

## Supplementary Material

### Synthesis of sabina $\delta$ -lactones and sabina $\delta$ -lactams from (+)-sabinene

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Email: [czeslaw.wawrzenczyk@up.wroc.pl](mailto:czeslaw.wawrzenczyk@up.wroc.pl)

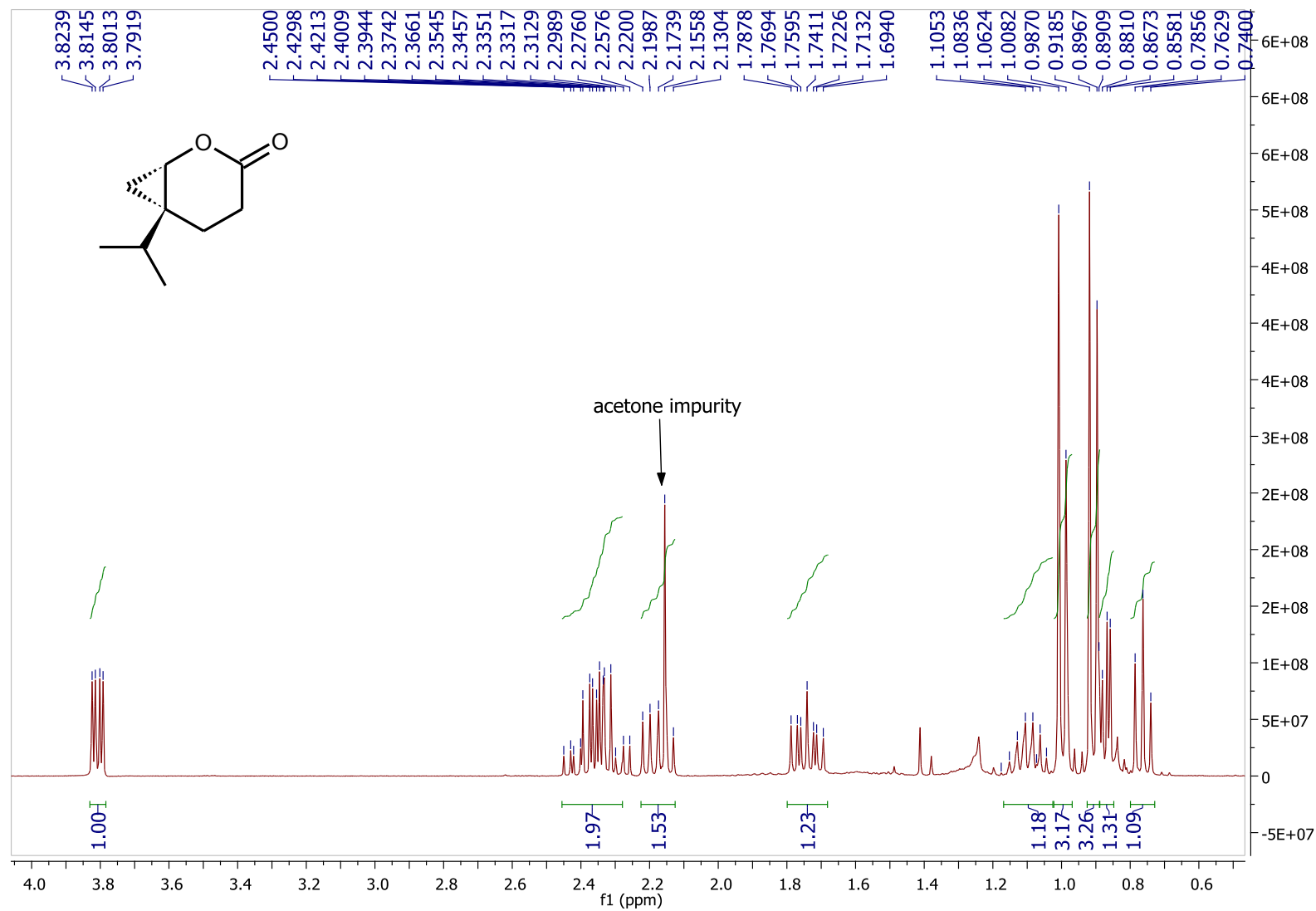
\* Corresponding author

#### Copies of NMR spectra of compounds 3, 4, 5a, 5b, 6a, 6b, 7 and 8

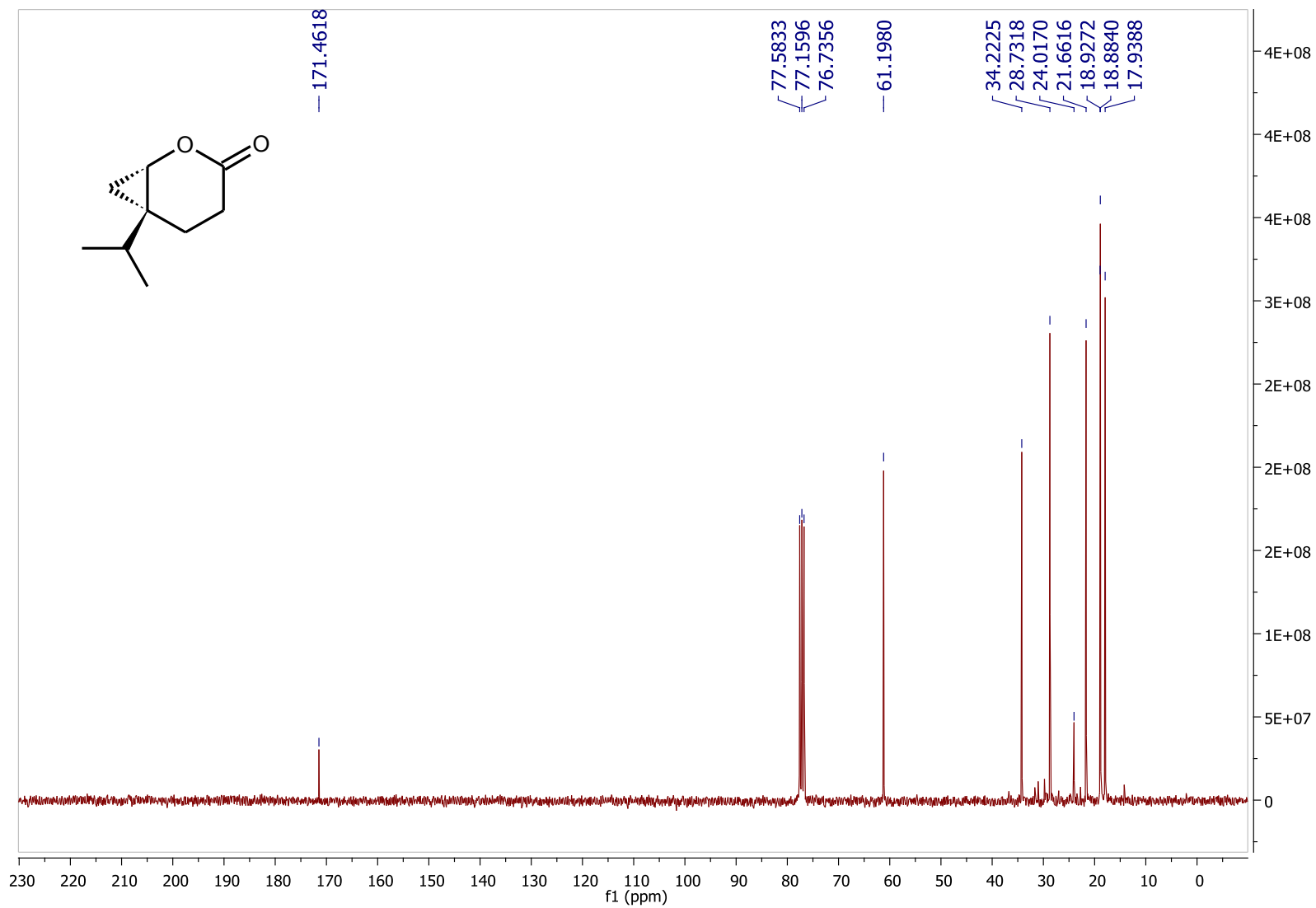
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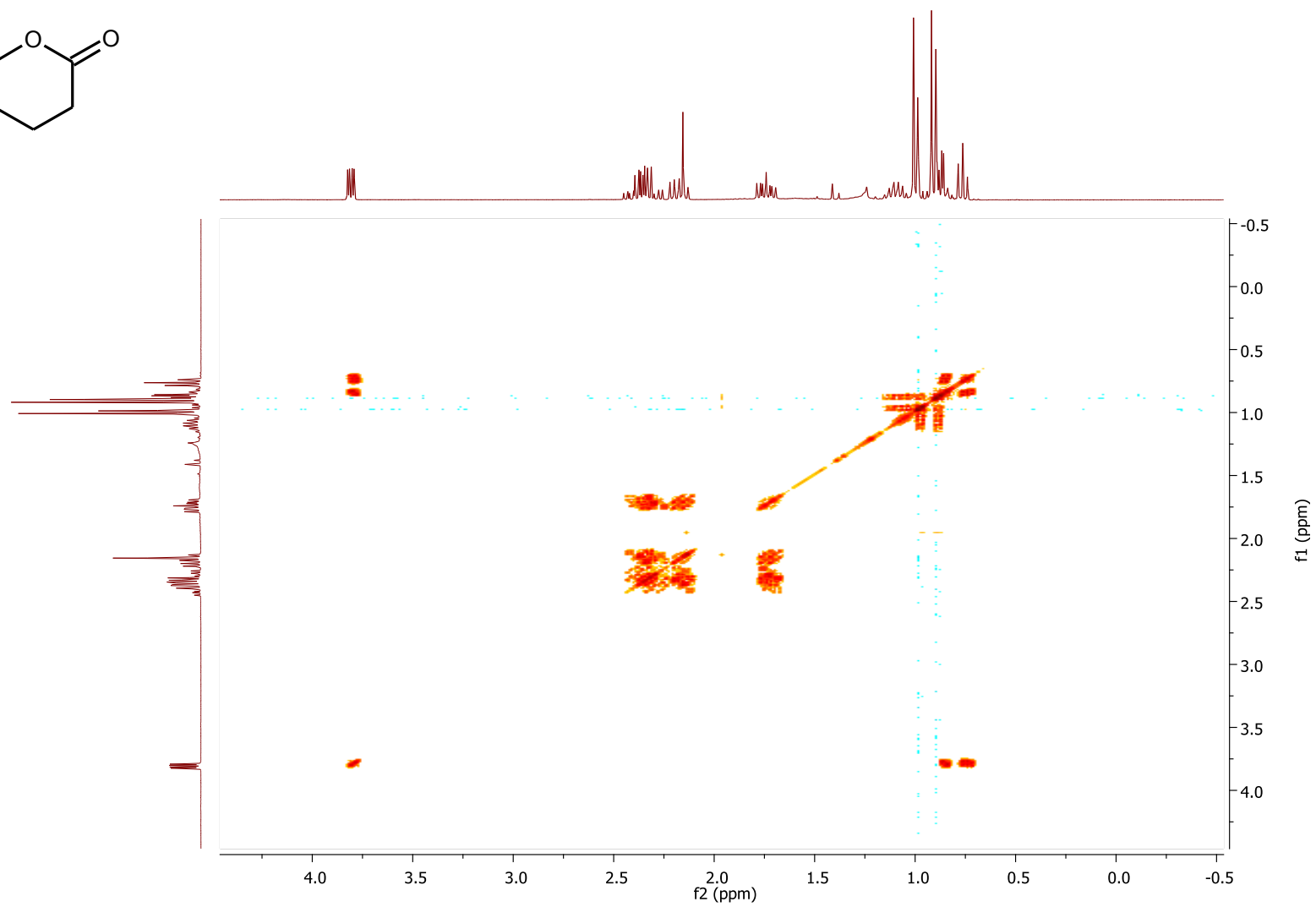
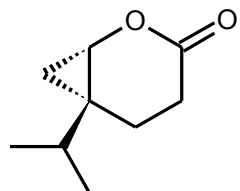
# <sup>1</sup>H NMR of compound 3



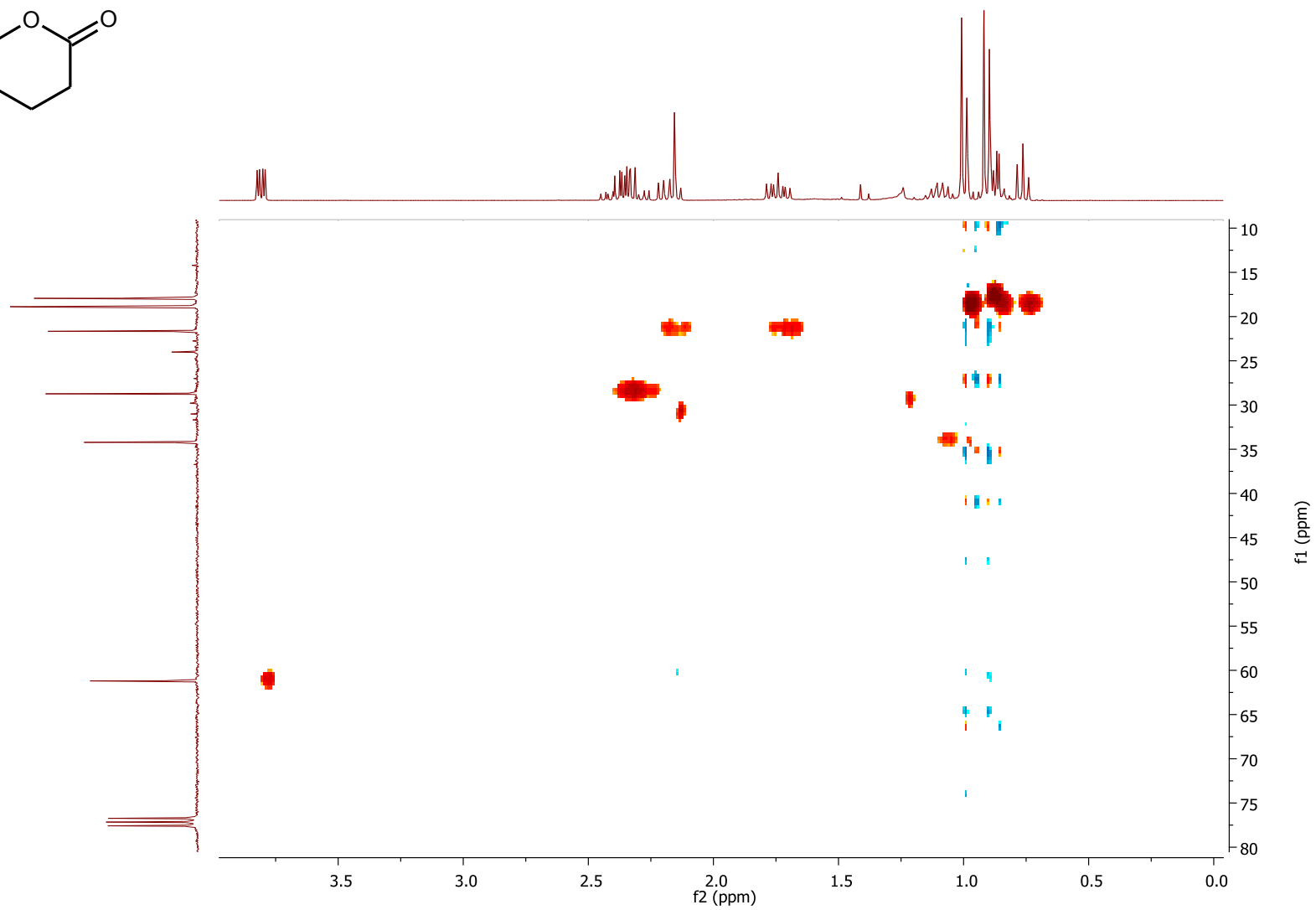
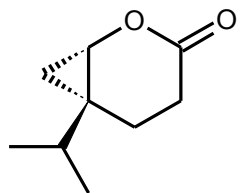
# <sup>13</sup>C NMR of compound 3



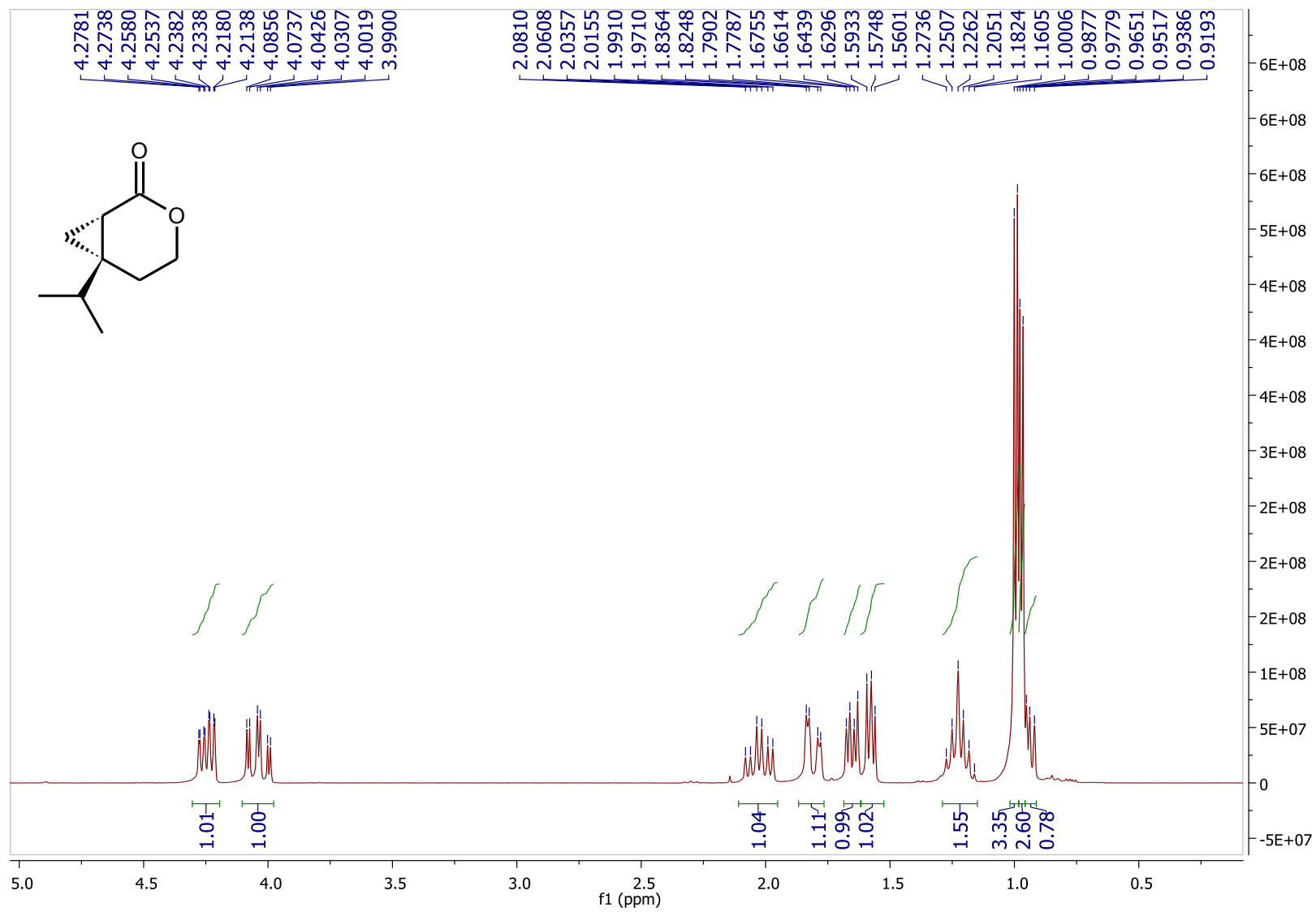
# $^1\text{H} - ^1\text{H}$ COSY NMR of compound 3



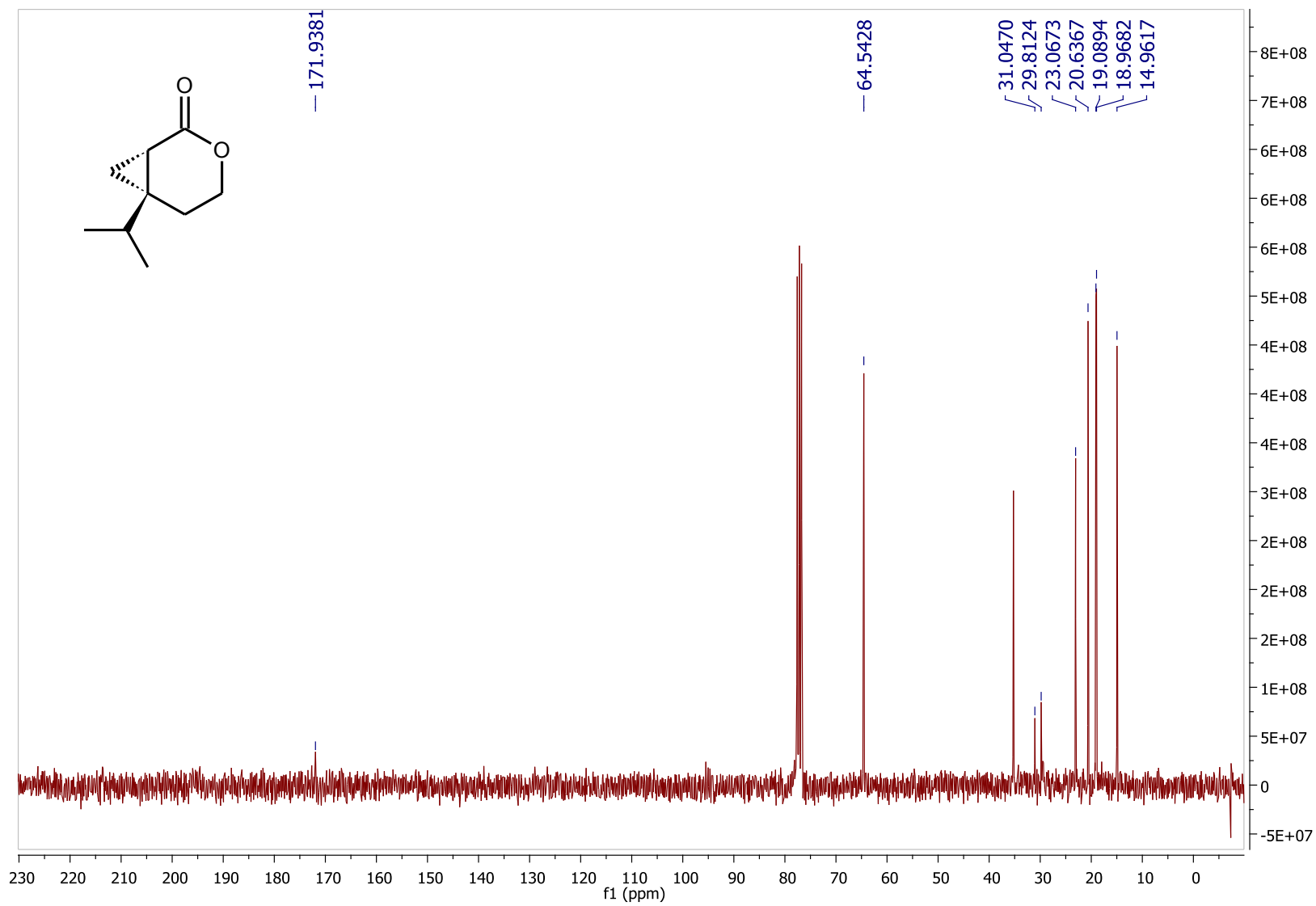
$^1\text{H} - ^{13}\text{C}$  HSQC NMR of compound 3



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



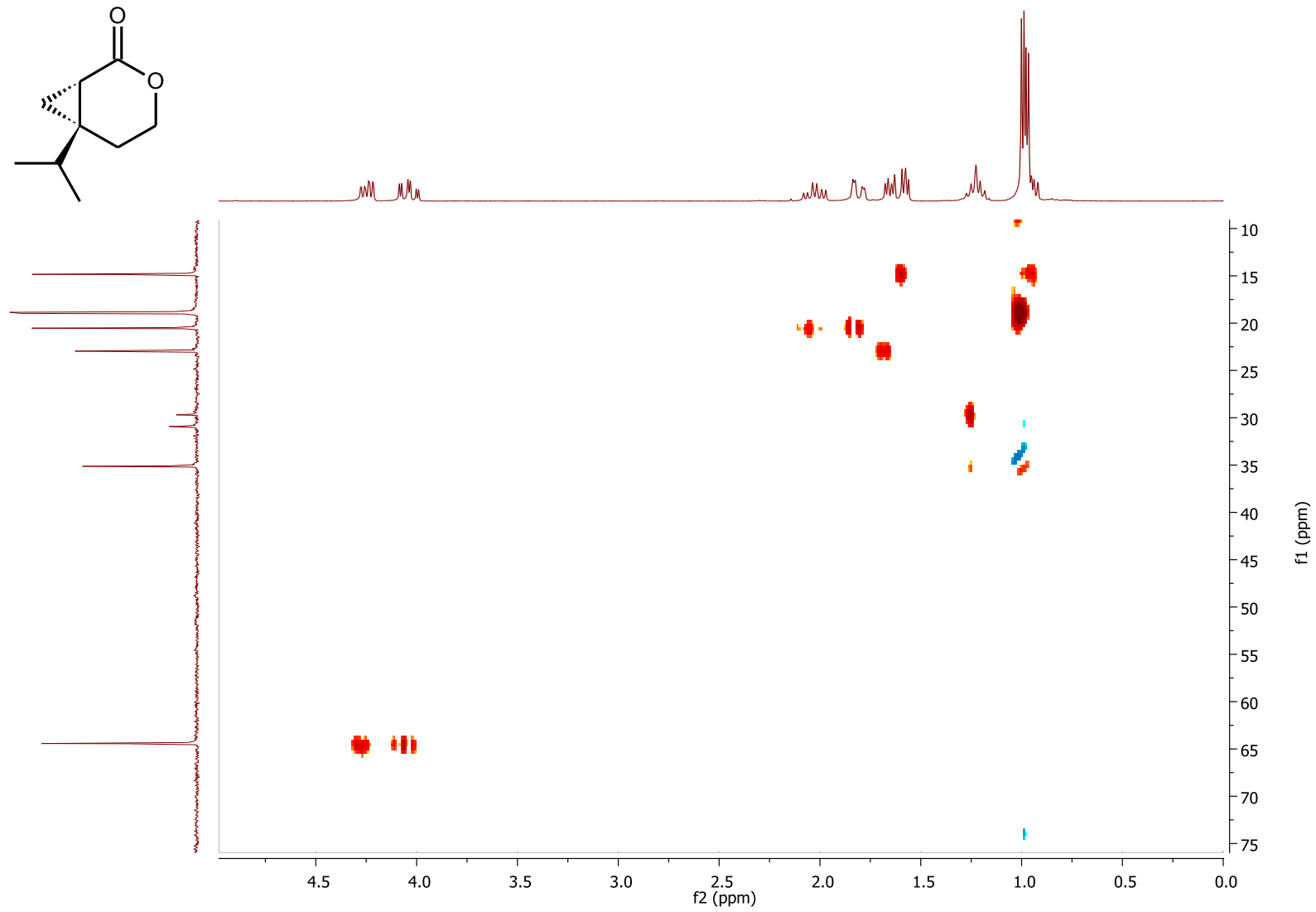
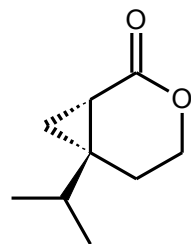
# <sup>13</sup>C NMR of compound 4



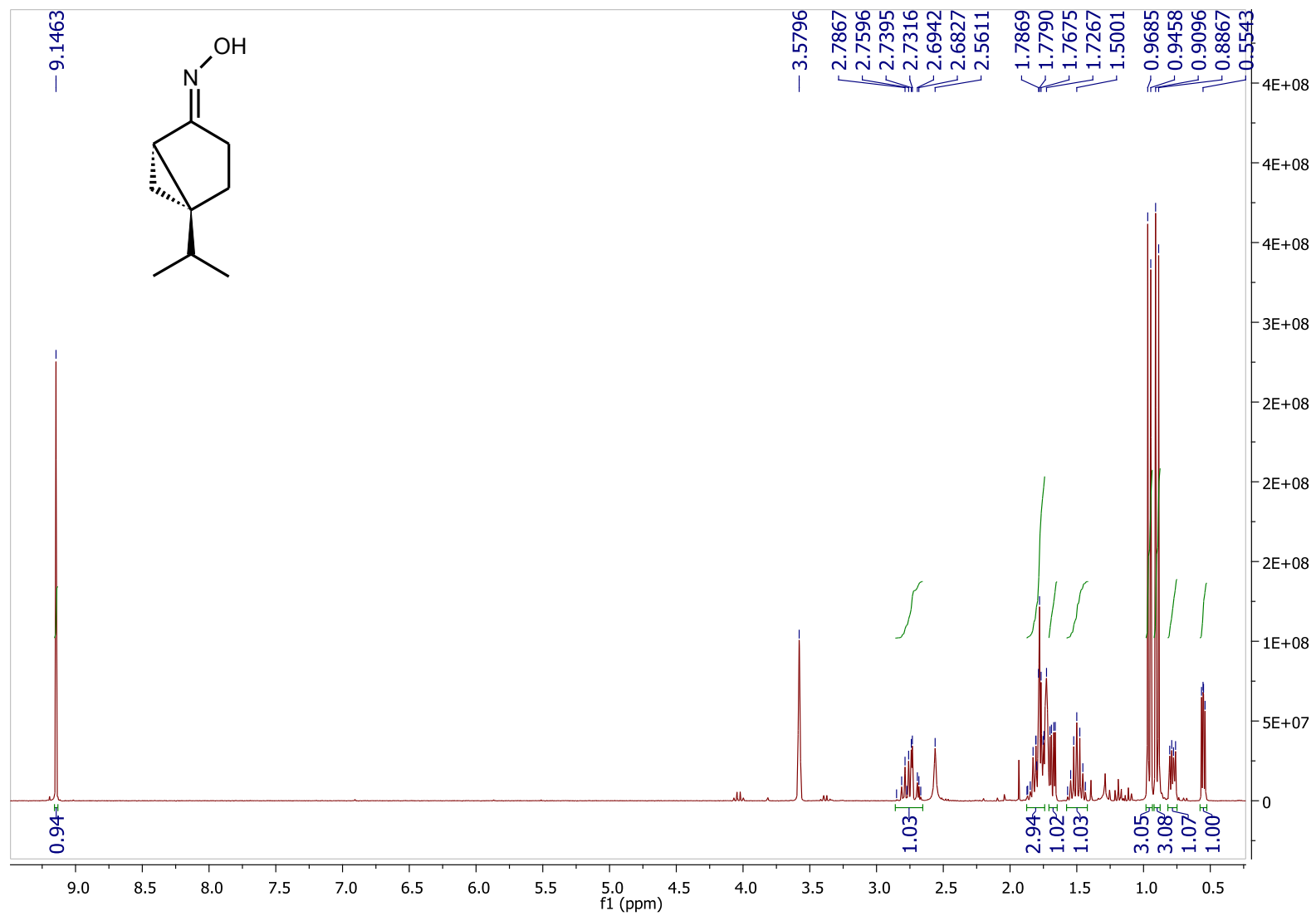




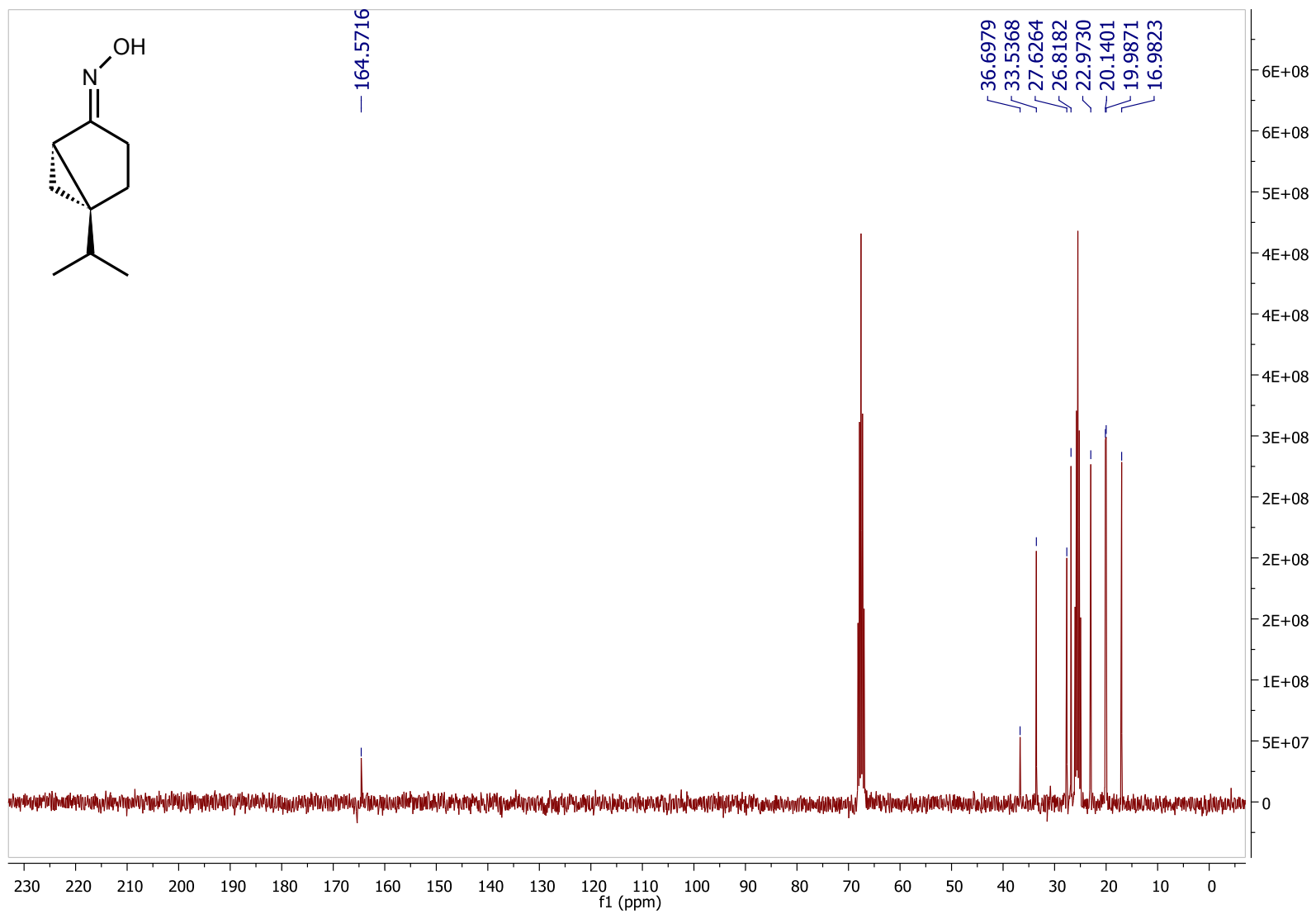
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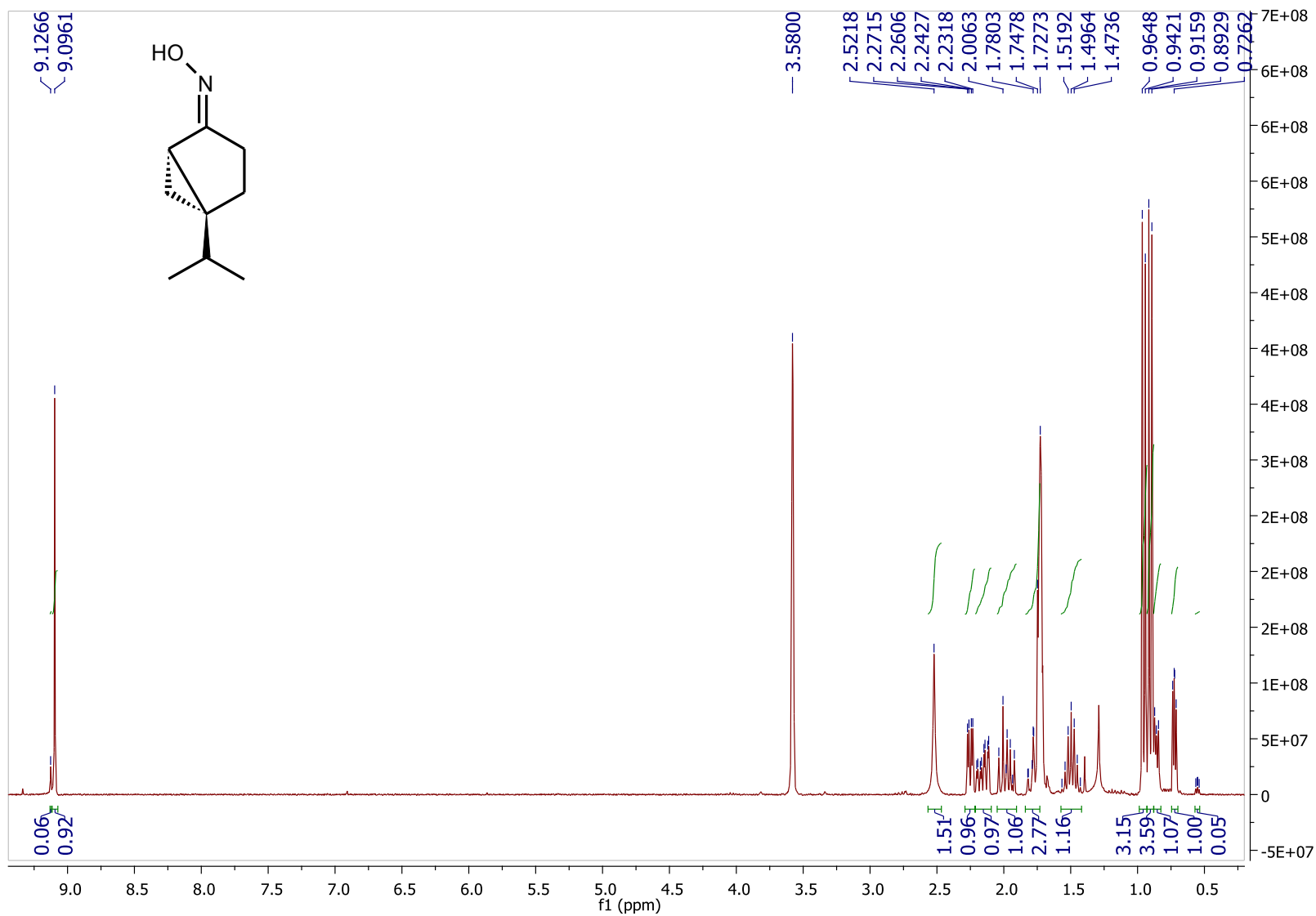
# <sup>1</sup>H NMR of compound 5a



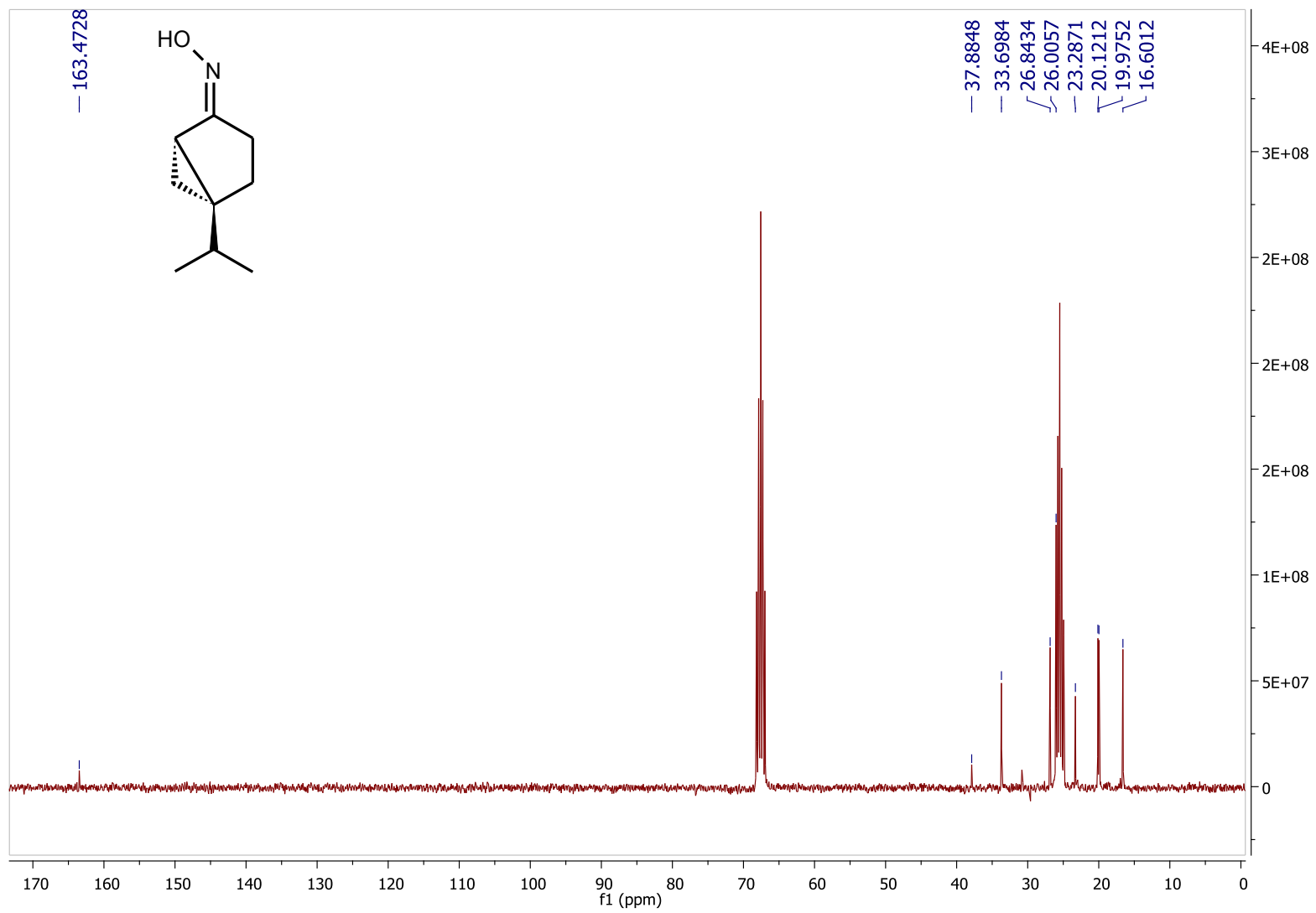
# <sup>13</sup>C NMR of compound 5a



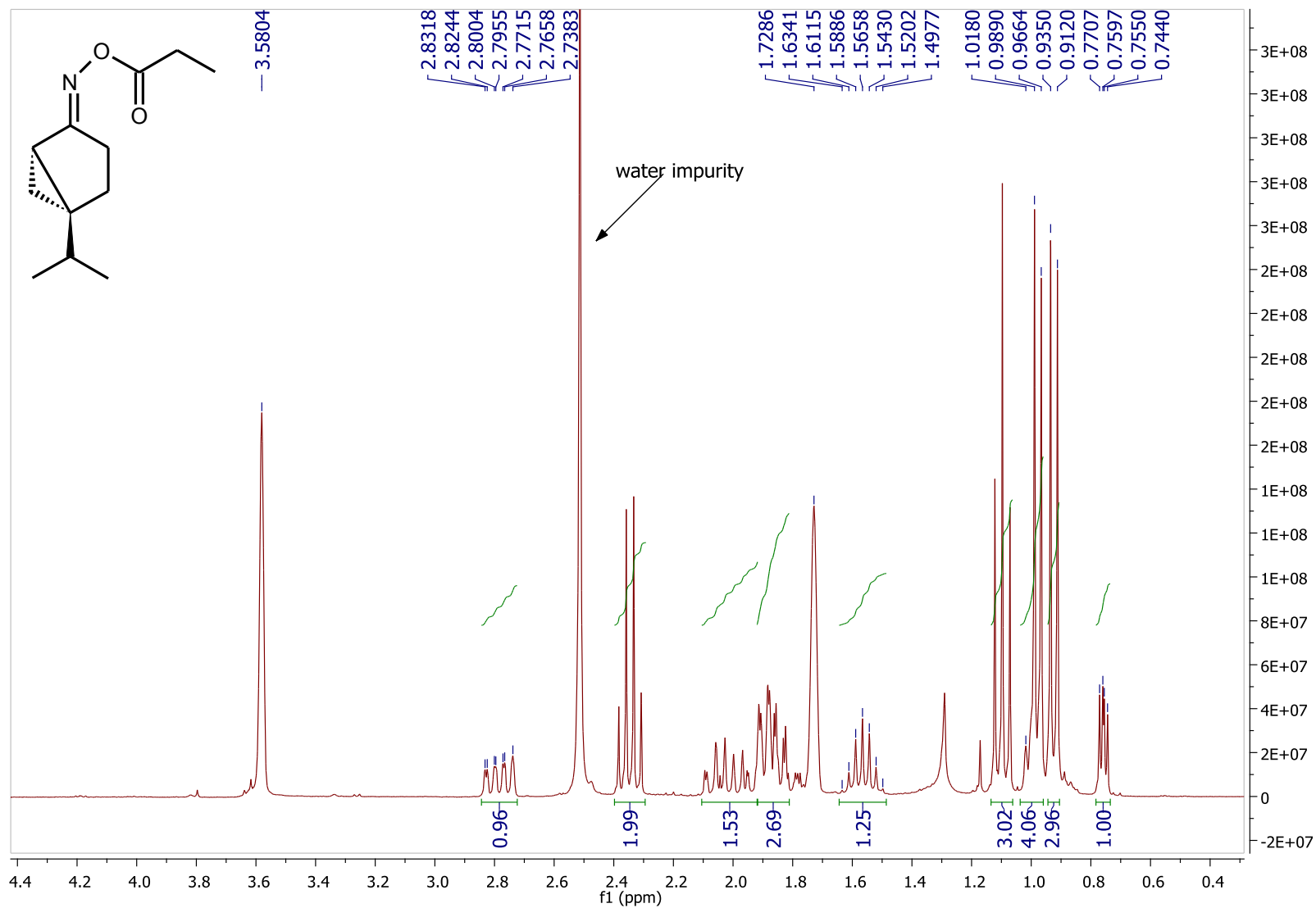
# <sup>1</sup>H NMR of compound 5b



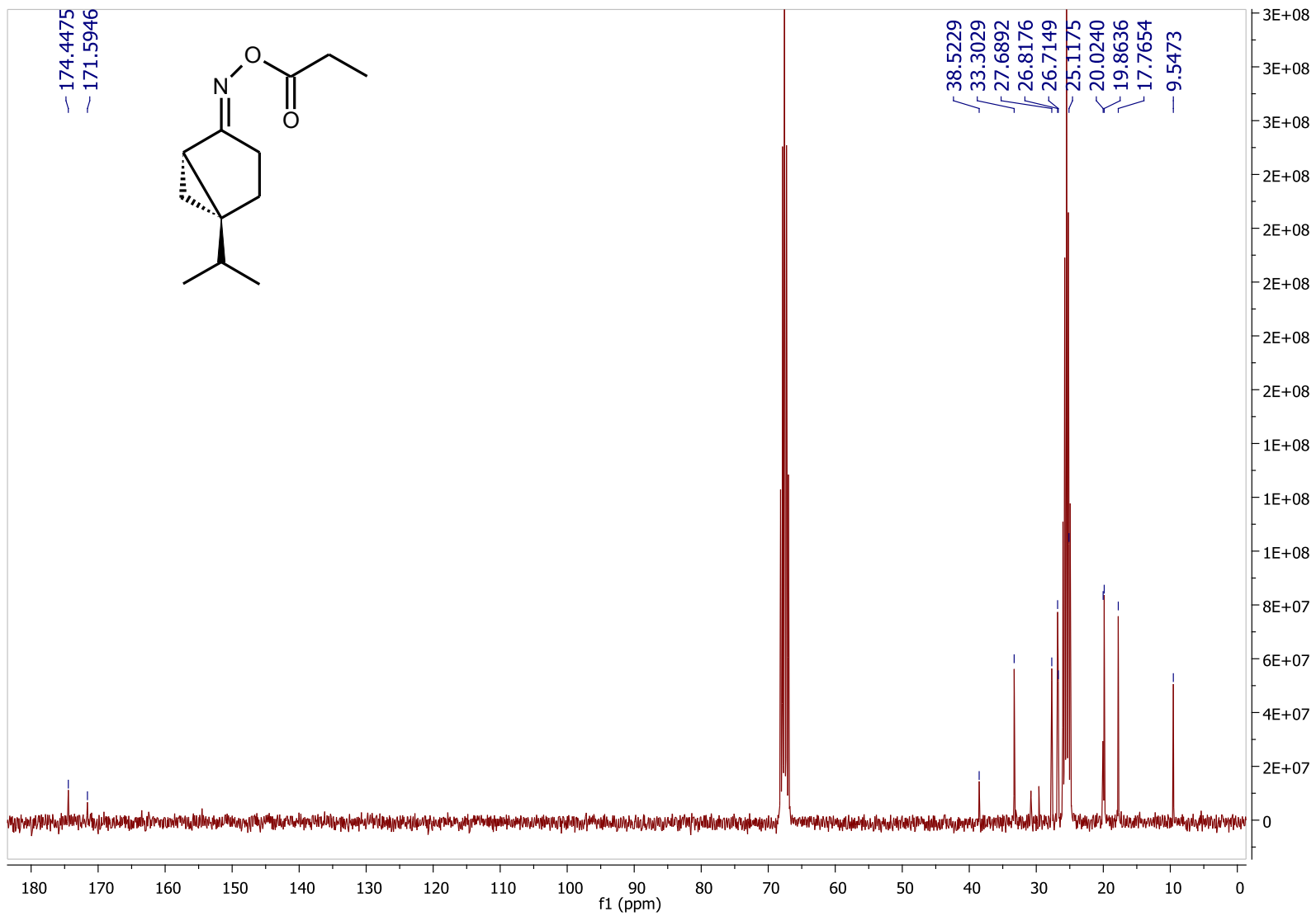
# <sup>13</sup>C NMR of compound 5b



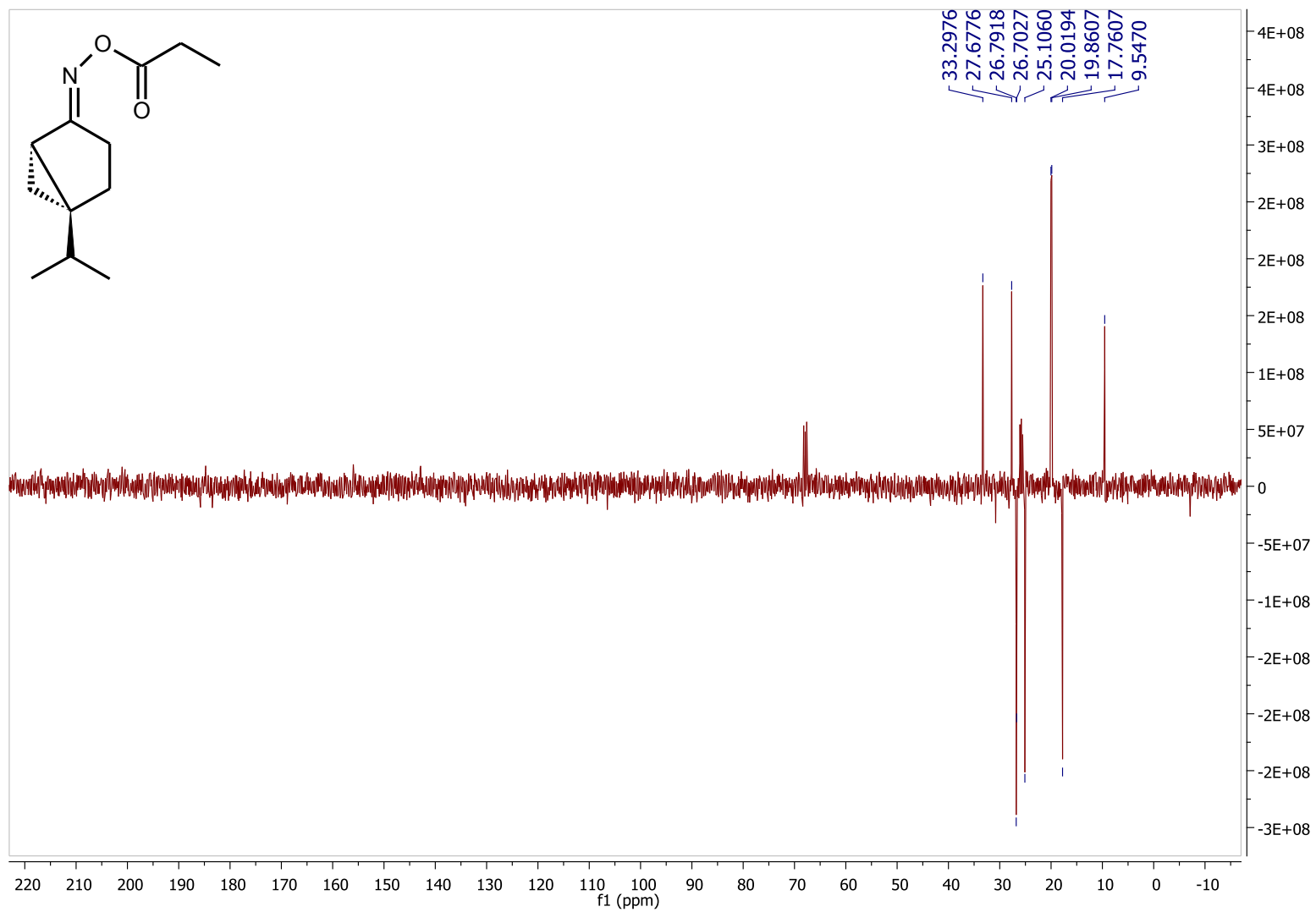
# <sup>1</sup>H NMR of compound 6a



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

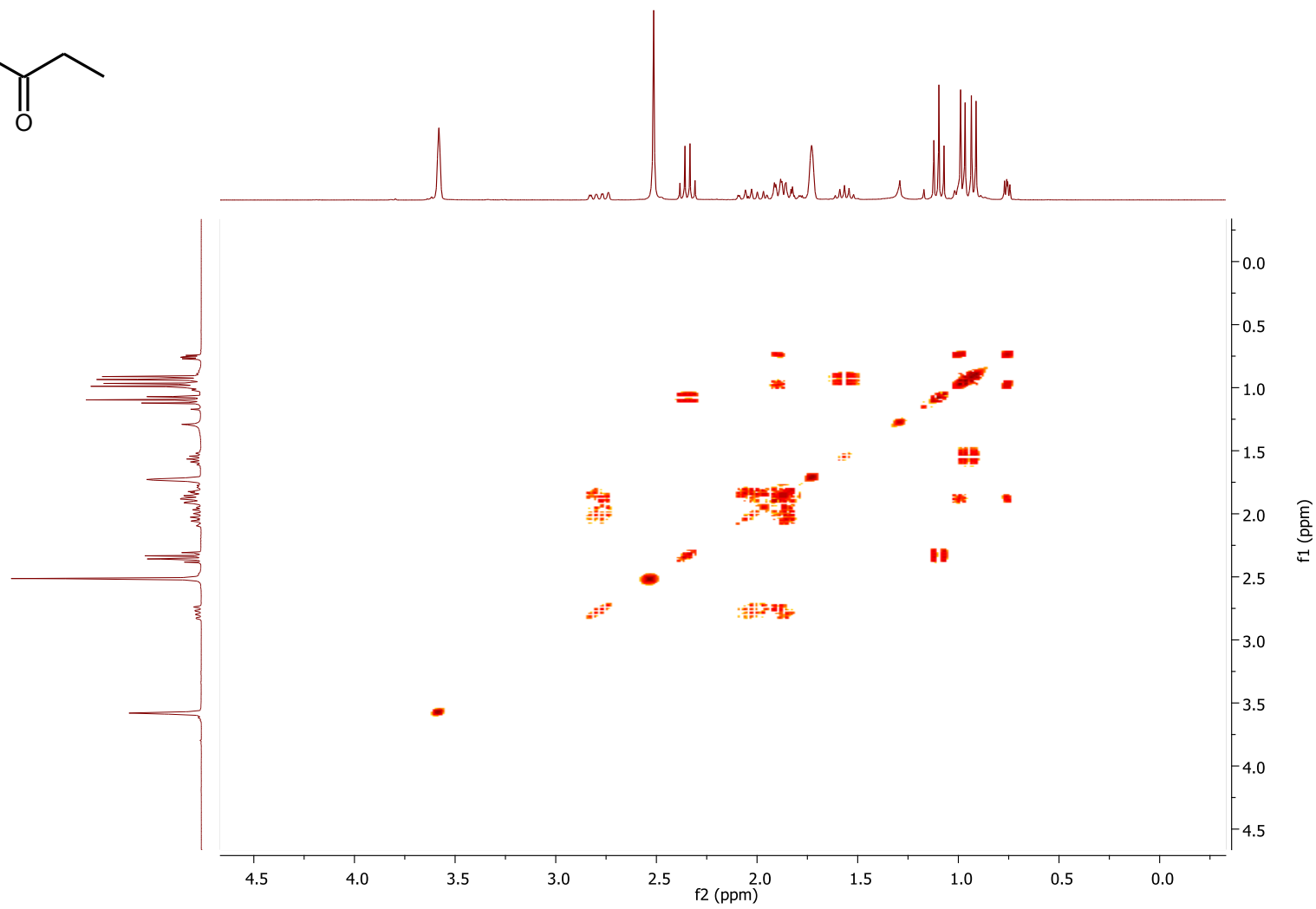
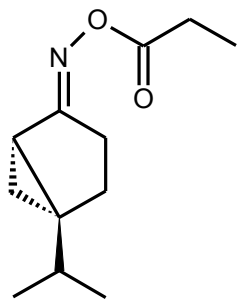


# DEPT 135 NMR of compound 6a

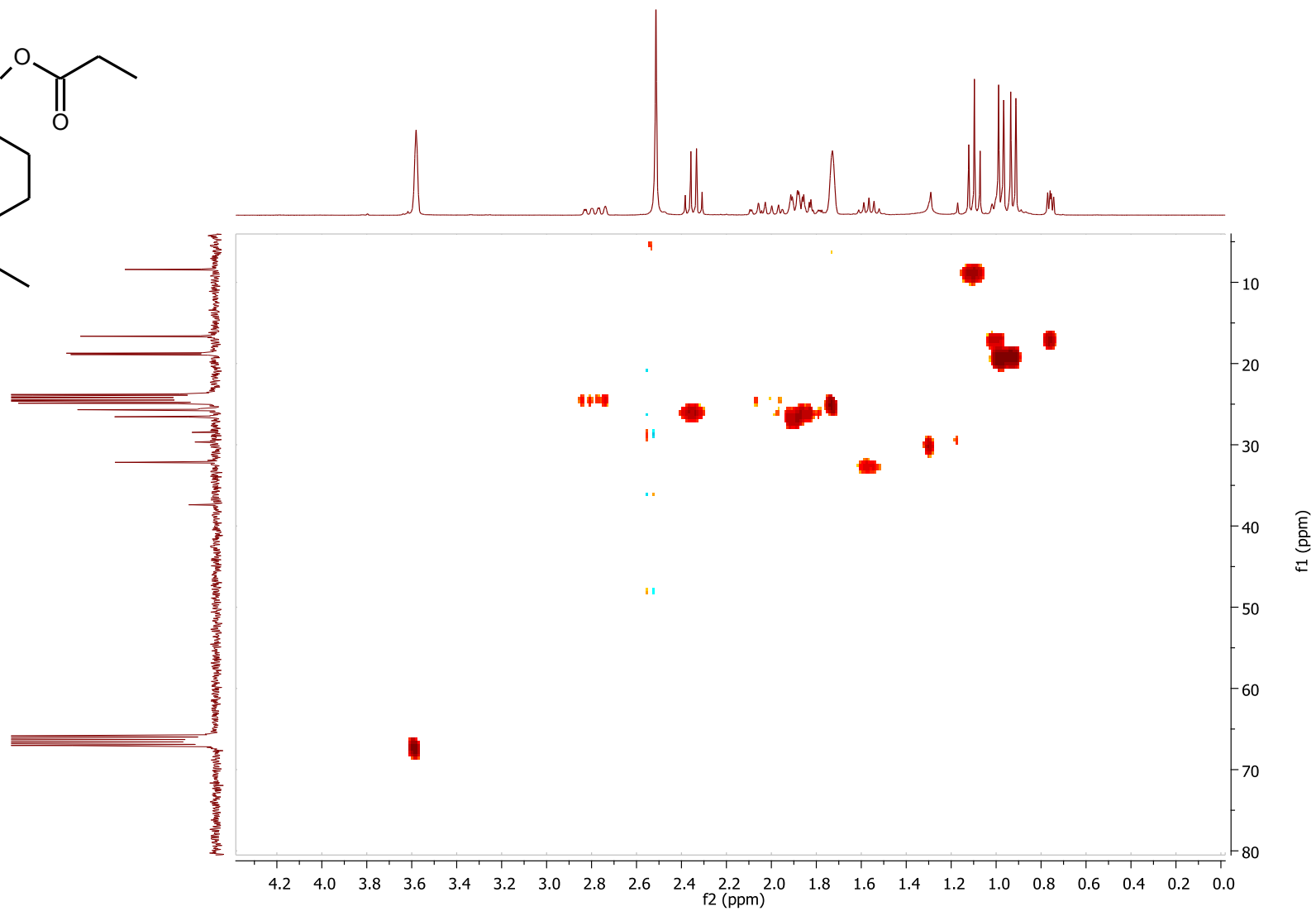
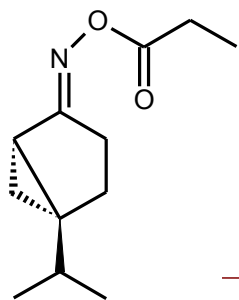




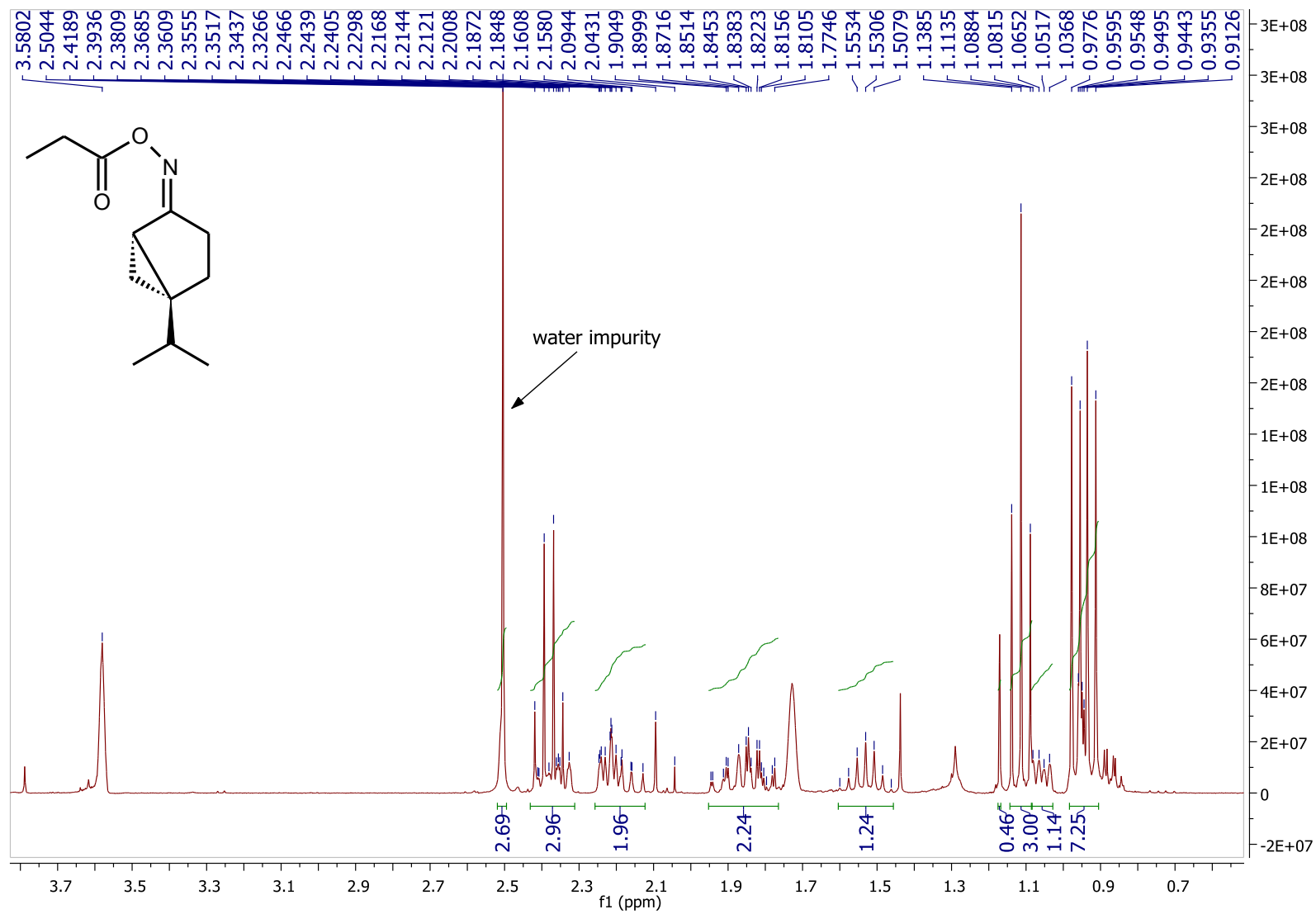
$^1\text{H} - ^1\text{H}$  COSY NMR of compound 6a



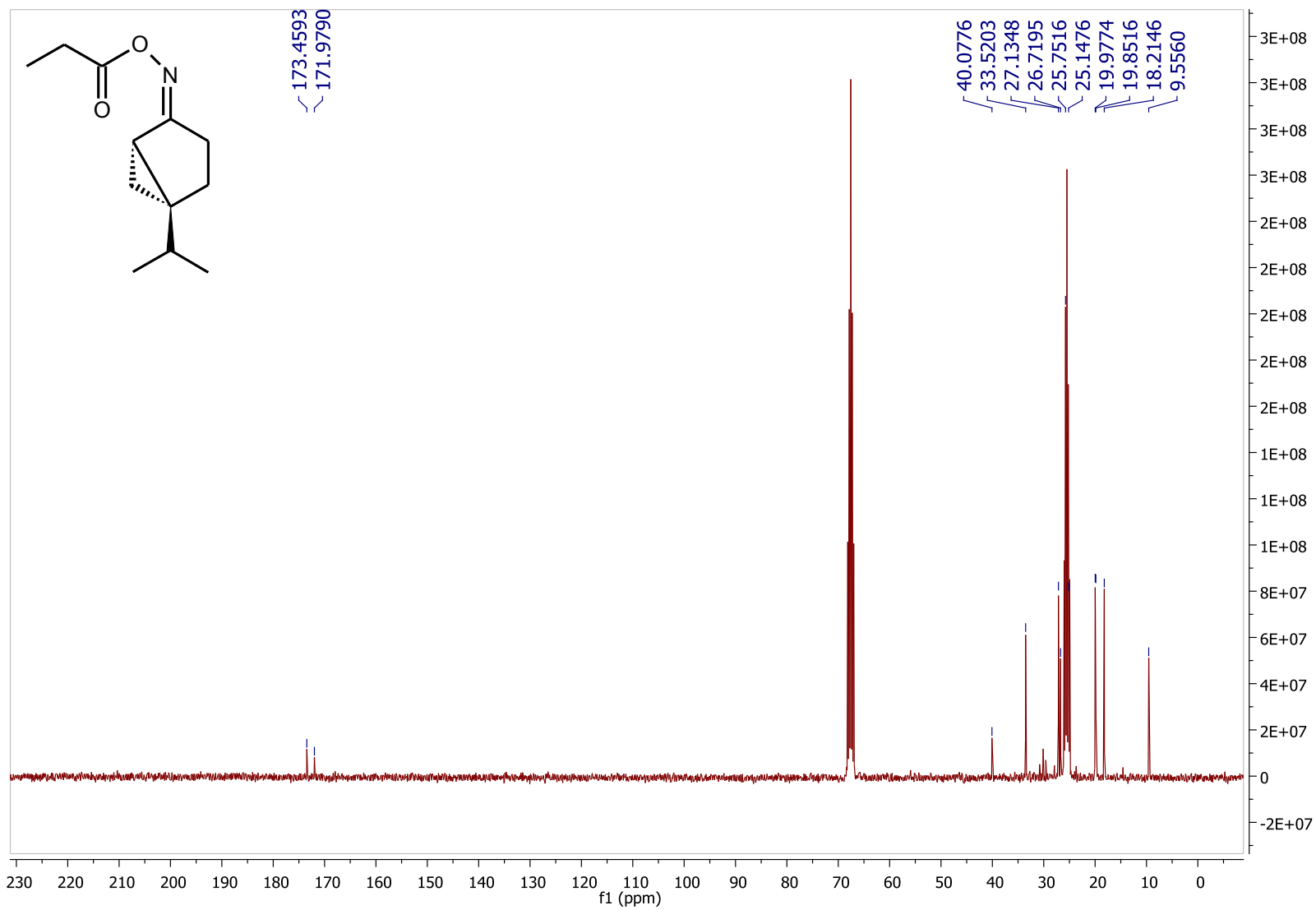
$^1\text{H} - ^{13}\text{C}$  HSQC NMR of compound 6a



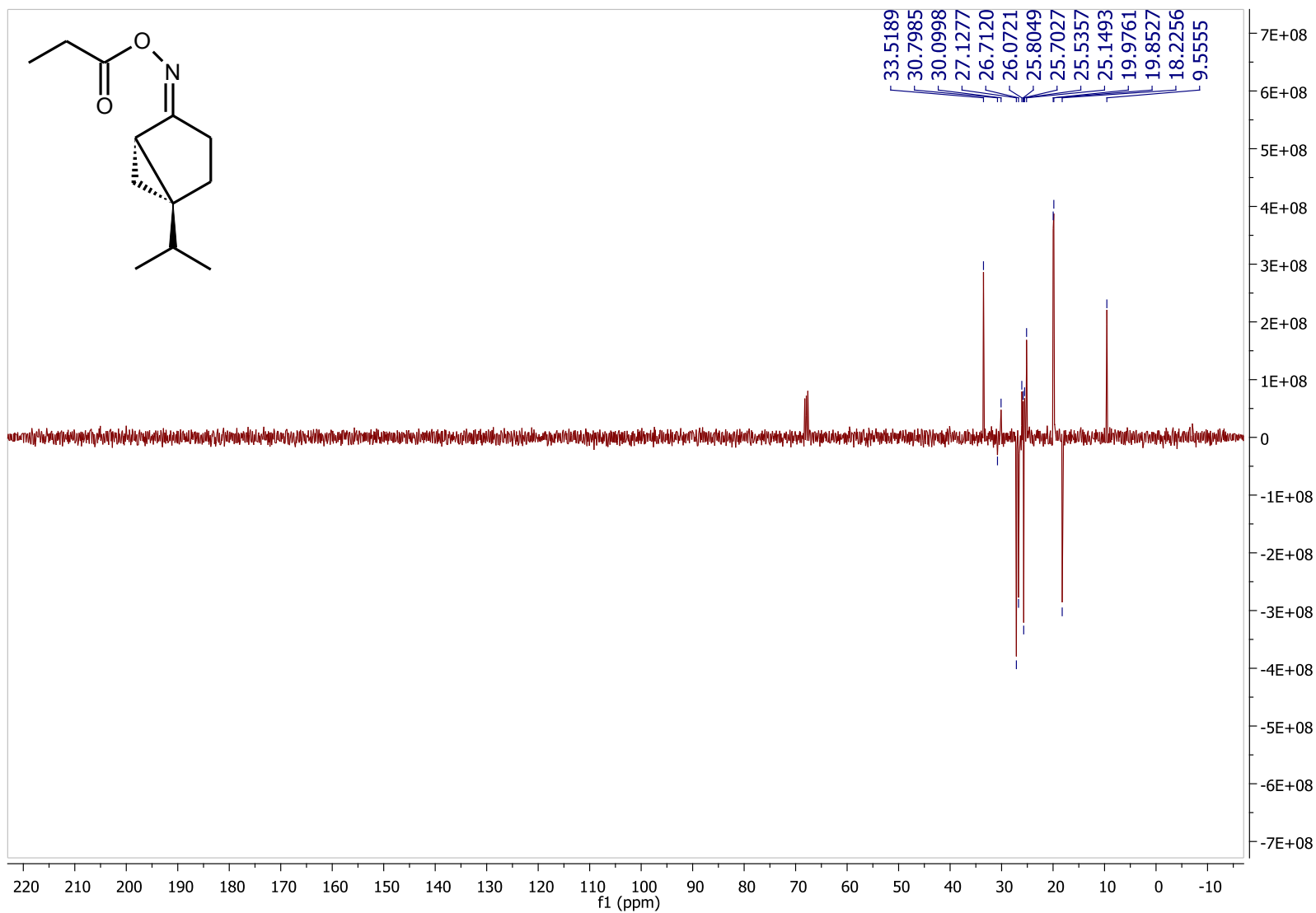
# <sup>1</sup>H NMR of compound 6b



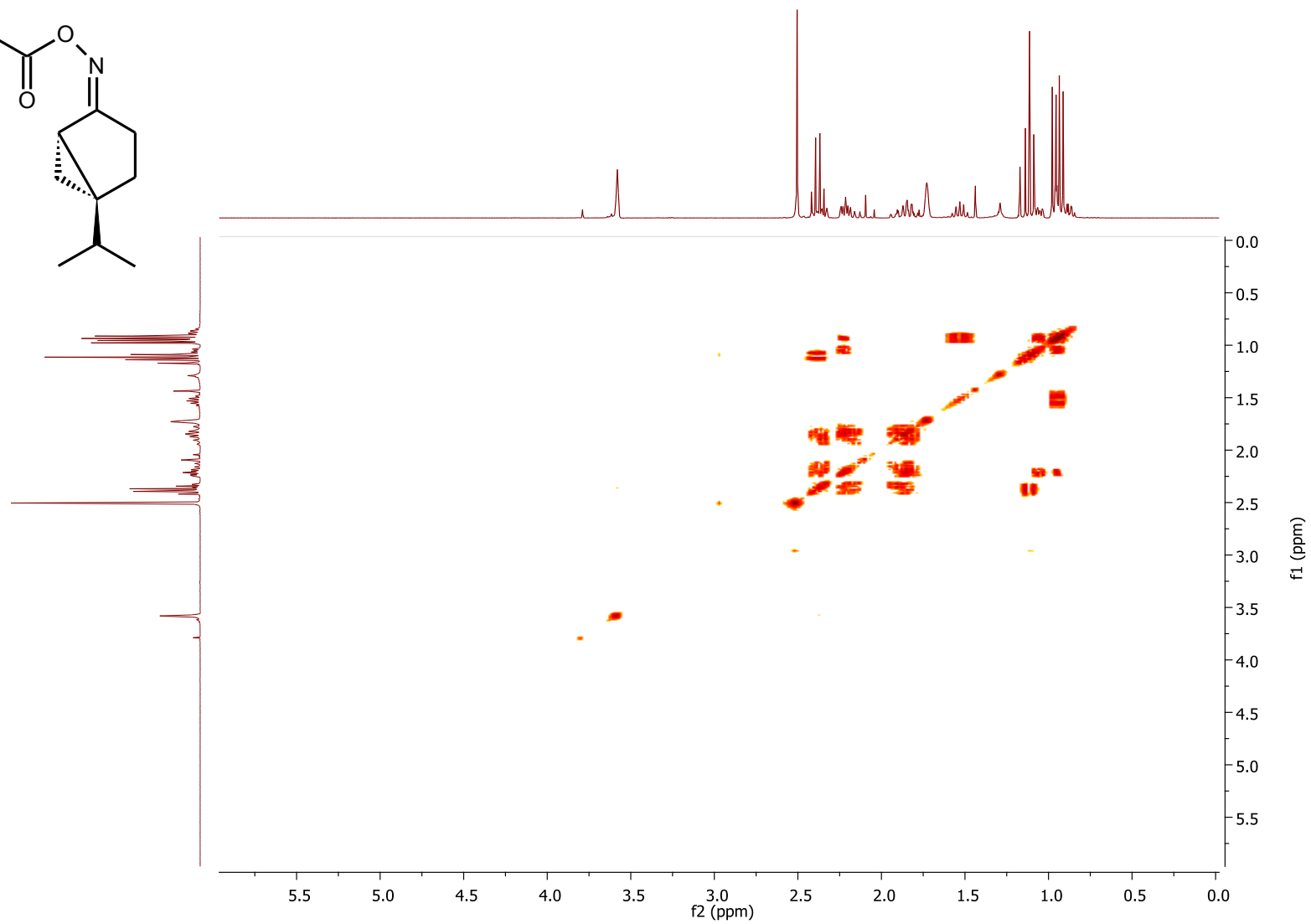
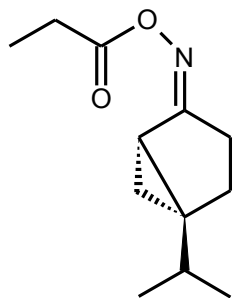
# <sup>13</sup>C NMR of compound 6b



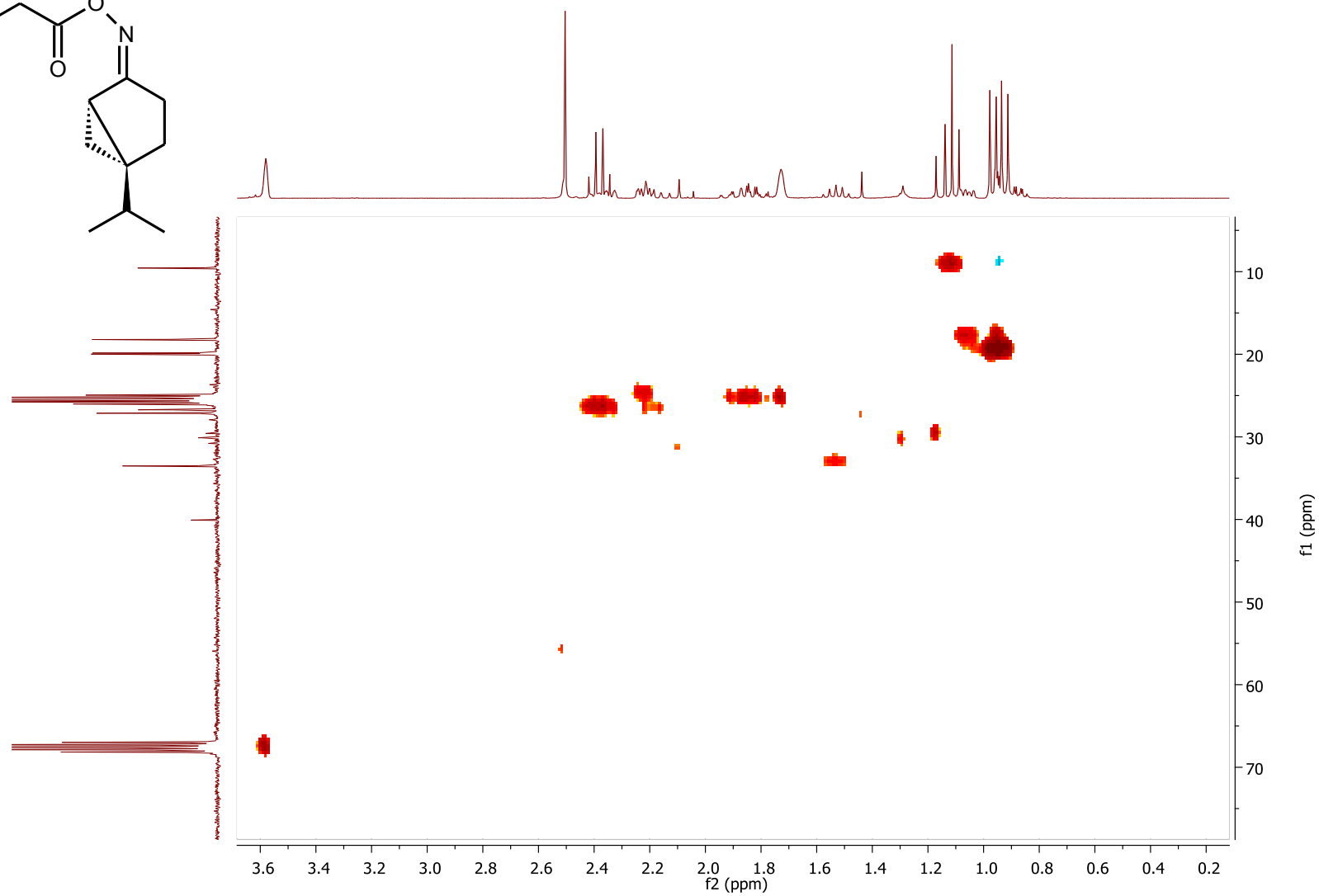
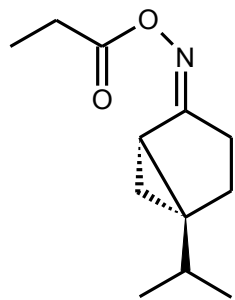
# DEPT 135 NMR of compound 6b



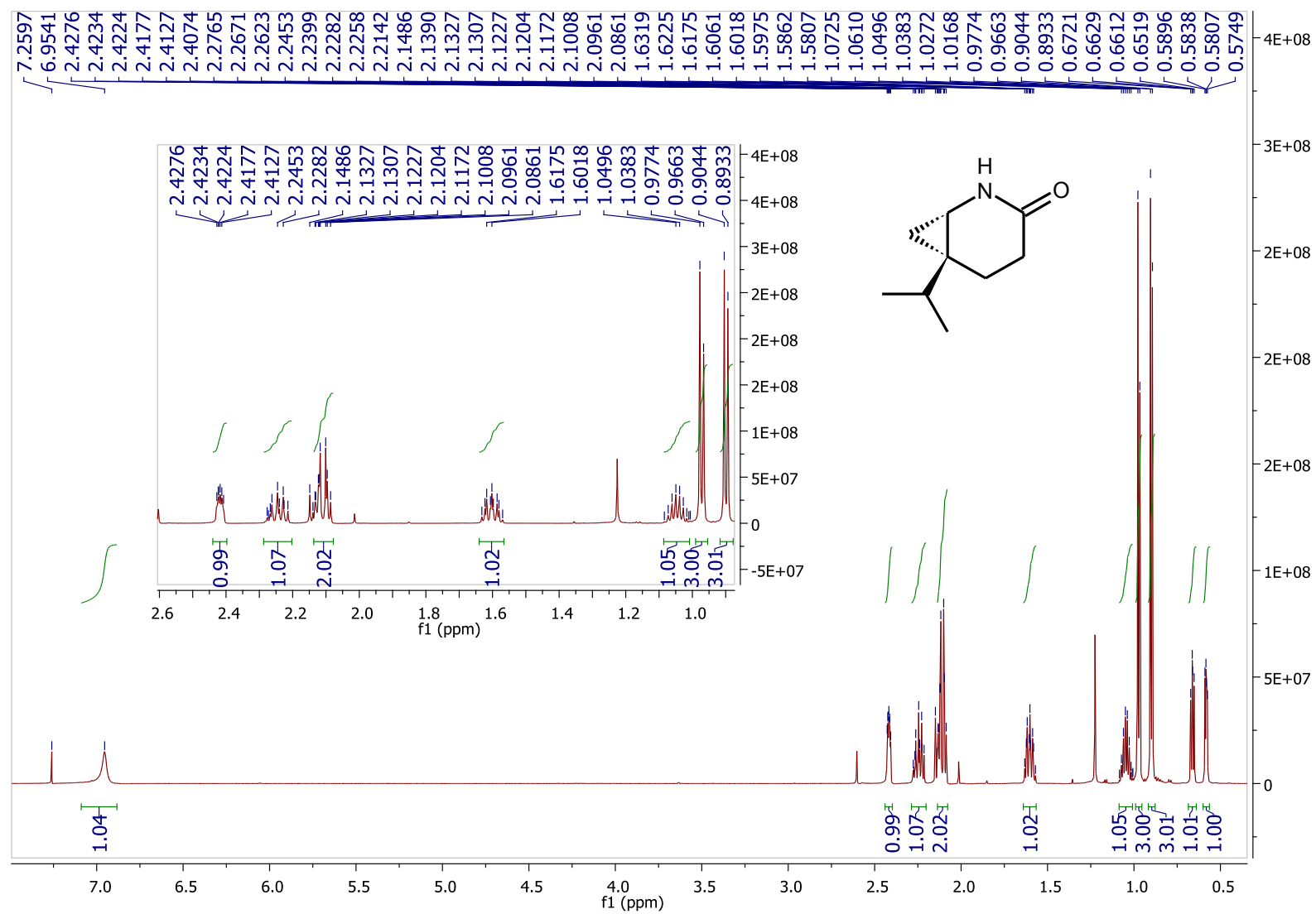
$^1\text{H} - ^1\text{H}$  COSY NMR of compound 6b



$^1\text{H} - ^{13}\text{C}$  HSQC NMR of compound 6b

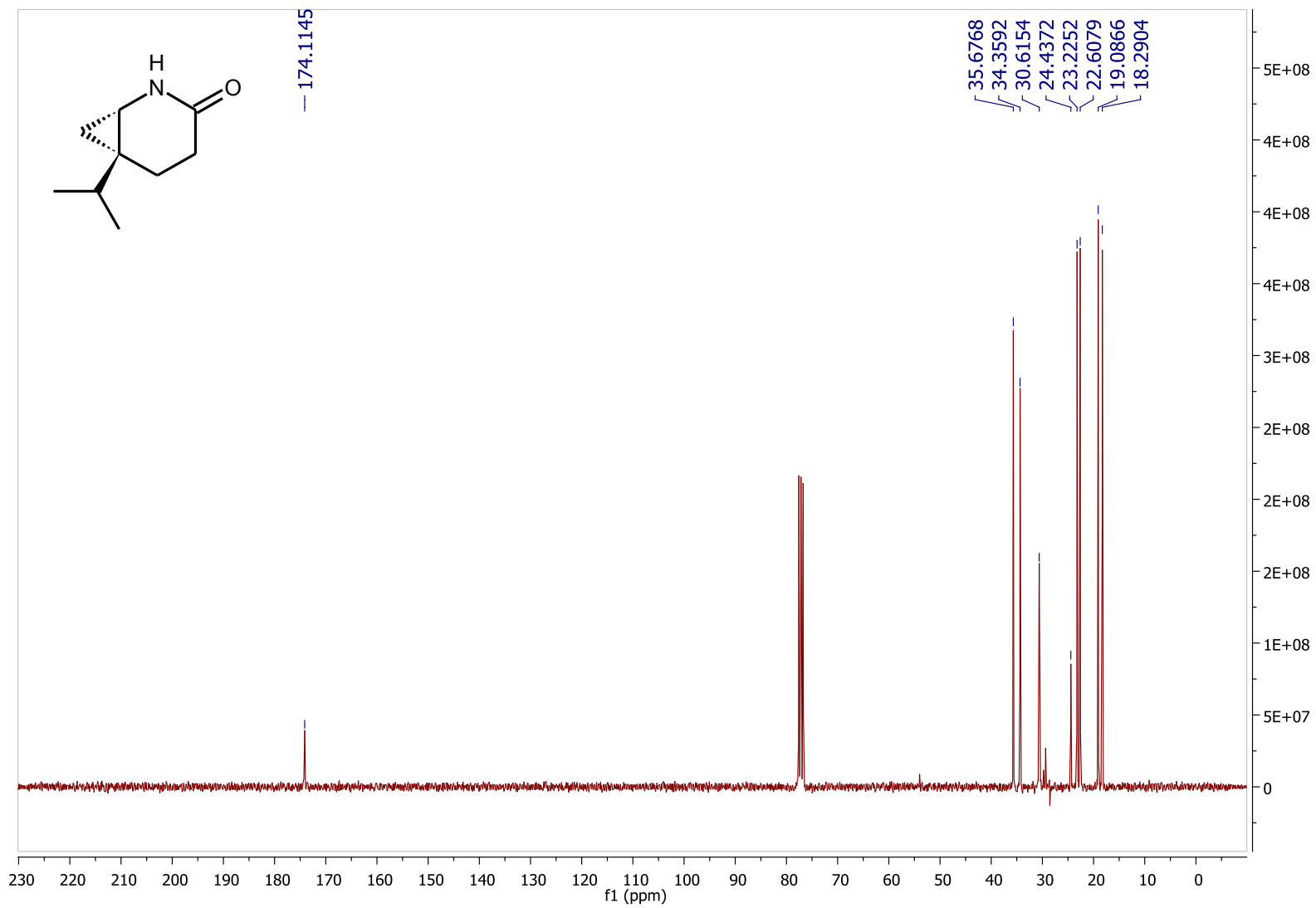


# <sup>1</sup>H NMR of compound 7

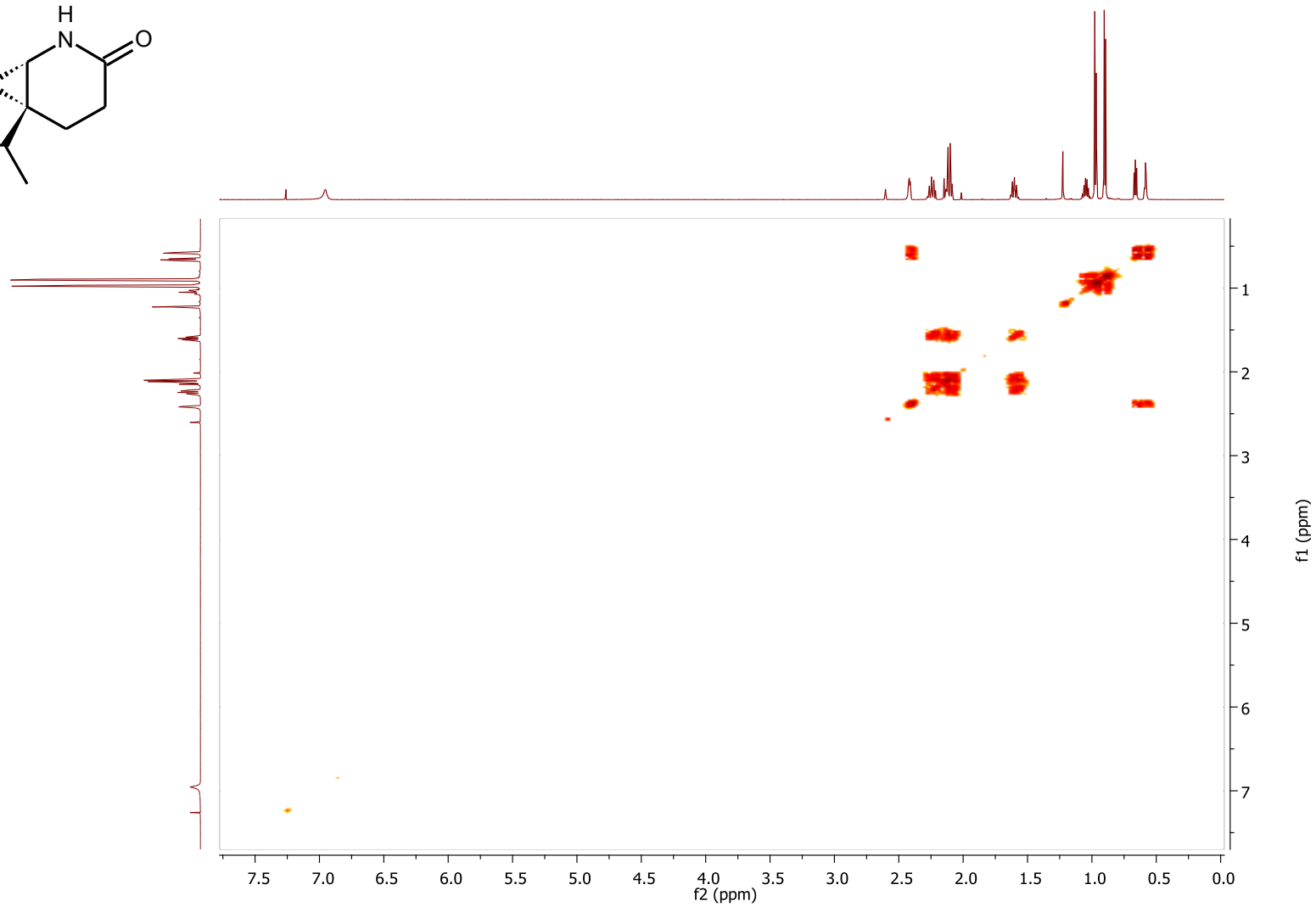
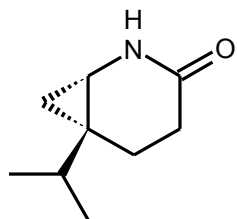




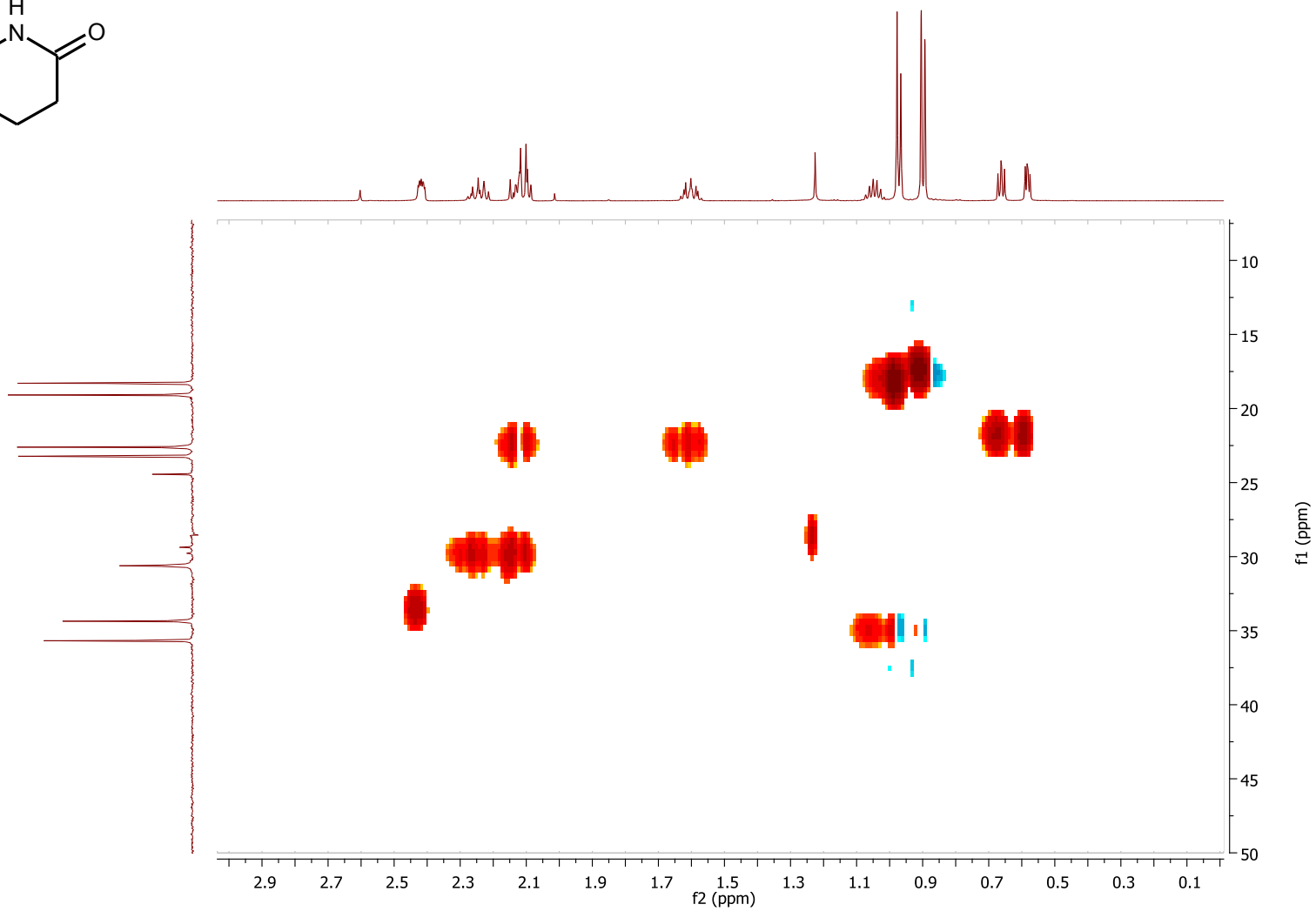
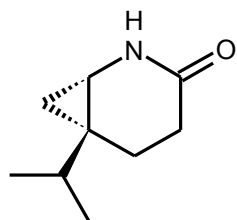
# <sup>13</sup>C NMR of compound 7



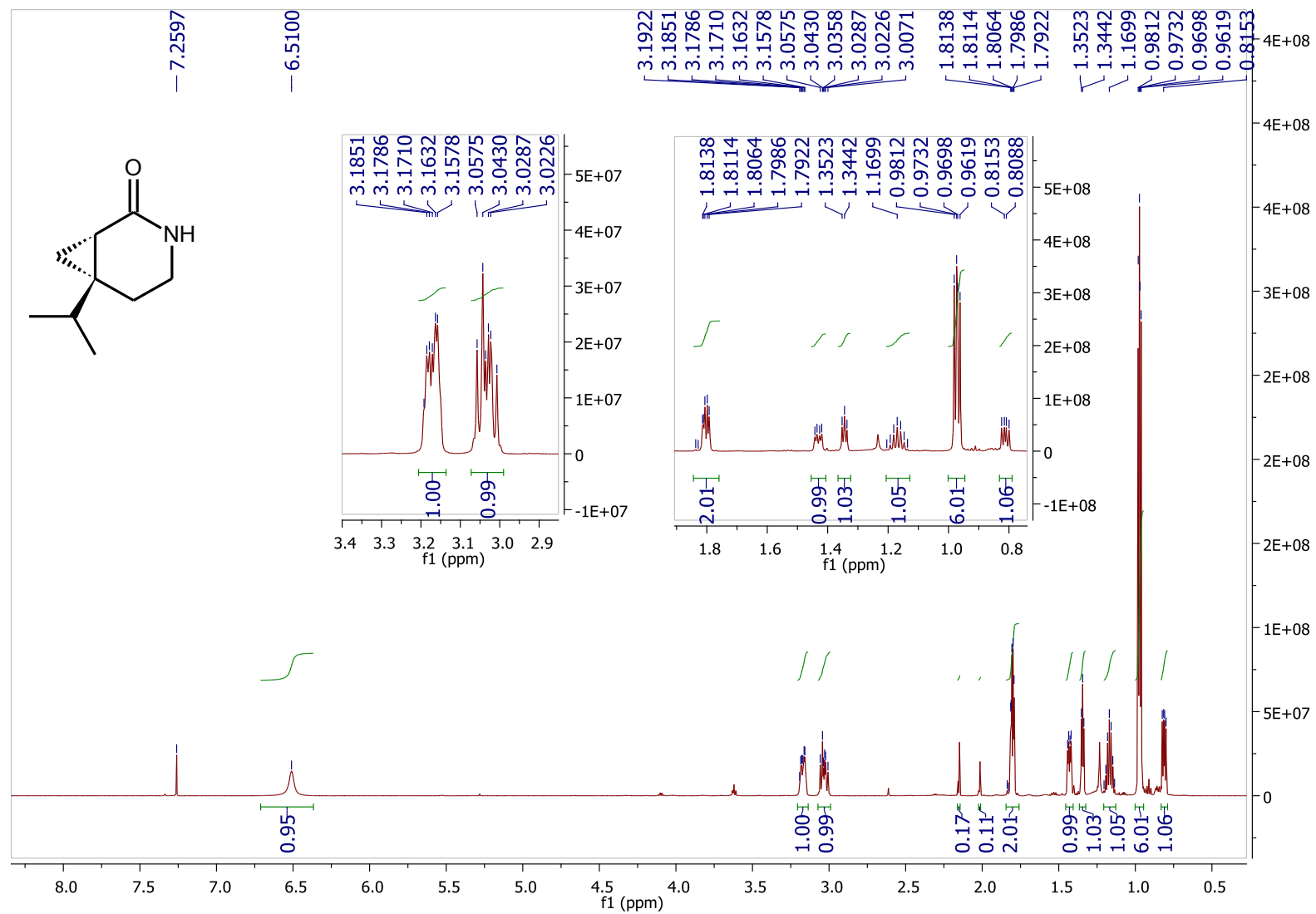
$^1\text{H} - ^1\text{H}$  COSY NMR of compound 7



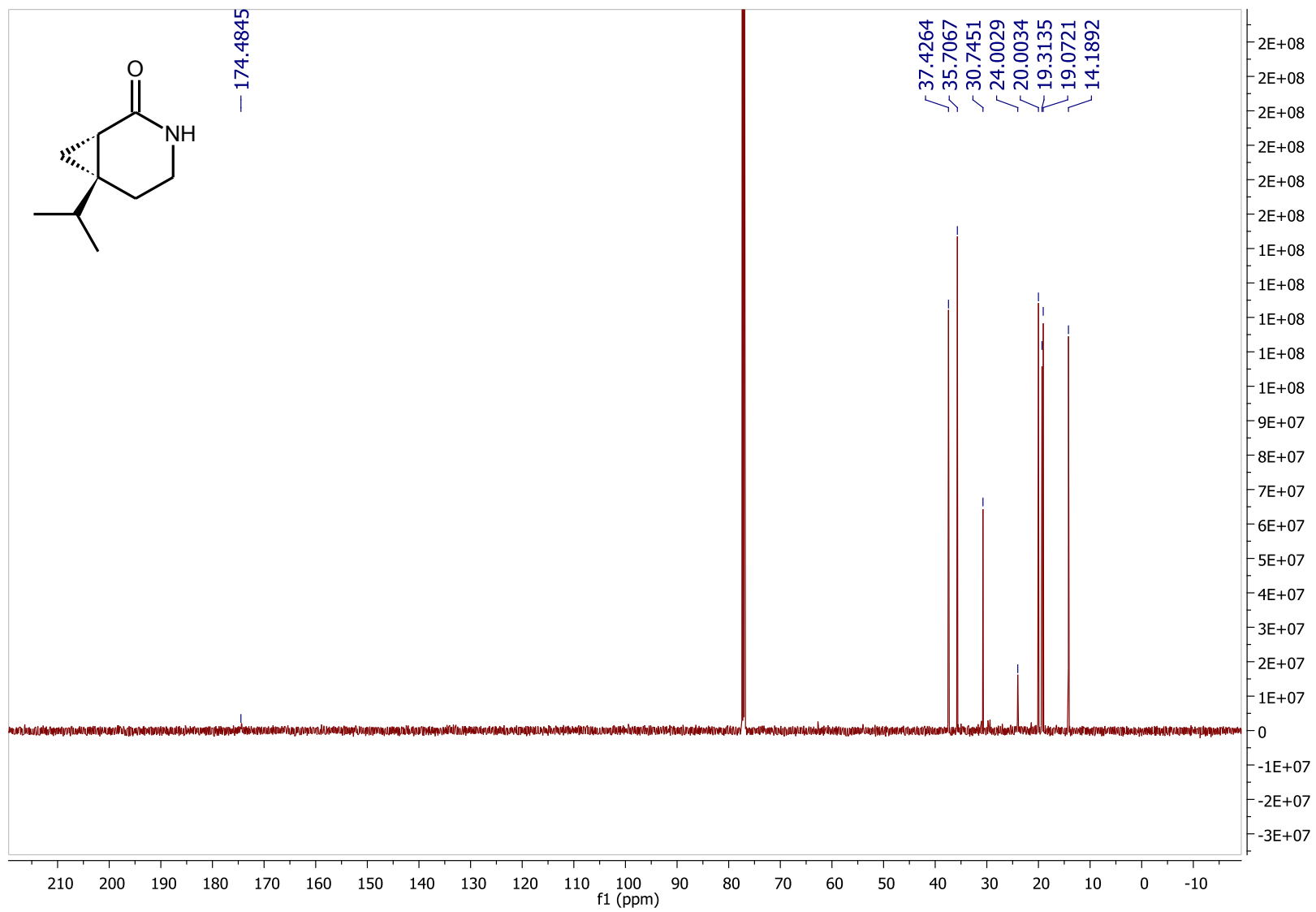
$^1\text{H} - ^{13}\text{C}$  HSQC NMR of compound 7



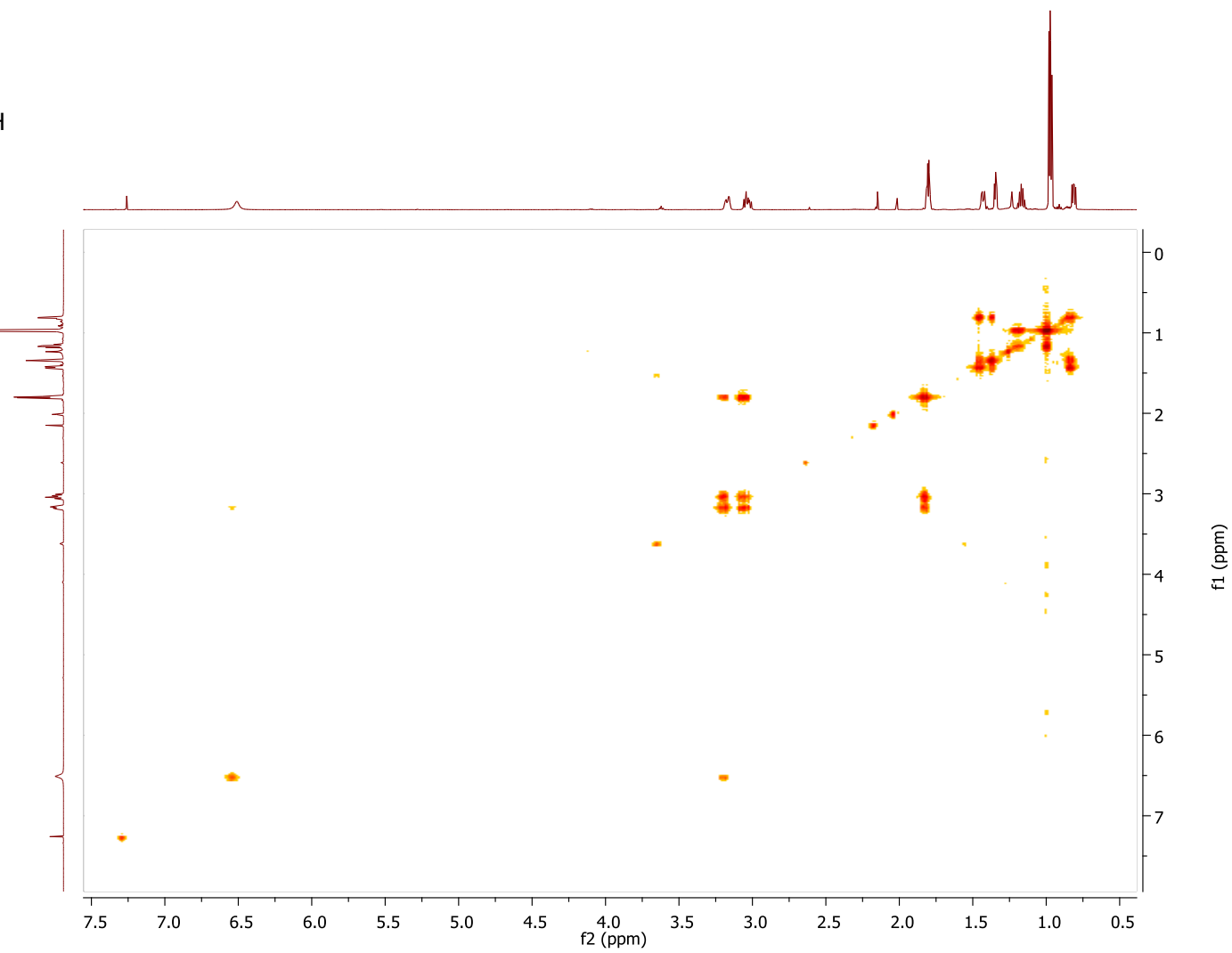
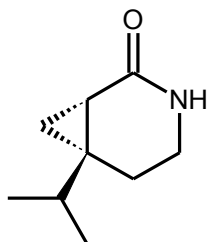
# <sup>1</sup>H NMR of compound 8



# <sup>13</sup>C NMR of compound 8



# $^1\text{H} - ^1\text{H}$ COSY NMR of compound 8



$^1\text{H} - ^{13}\text{C}$  HSQC NMR of compound 8

