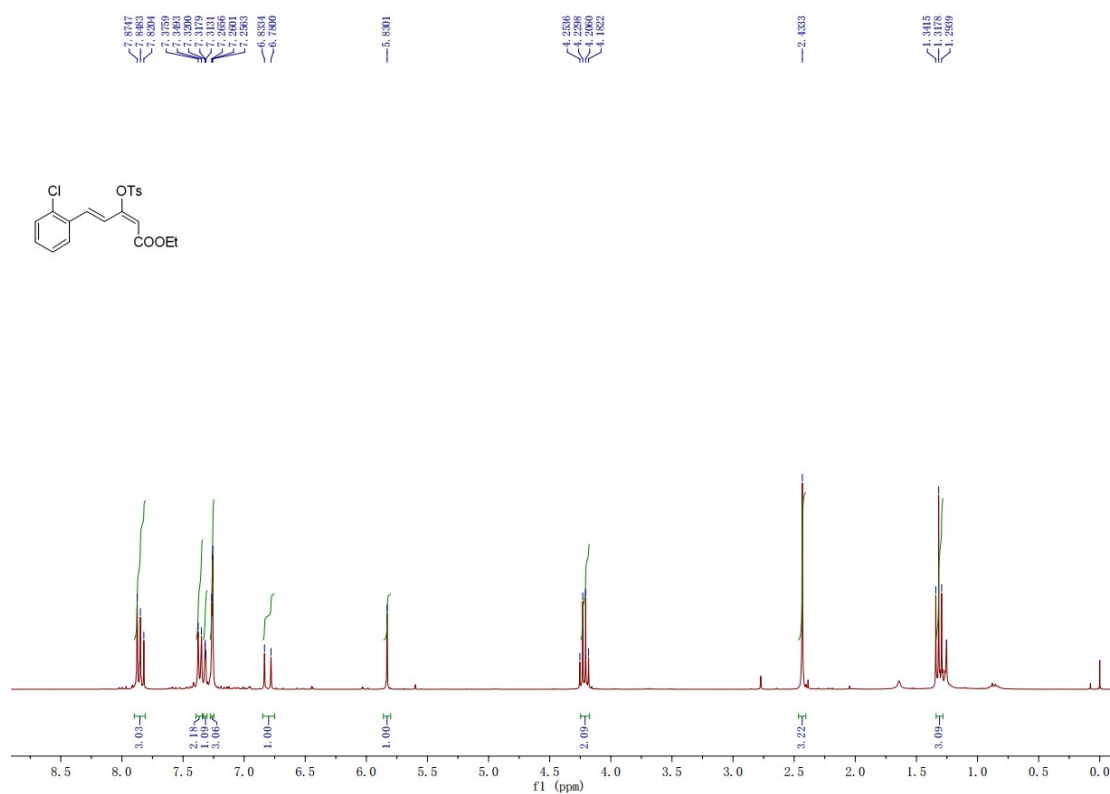
# <sup>1</sup>H NMR spectrum of compound 3f



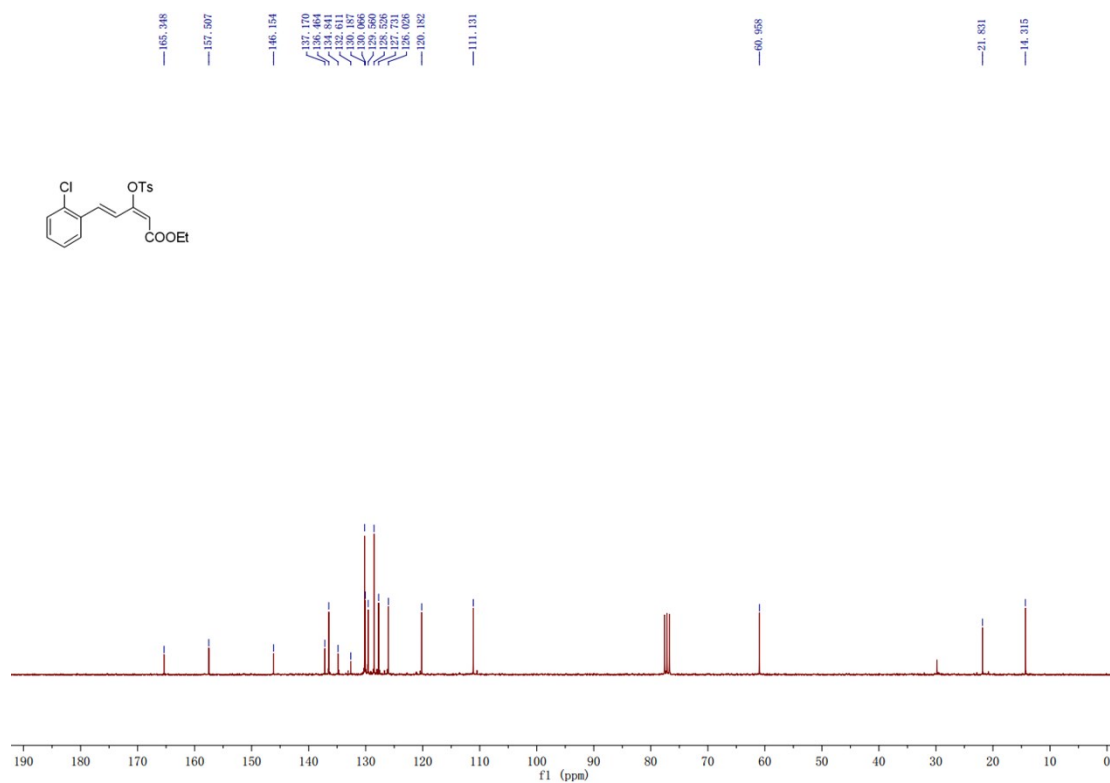
# <sup>13</sup>C NMR spectrum of compound 3f



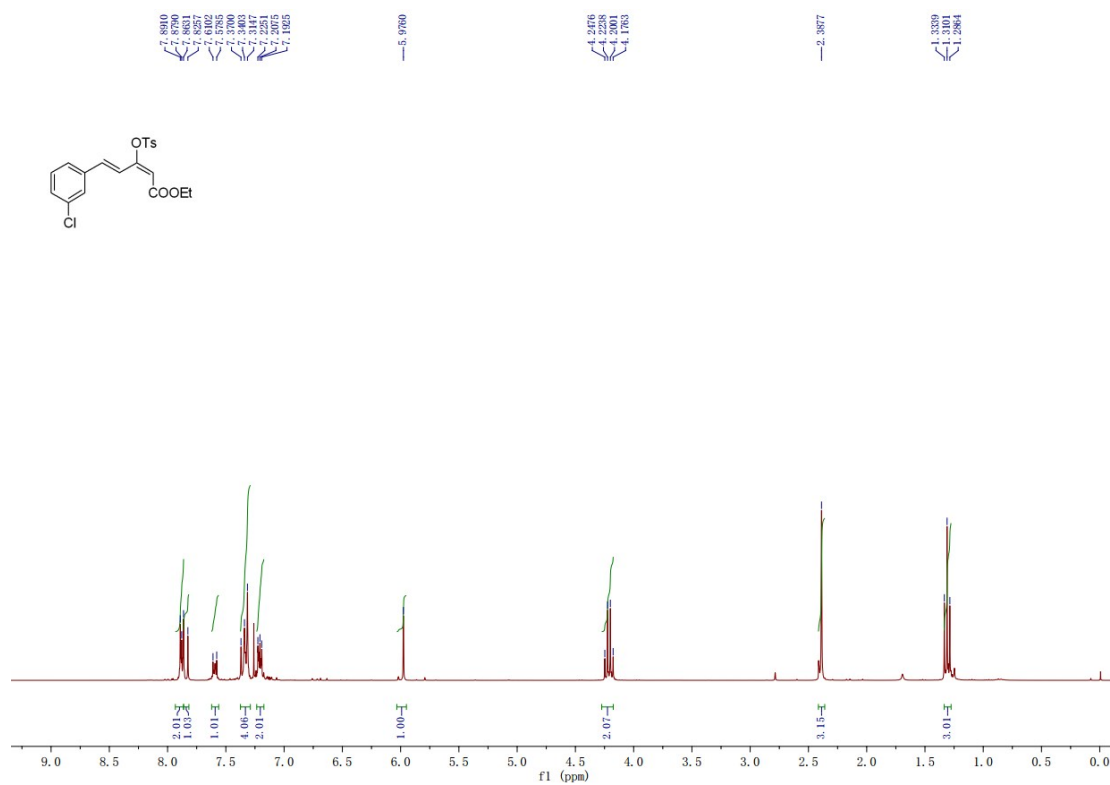
# <sup>1</sup>H NMR spectrum of compound 3g



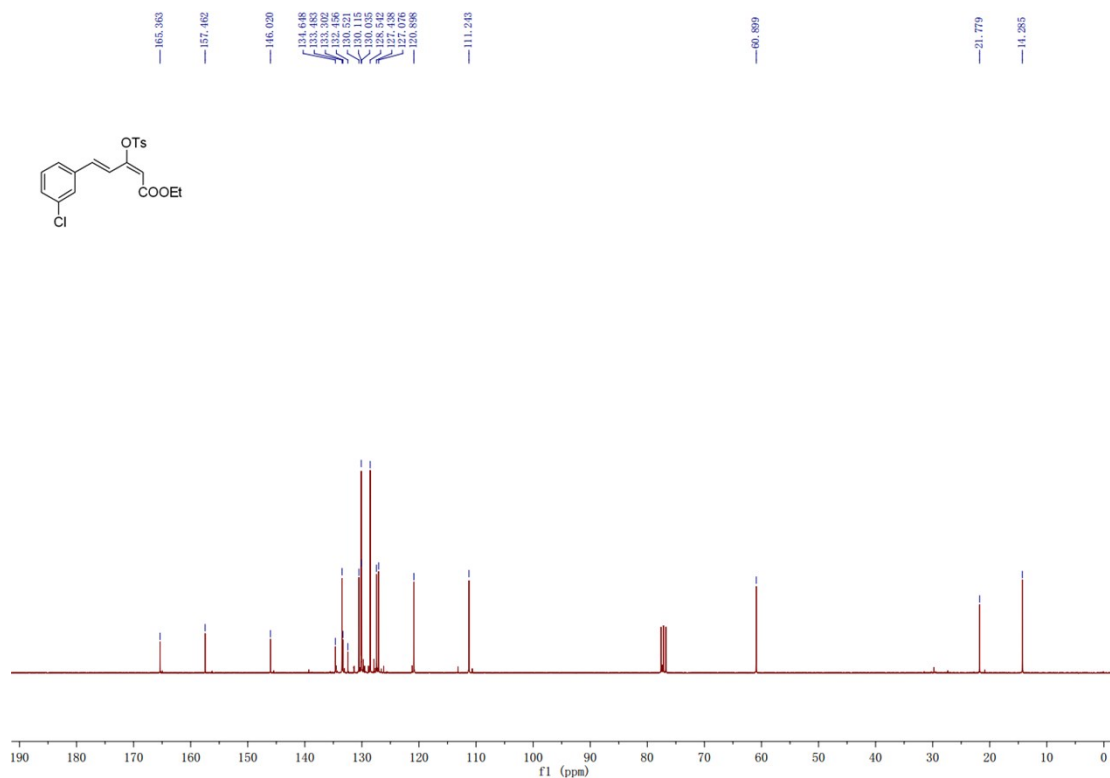
# <sup>13</sup>C NMR spectrum of compound 3g



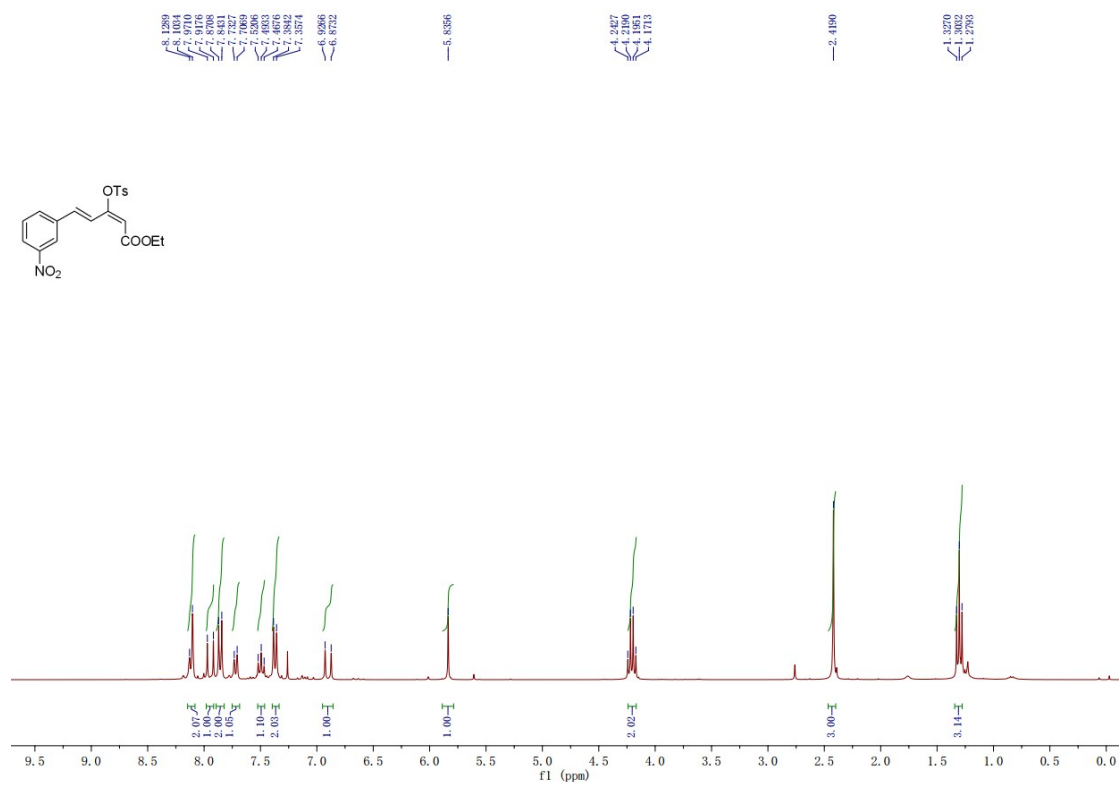
### <sup>1</sup>H NMR spectrum of compound 3h



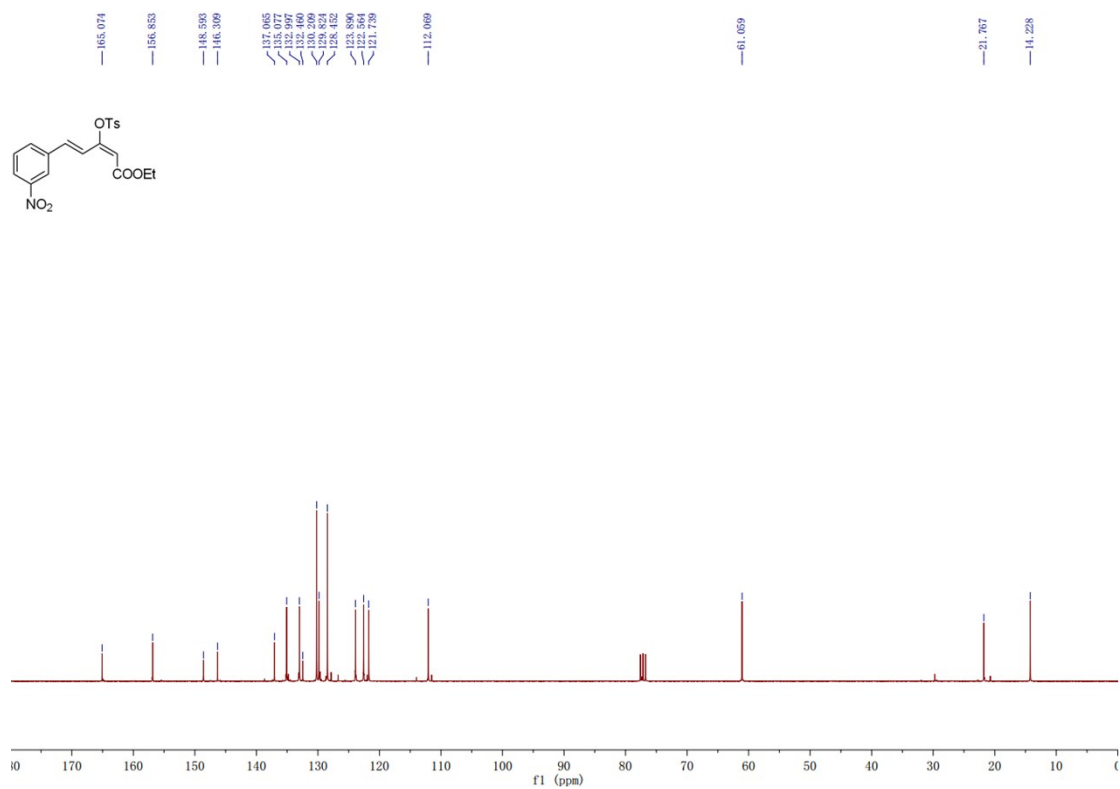
### <sup>13</sup>C NMR spectrum of compound 3h



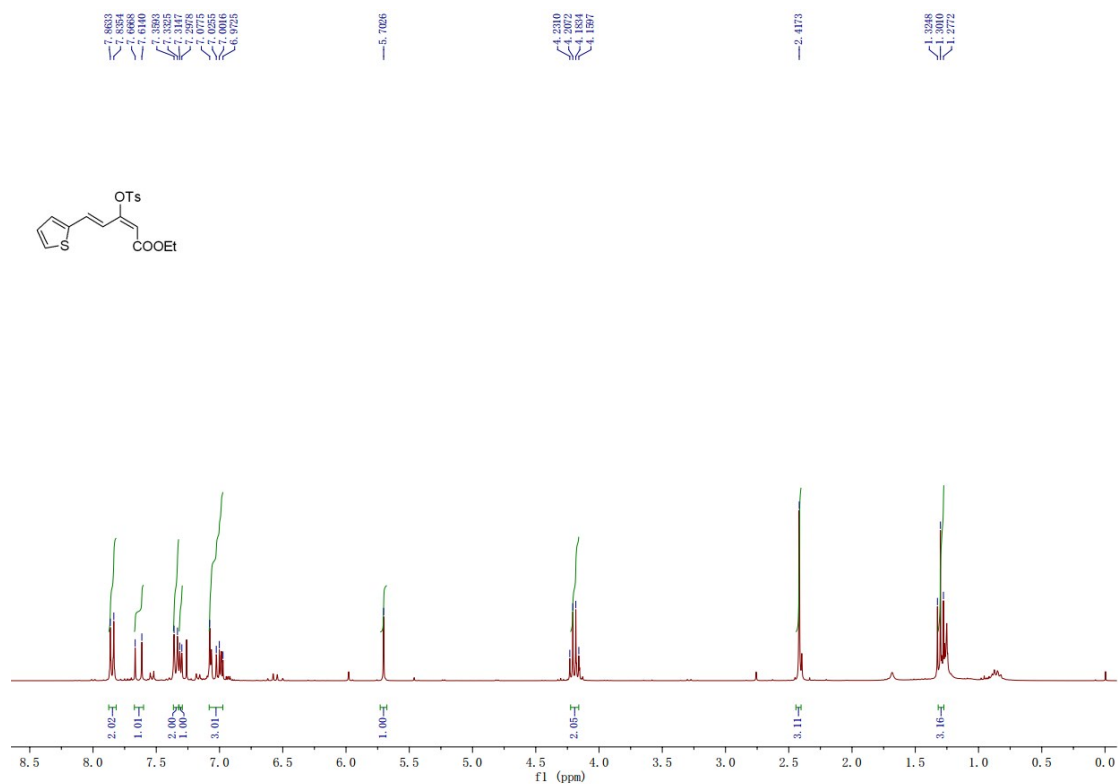
### <sup>1</sup>H NMR spectrum of compound 3i



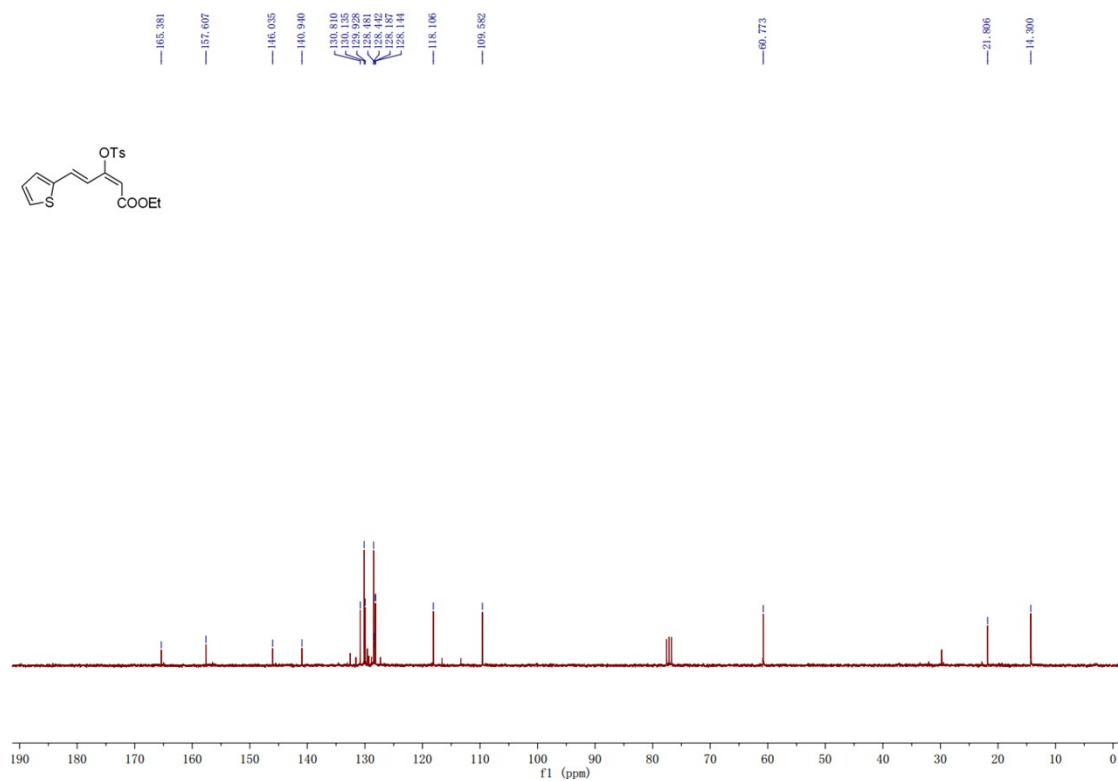
### <sup>13</sup>C NMR spectrum of compound 3i



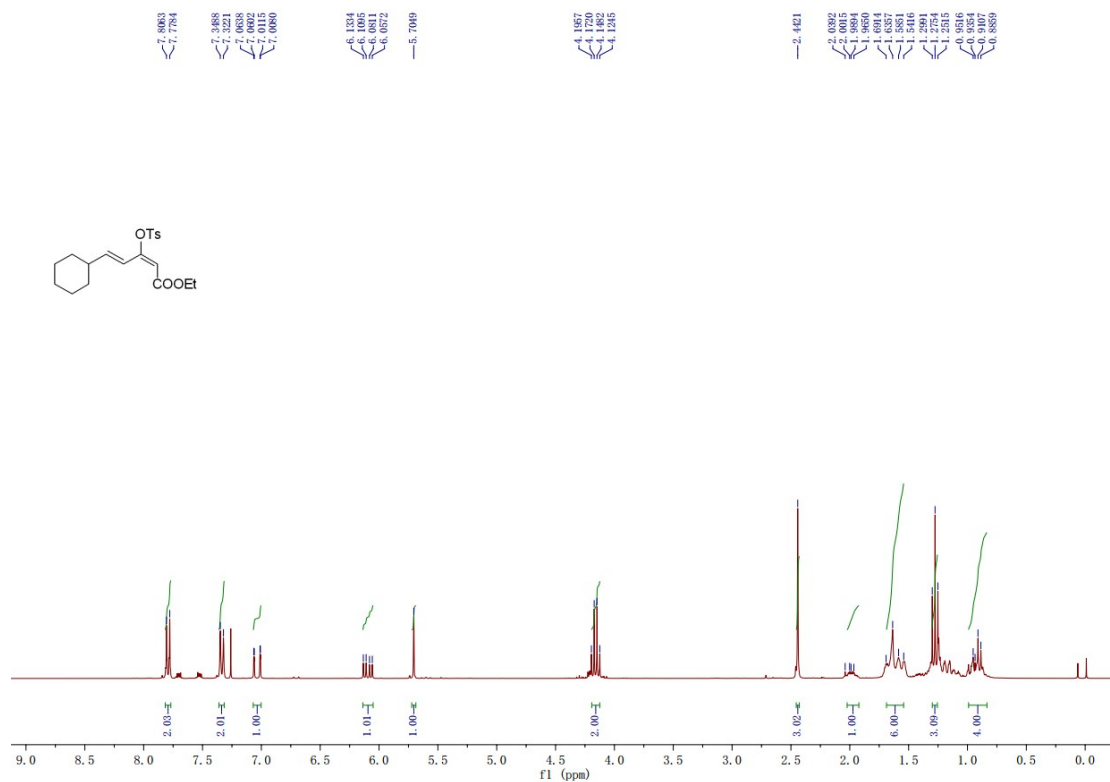
### <sup>1</sup>H NMR spectrum of compound 3j



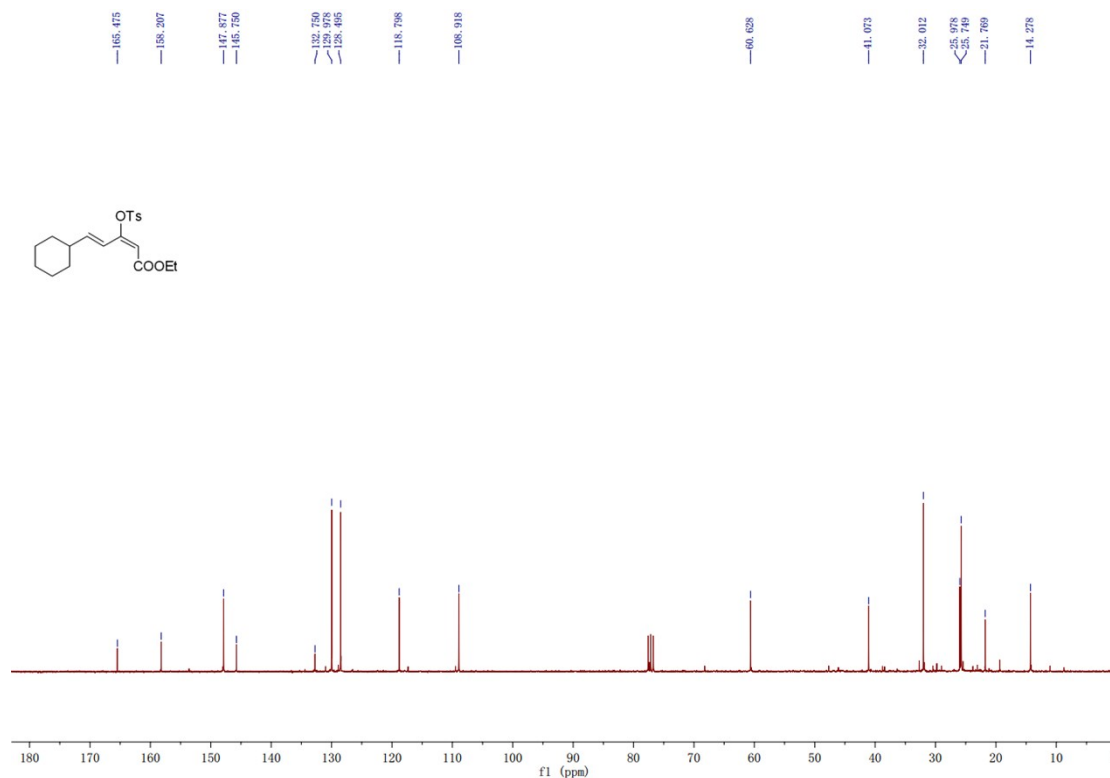
### <sup>13</sup>C NMR spectrum of compound 3j



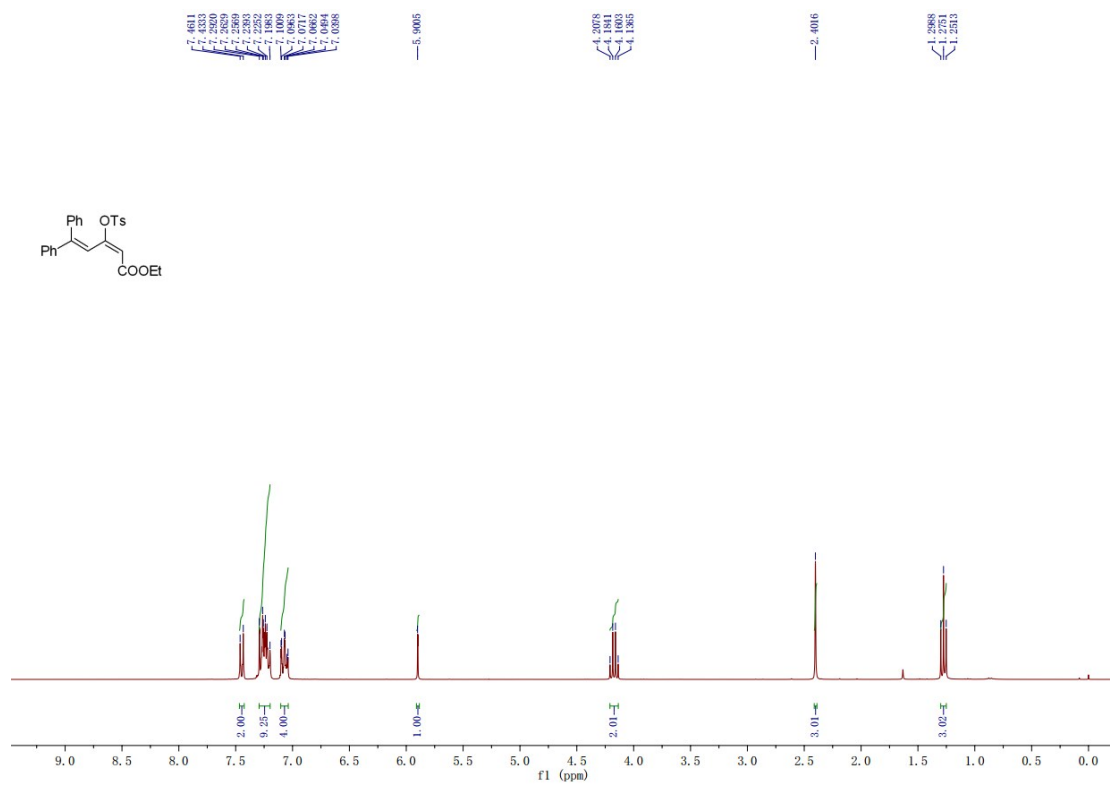
### <sup>1</sup>H NMR spectrum of compound 3k



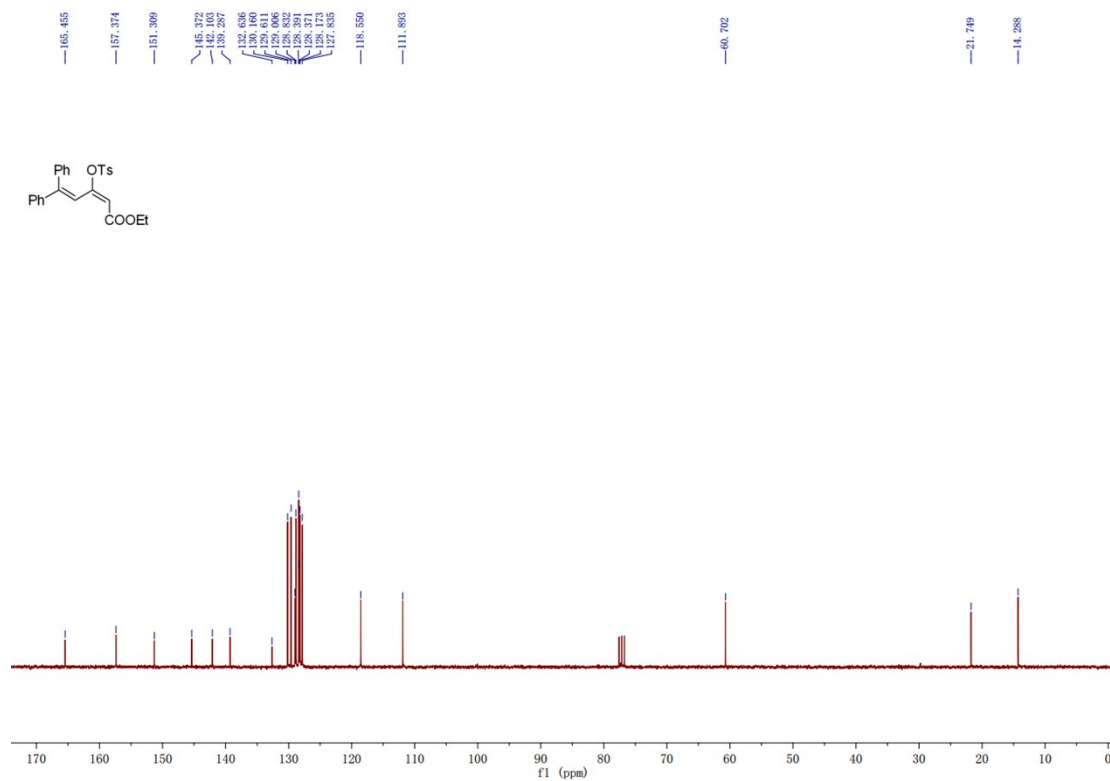
### <sup>13</sup>C NMR spectrum of compound 3k



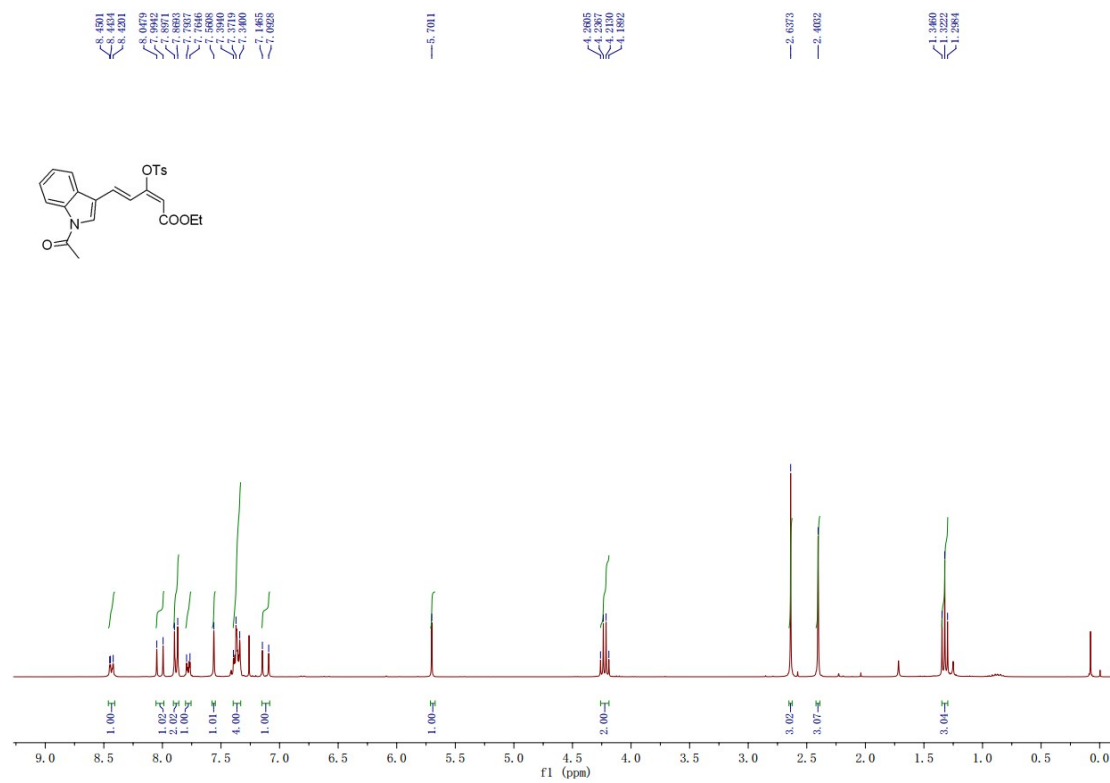
### <sup>1</sup>H NMR spectrum of compound 31



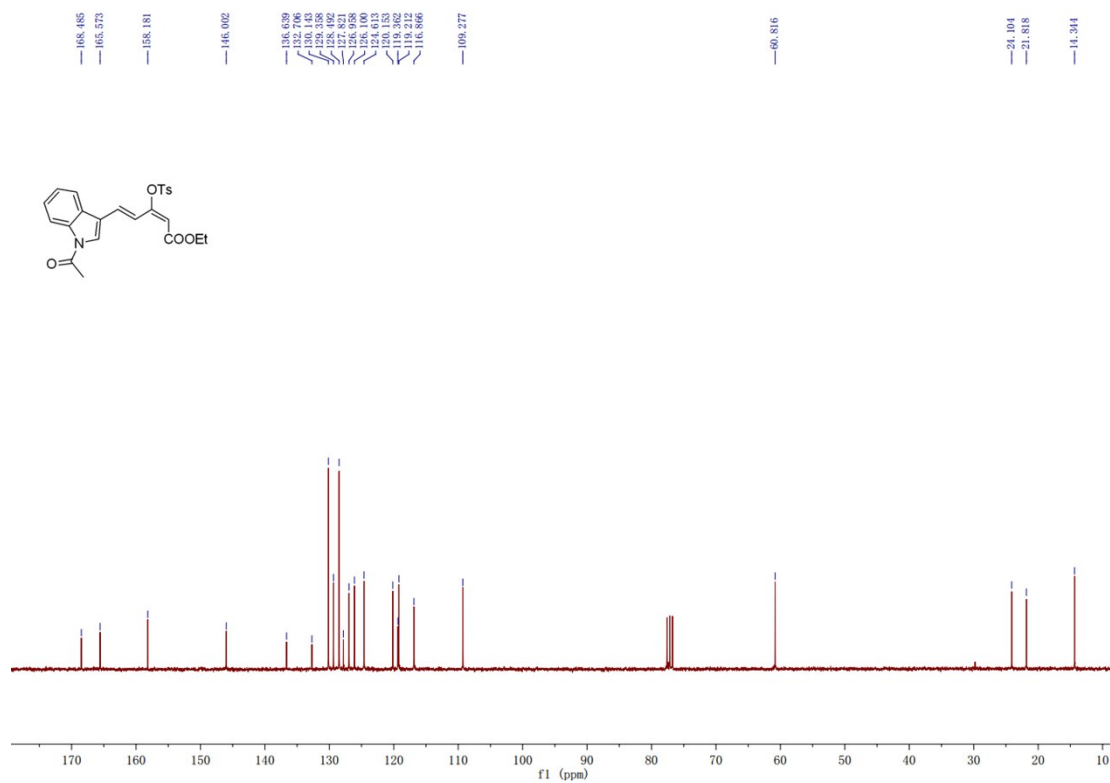
### <sup>13</sup>C NMR spectrum of compound 31



### <sup>1</sup>H NMR spectrum of compound 3m

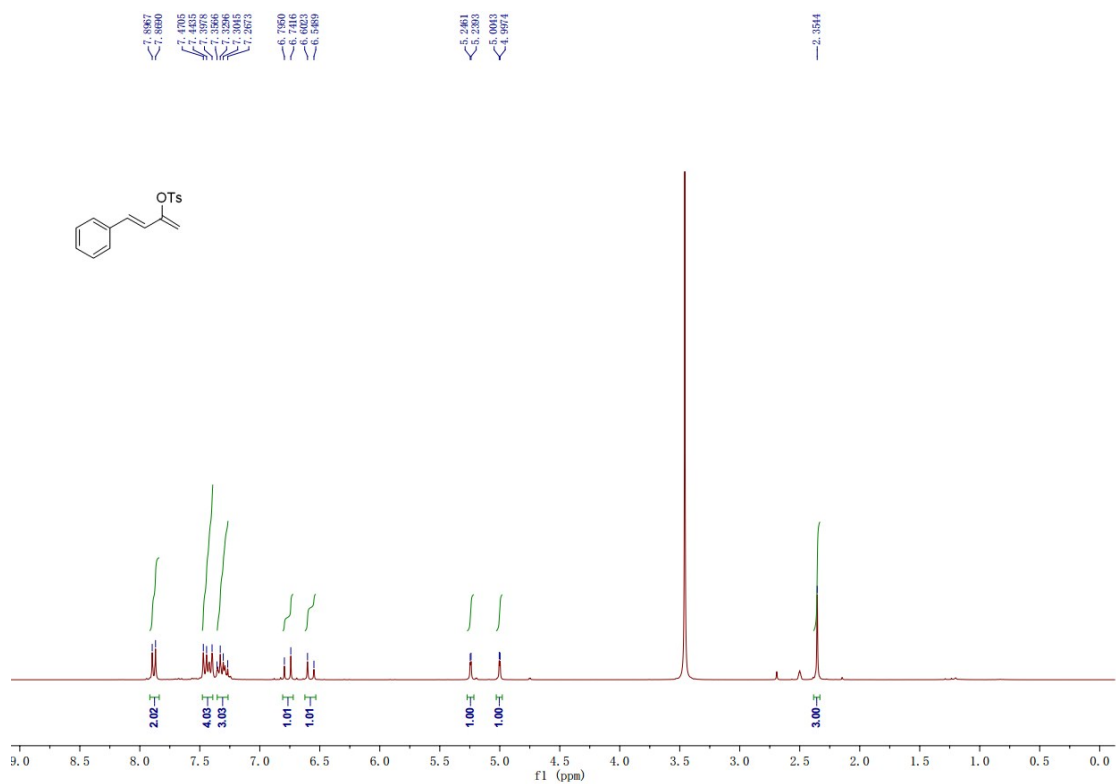


### <sup>13</sup>C NMR spectrum of compound 3m

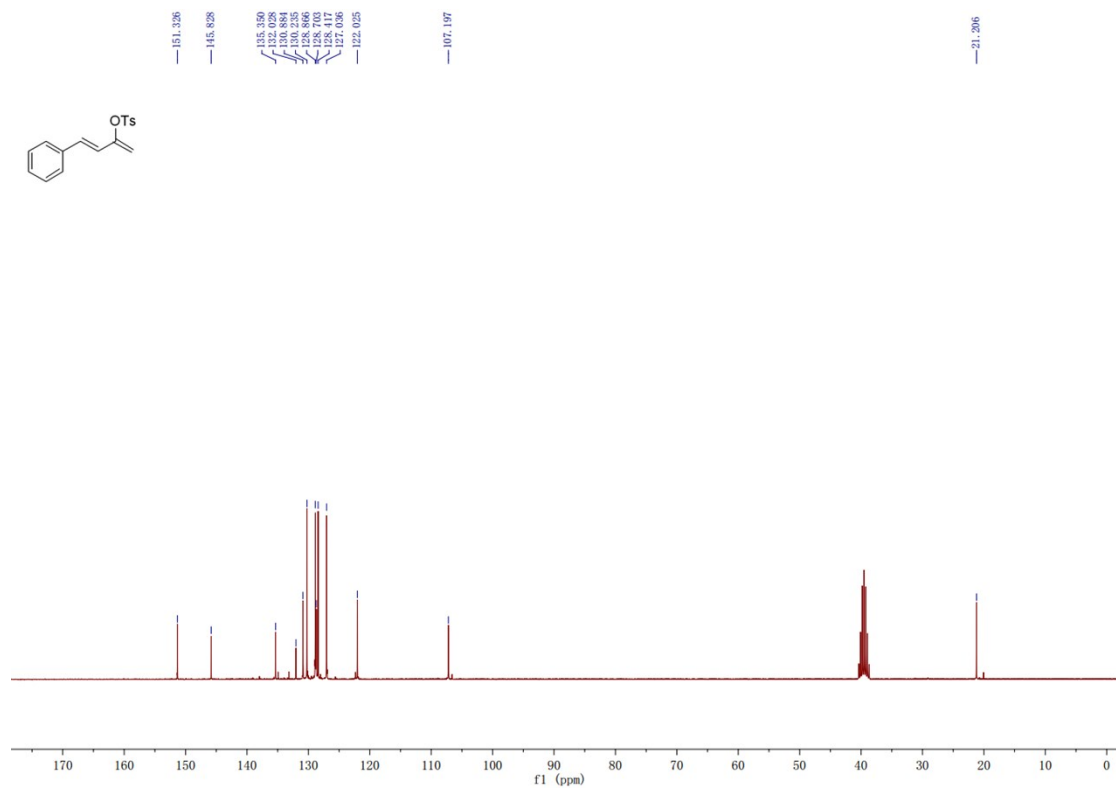




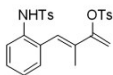
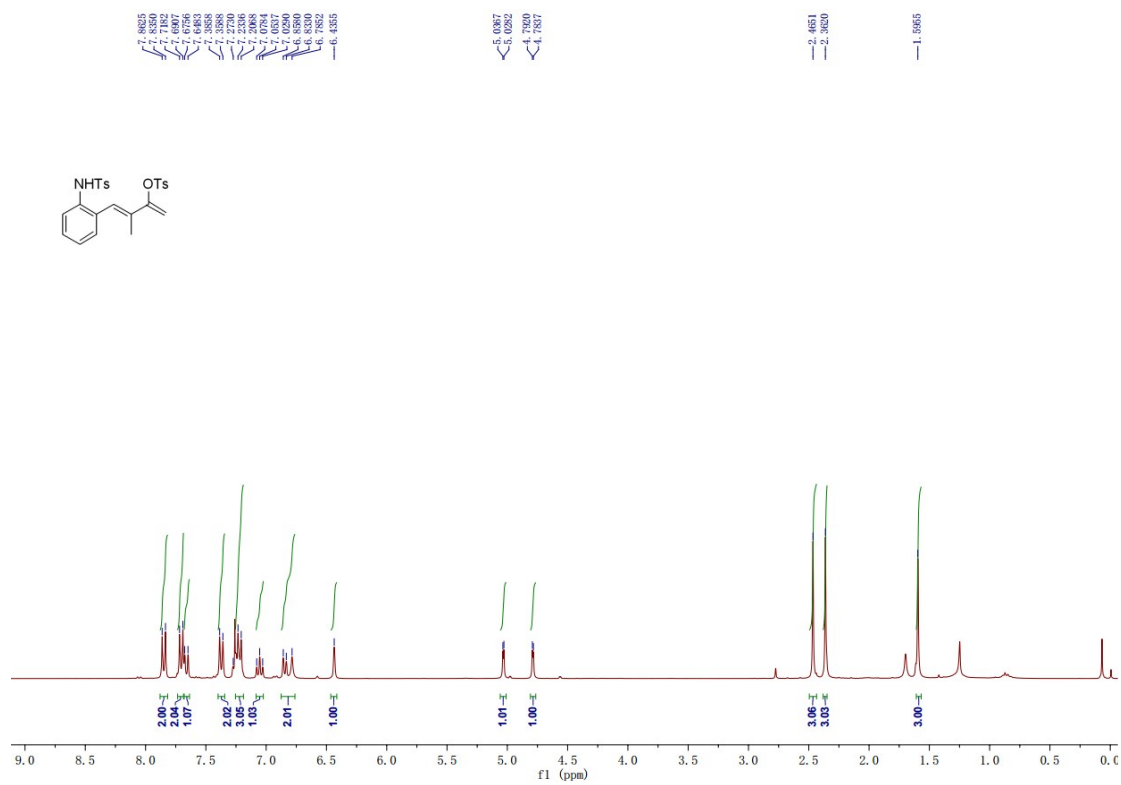
### <sup>1</sup>H NMR spectrum of compound 3n



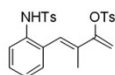
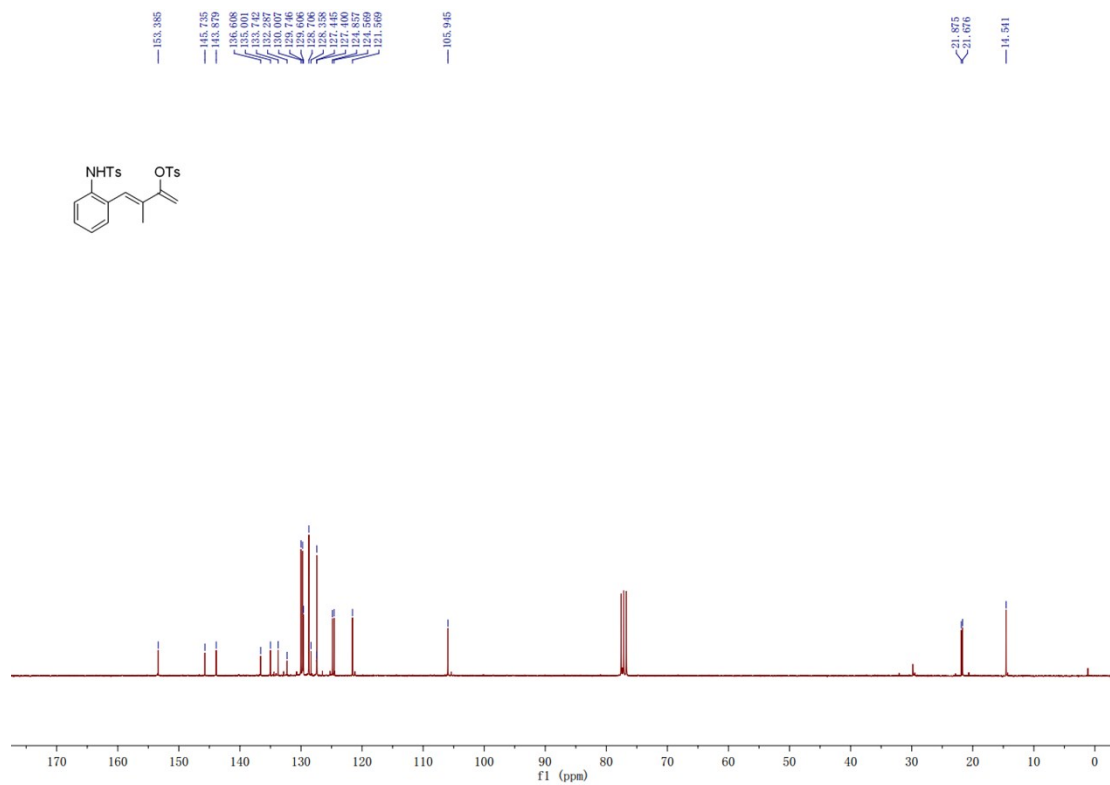
### <sup>13</sup>C NMR spectrum of compound 3n



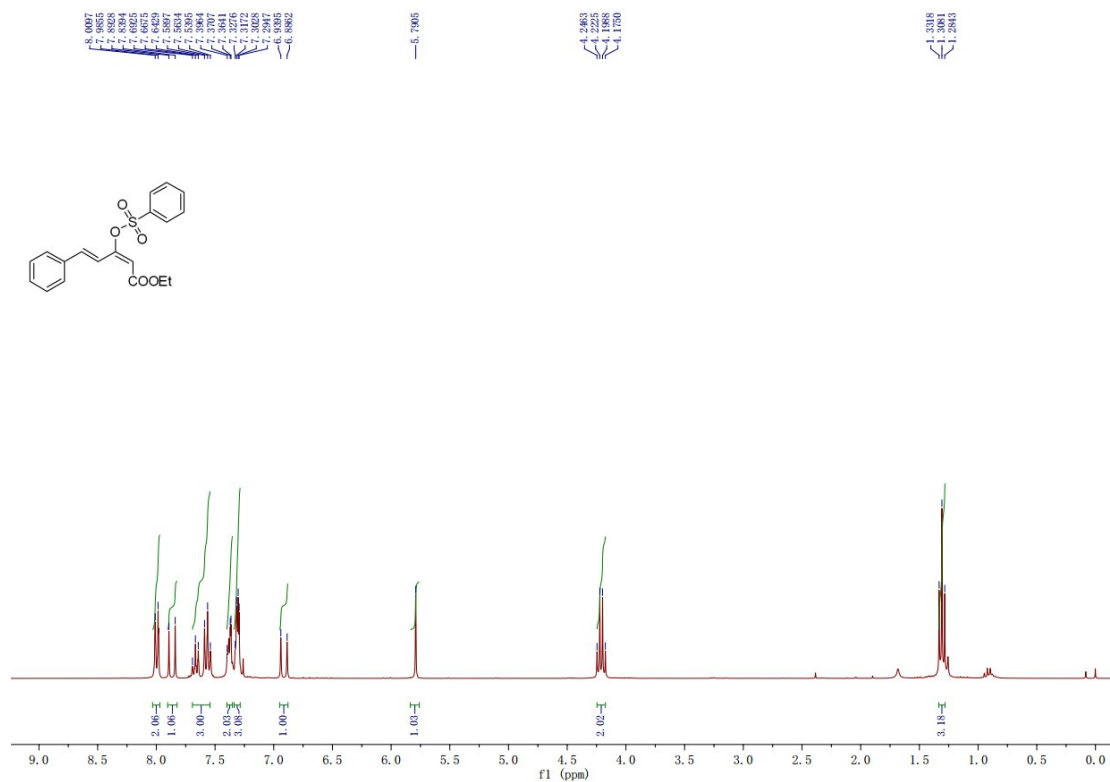
### <sup>1</sup>H NMR spectrum of compound 3o



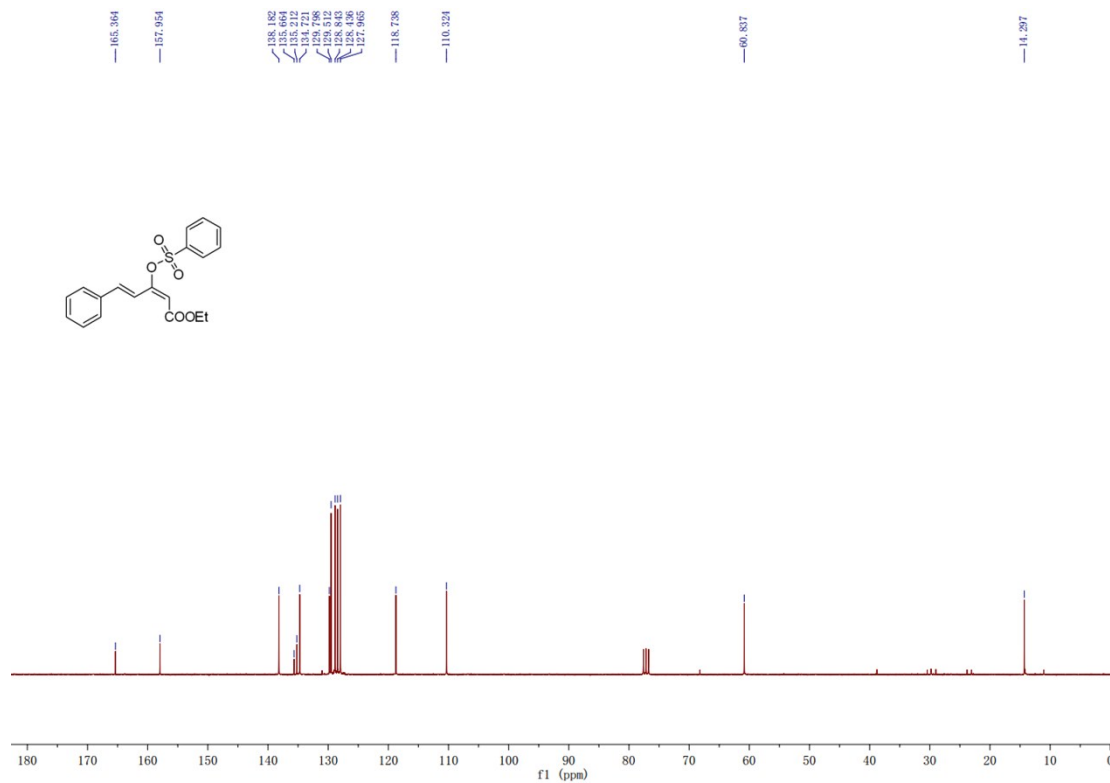
### <sup>13</sup>C NMR spectrum of compound 3o



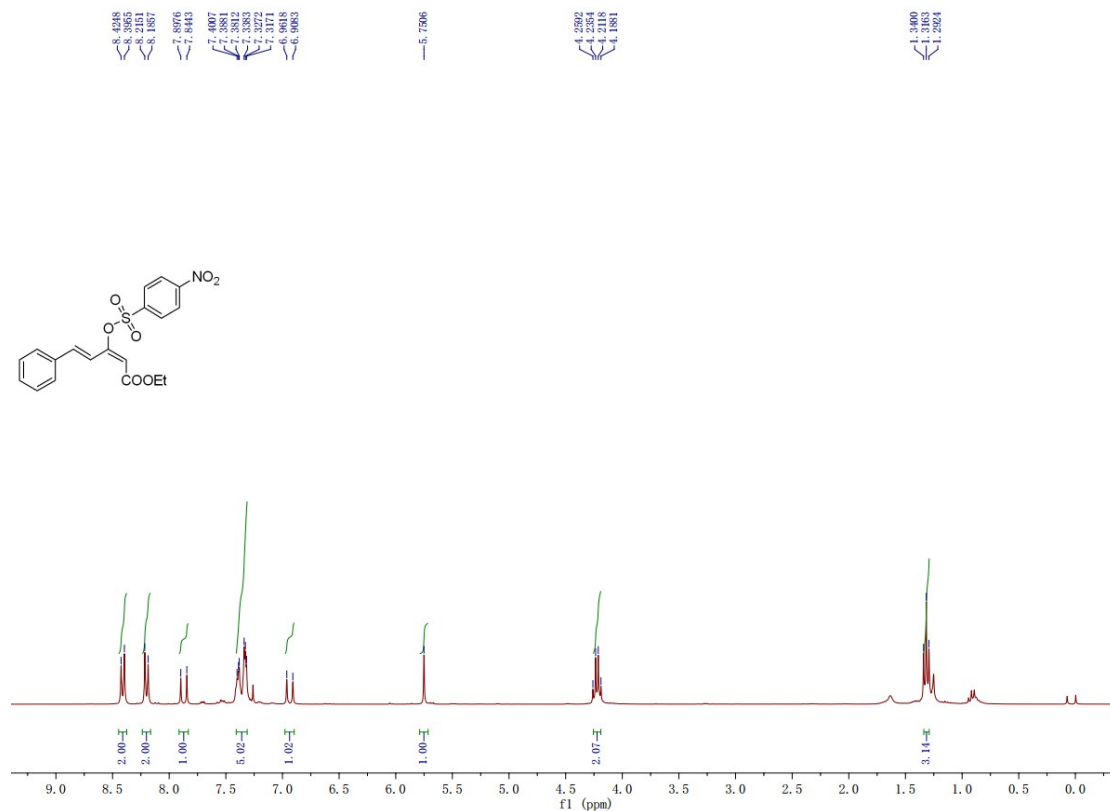
### <sup>1</sup>H NMR spectrum of compound 3p



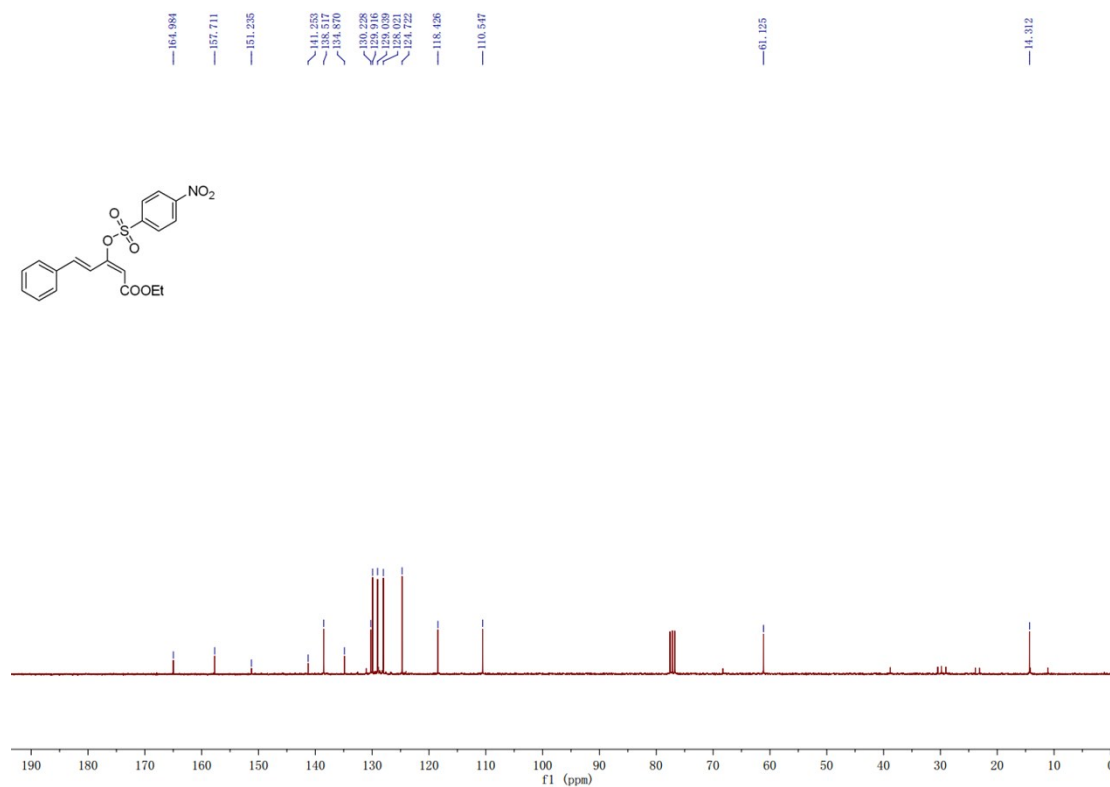
### <sup>13</sup>C NMR spectrum of compound 3p



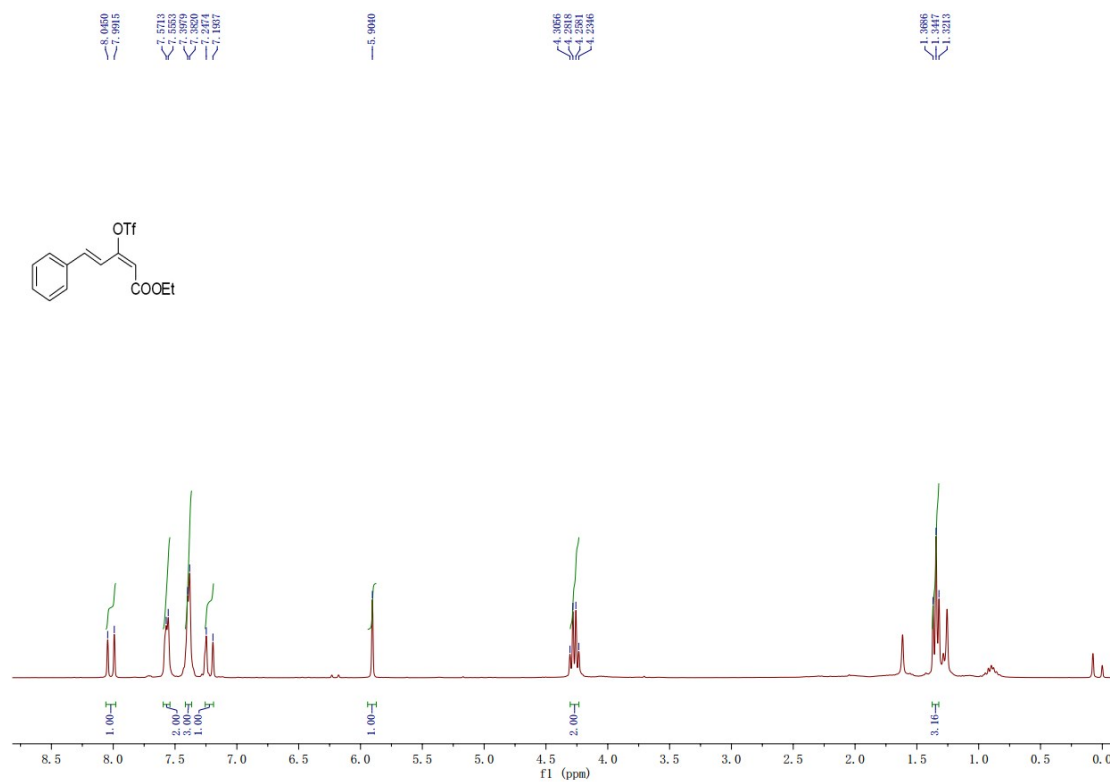
### <sup>1</sup>H NMR spectrum of compound 3q



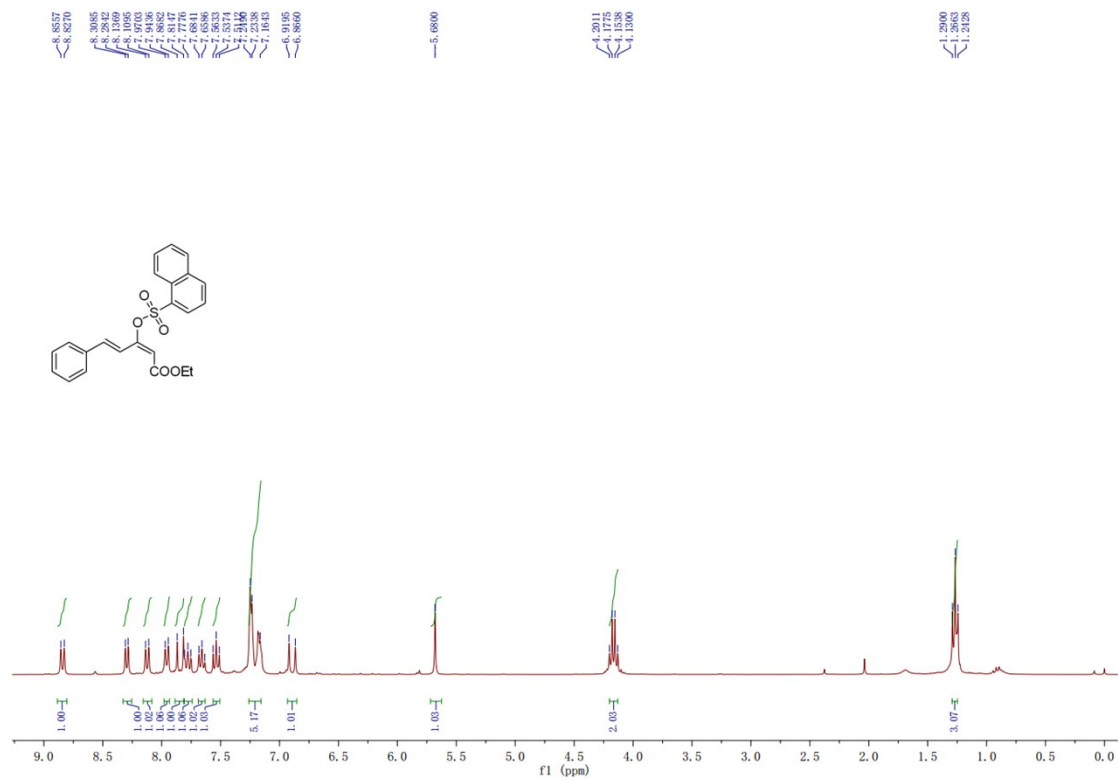
### <sup>13</sup>C NMR spectrum of compound 3q



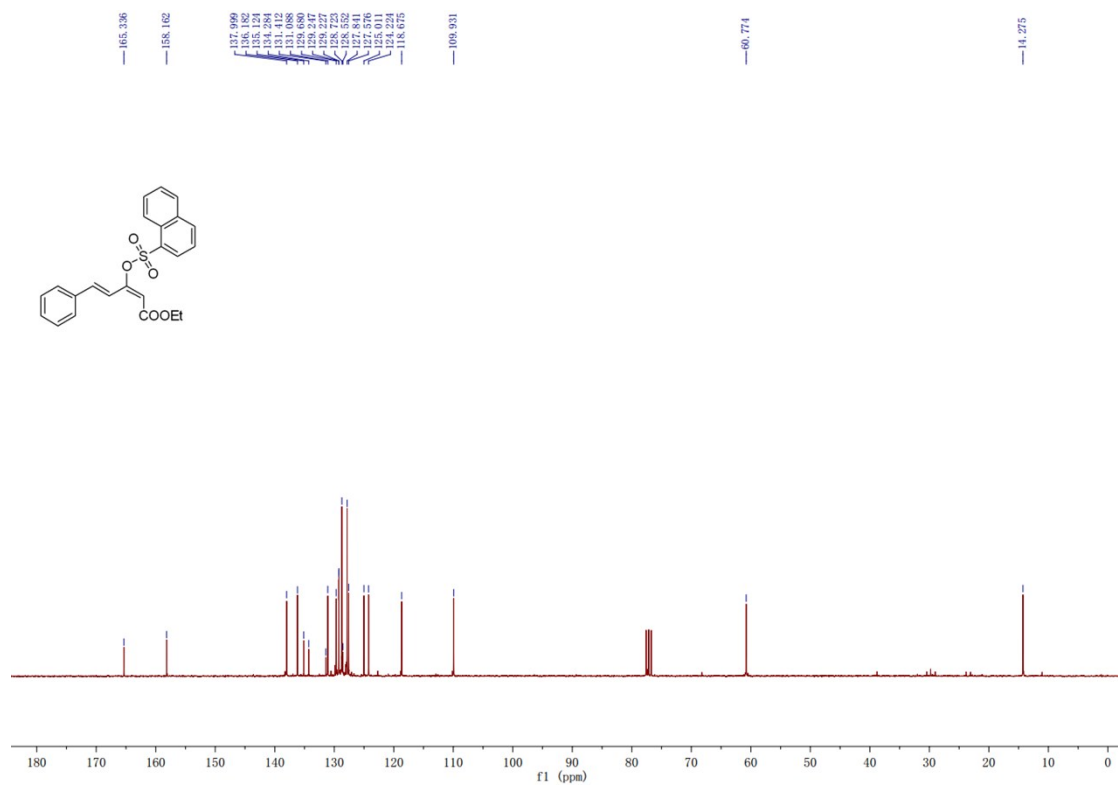
# <sup>1</sup>H NMR spectrum of compound 3r



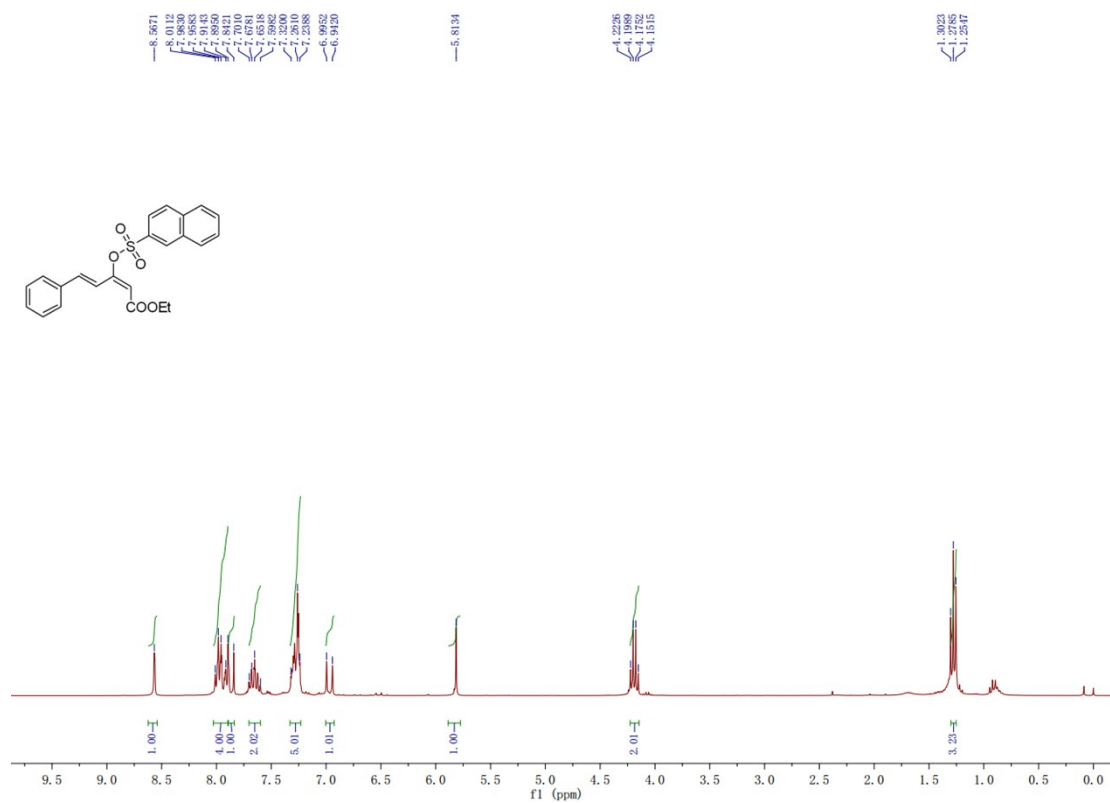
### <sup>1</sup>H NMR spectrum of compound 3s



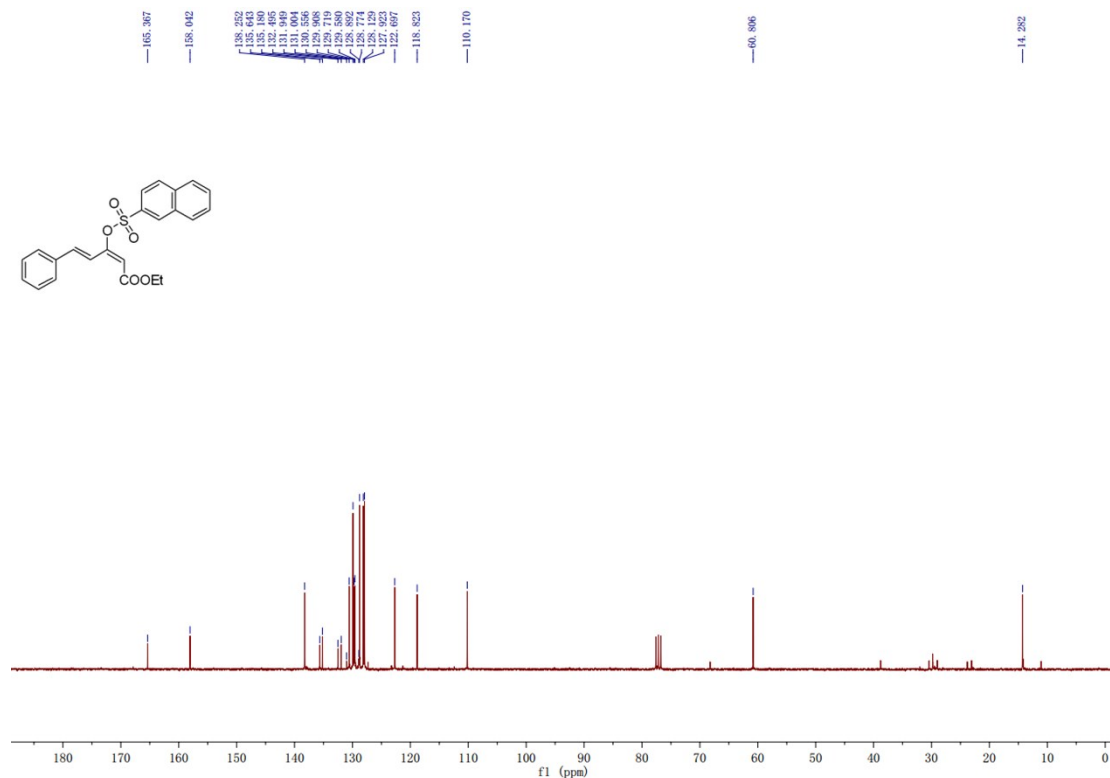
### <sup>13</sup>C NMR spectrum of compound 3s



### <sup>1</sup>H NMR spectrum of compound 3t

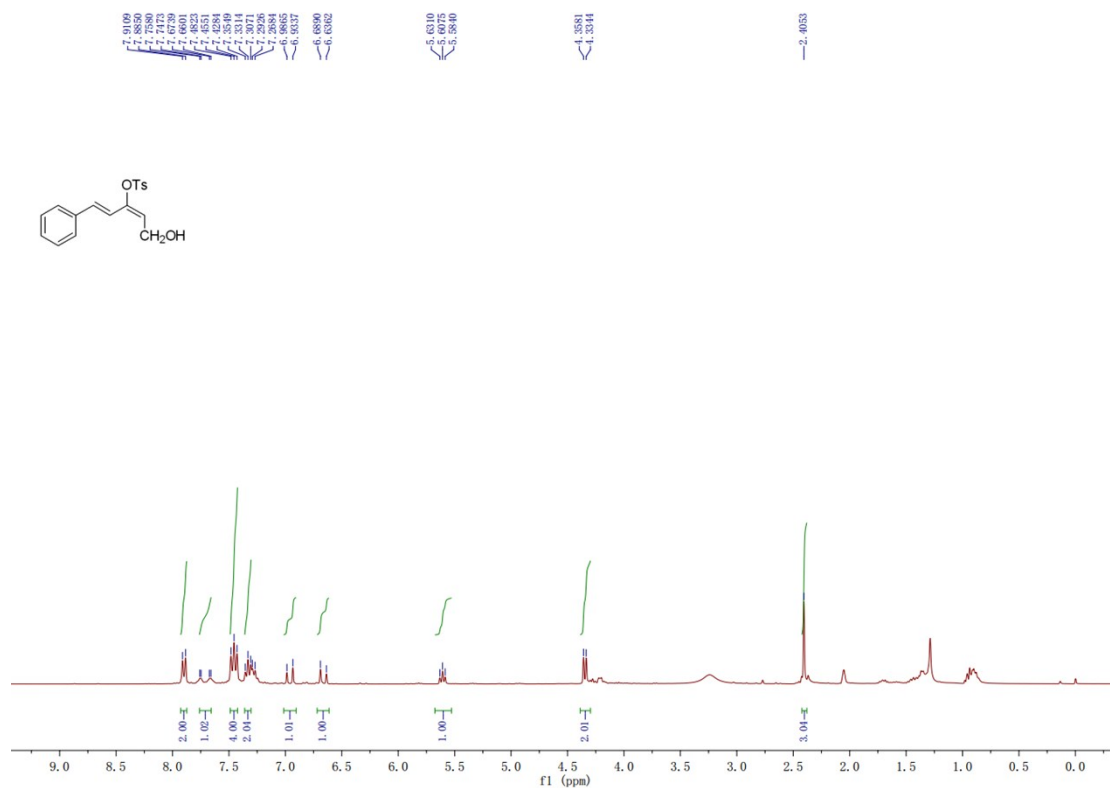


### <sup>13</sup>C NMR spectrum of compound 3t

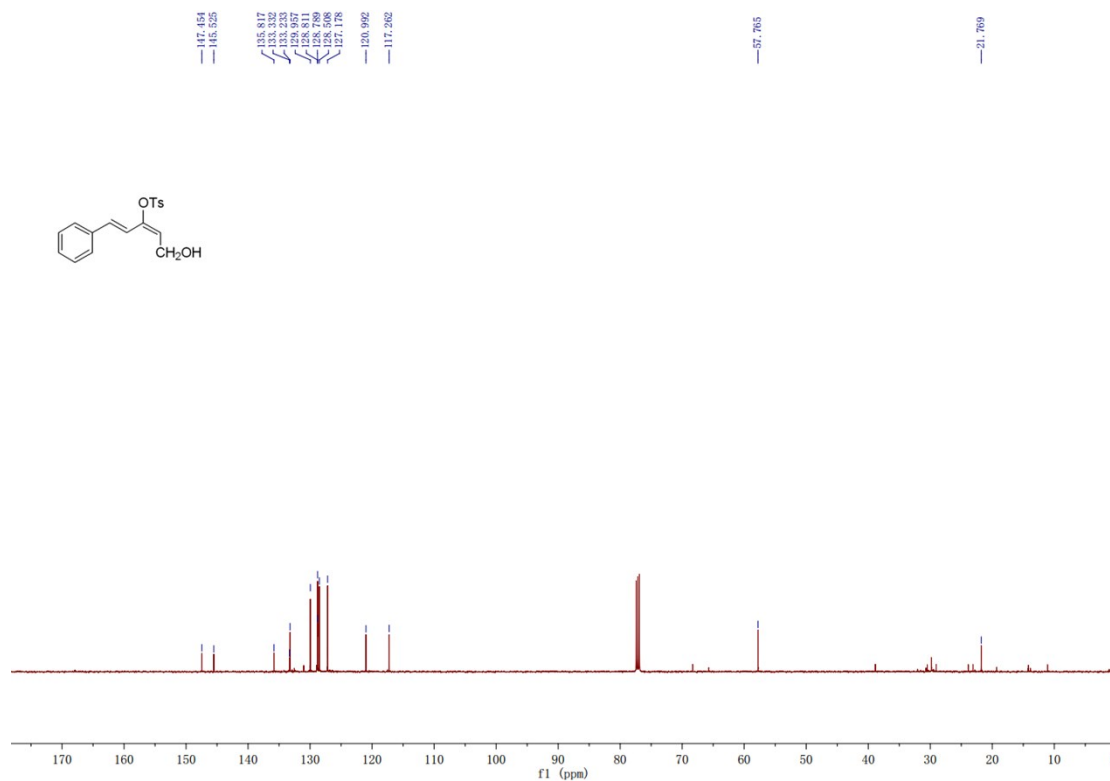


# <sup>1</sup>H, <sup>13</sup>C NMR and NOESY Spectra of 4-8

## <sup>1</sup>H NMR spectrum of compound 4

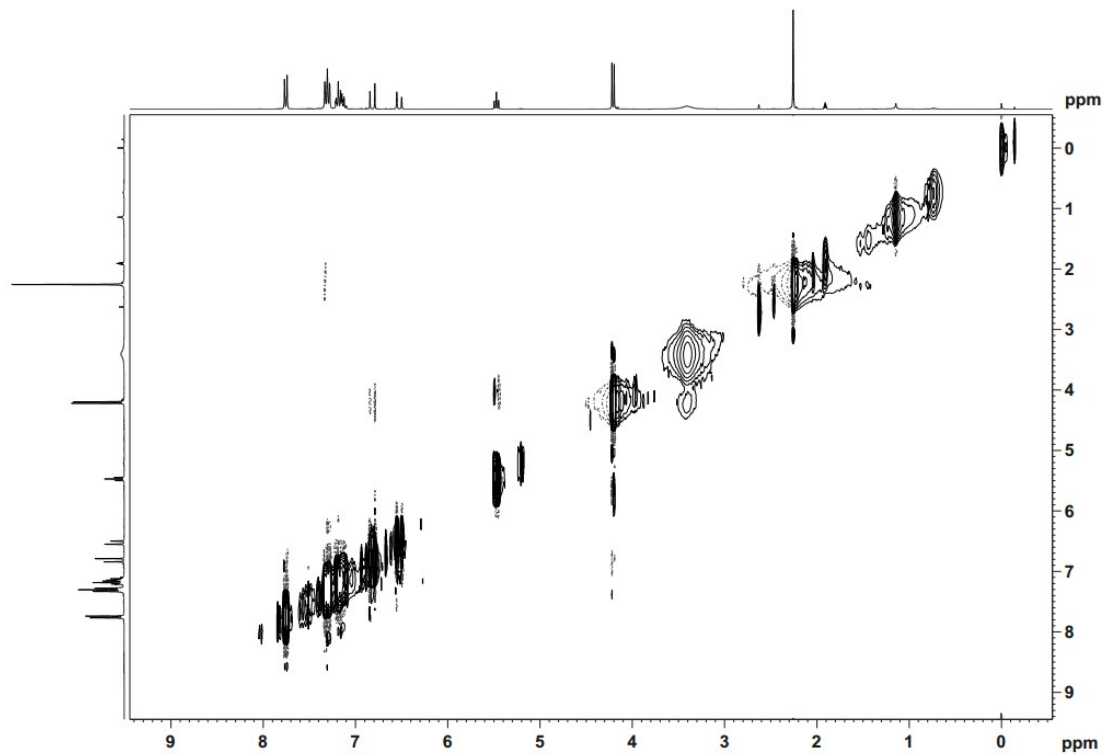
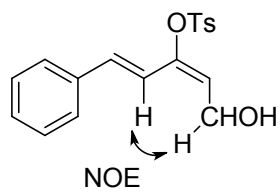


## <sup>13</sup>C NMR spectrum of compound 4



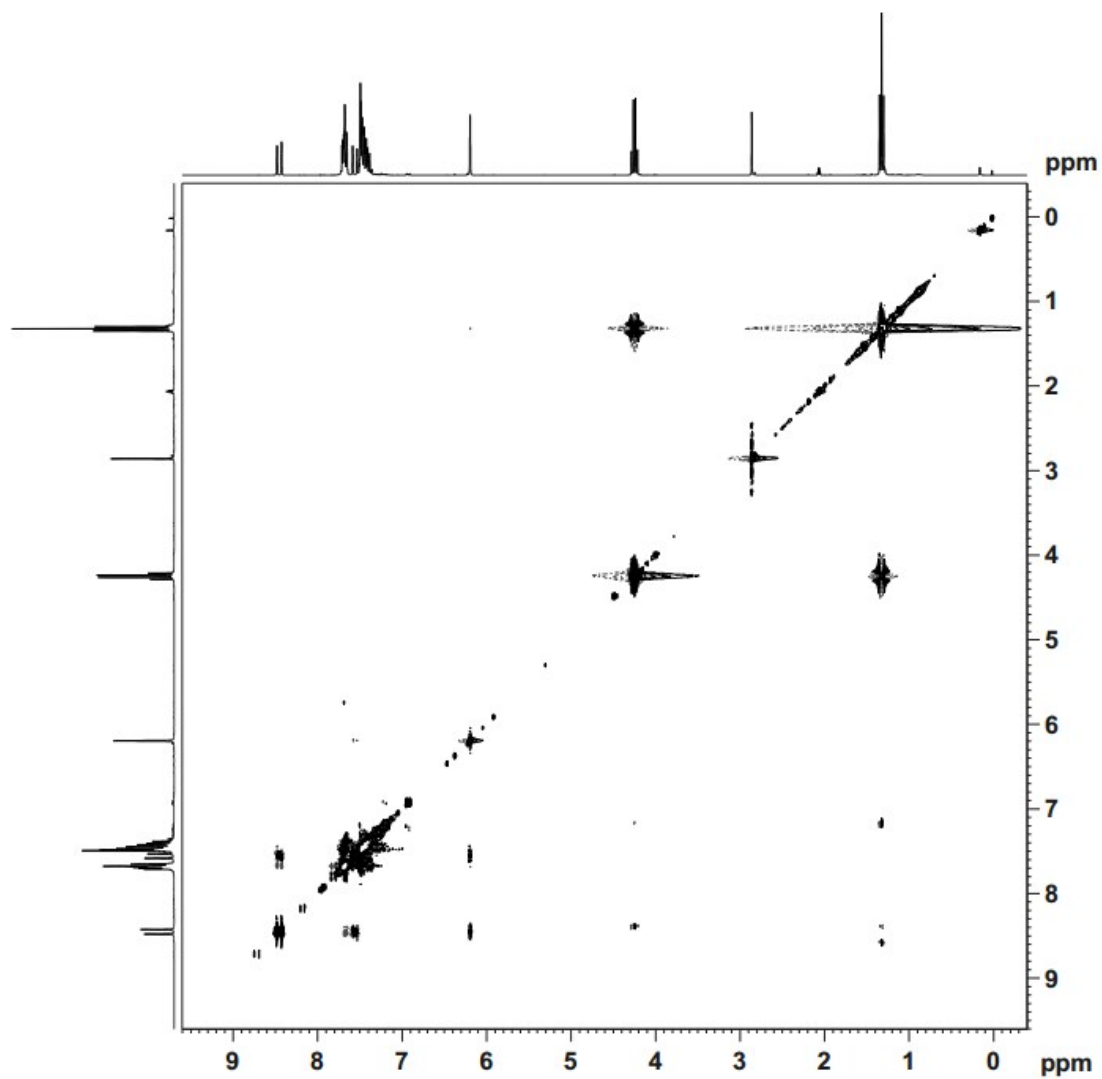
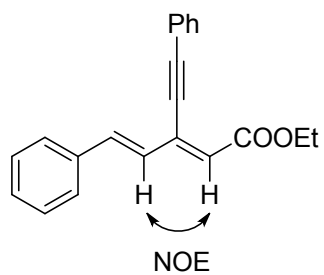


# NOESY NMR spectrum of compound 4

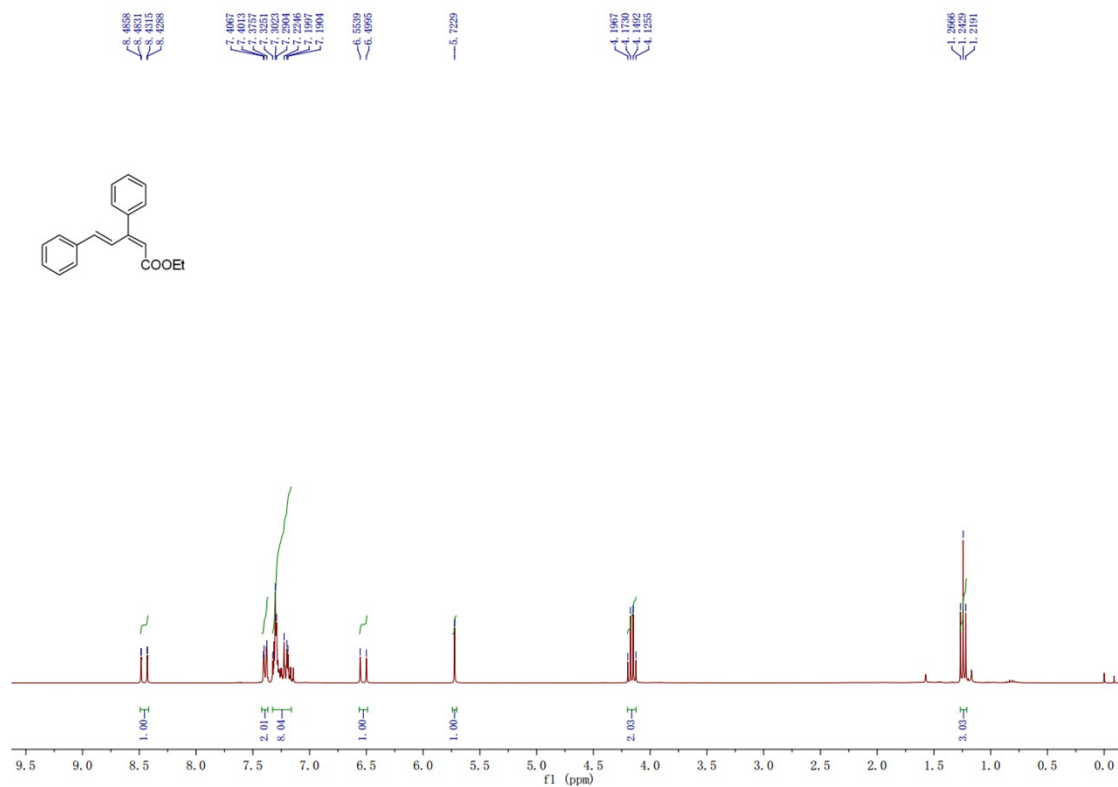




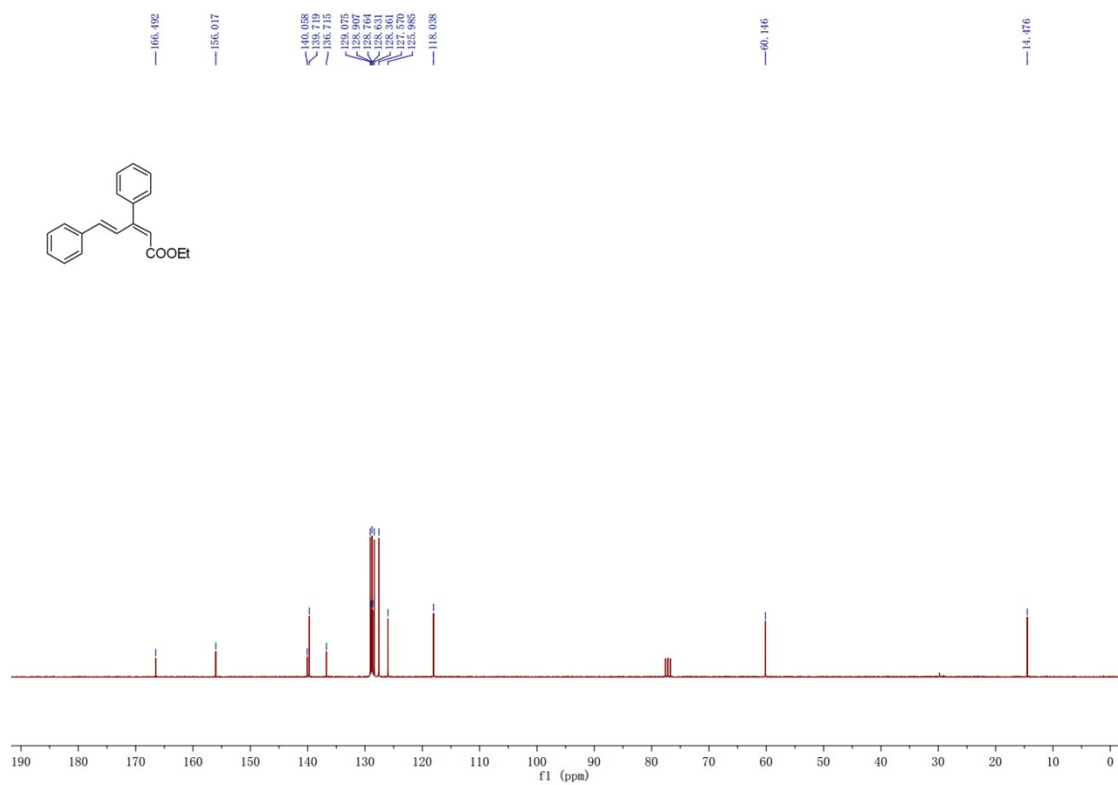
# NOESY NMR spectrum of compound 5



### <sup>1</sup>H NMR spectrum of compound 6

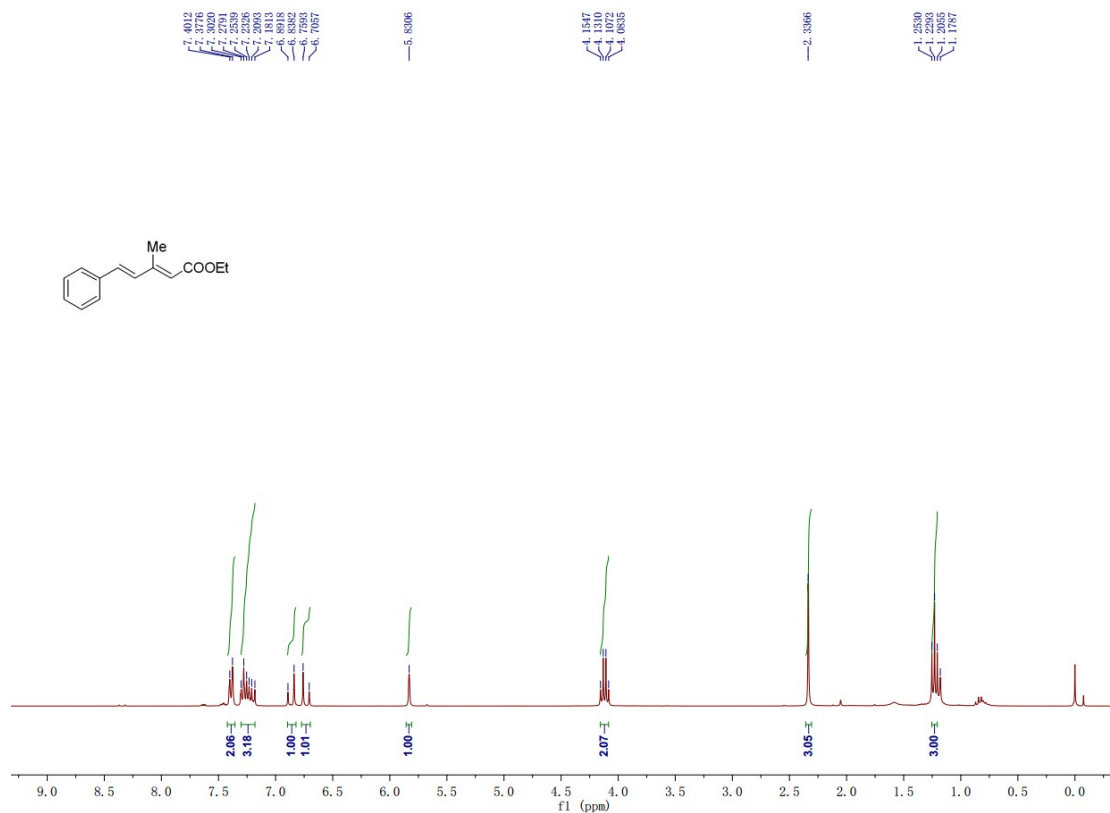


### <sup>13</sup>C NMR spectrum of compound 6

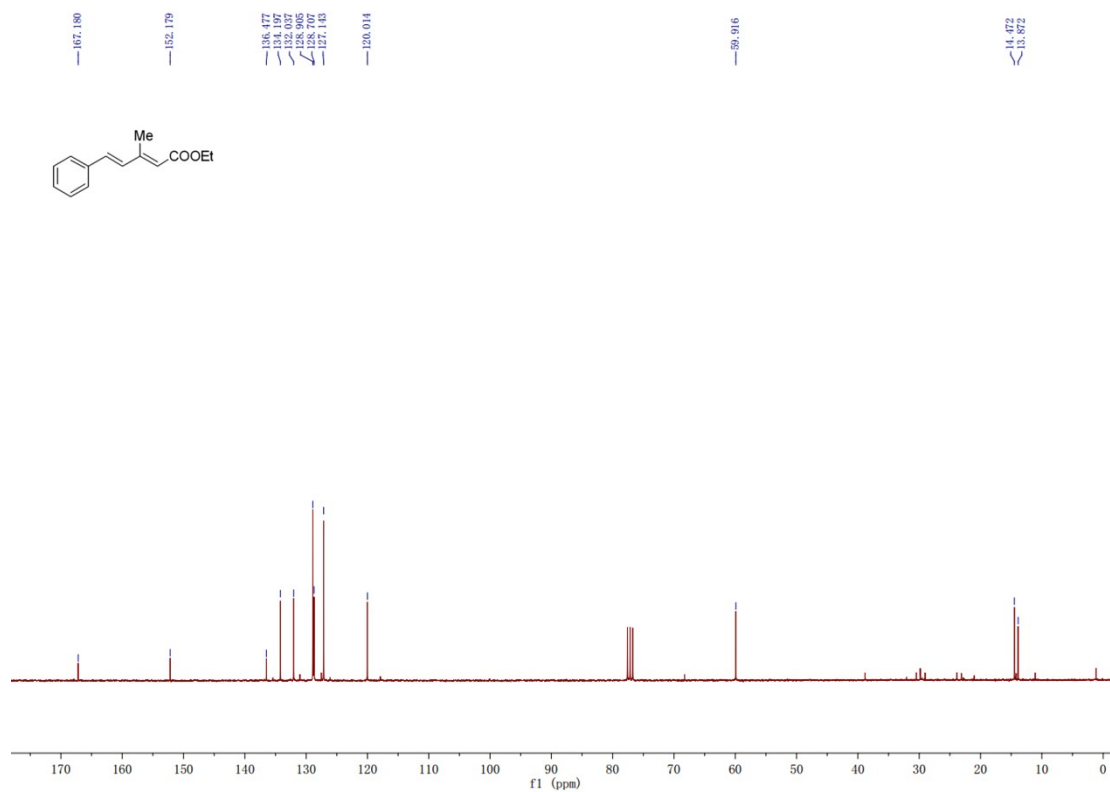




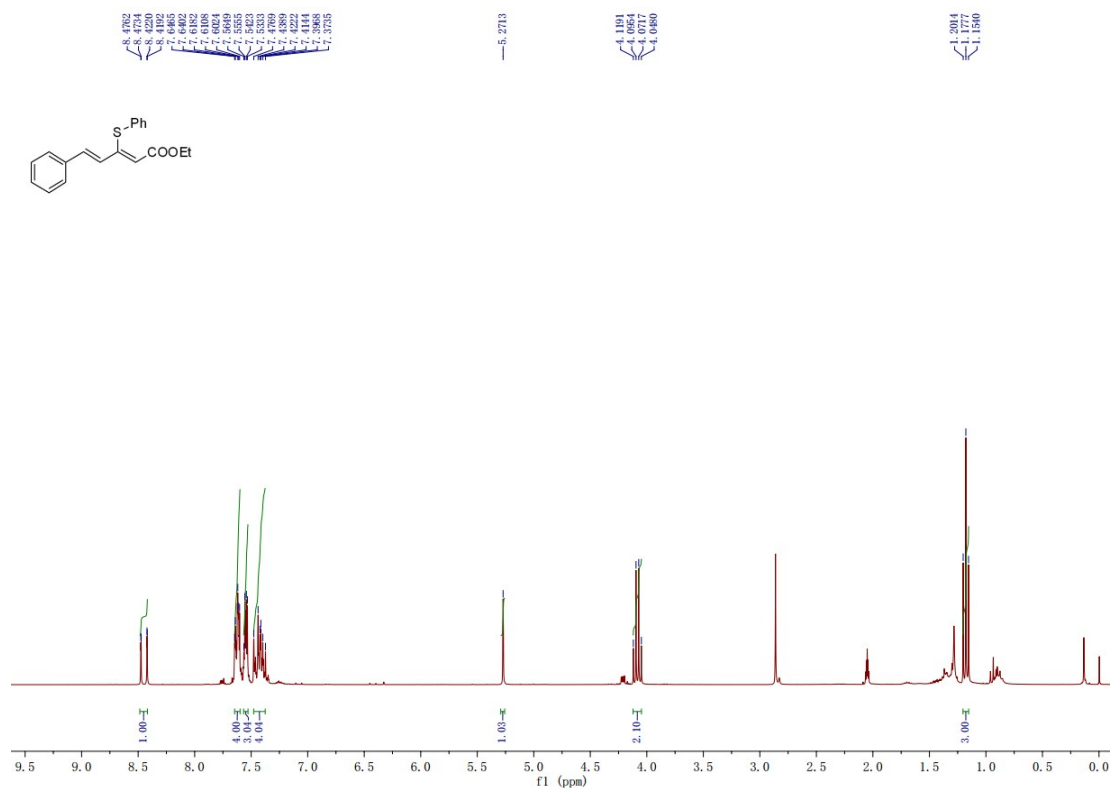
### <sup>1</sup>H NMR spectrum of compound (2*E*, 4*E*)-7



### <sup>13</sup>C NMR spectrum of compound (2*E*, 4*E*)-7



# <sup>1</sup>H NMR spectrum of compound 8



# NOESY NMR spectrum of compound 8

