A Non-Coordinating Acid-Base Catalyst for the Mild and Non-Reversible *tert*-Butylation of Alcohols and Phenols

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Supporting Information

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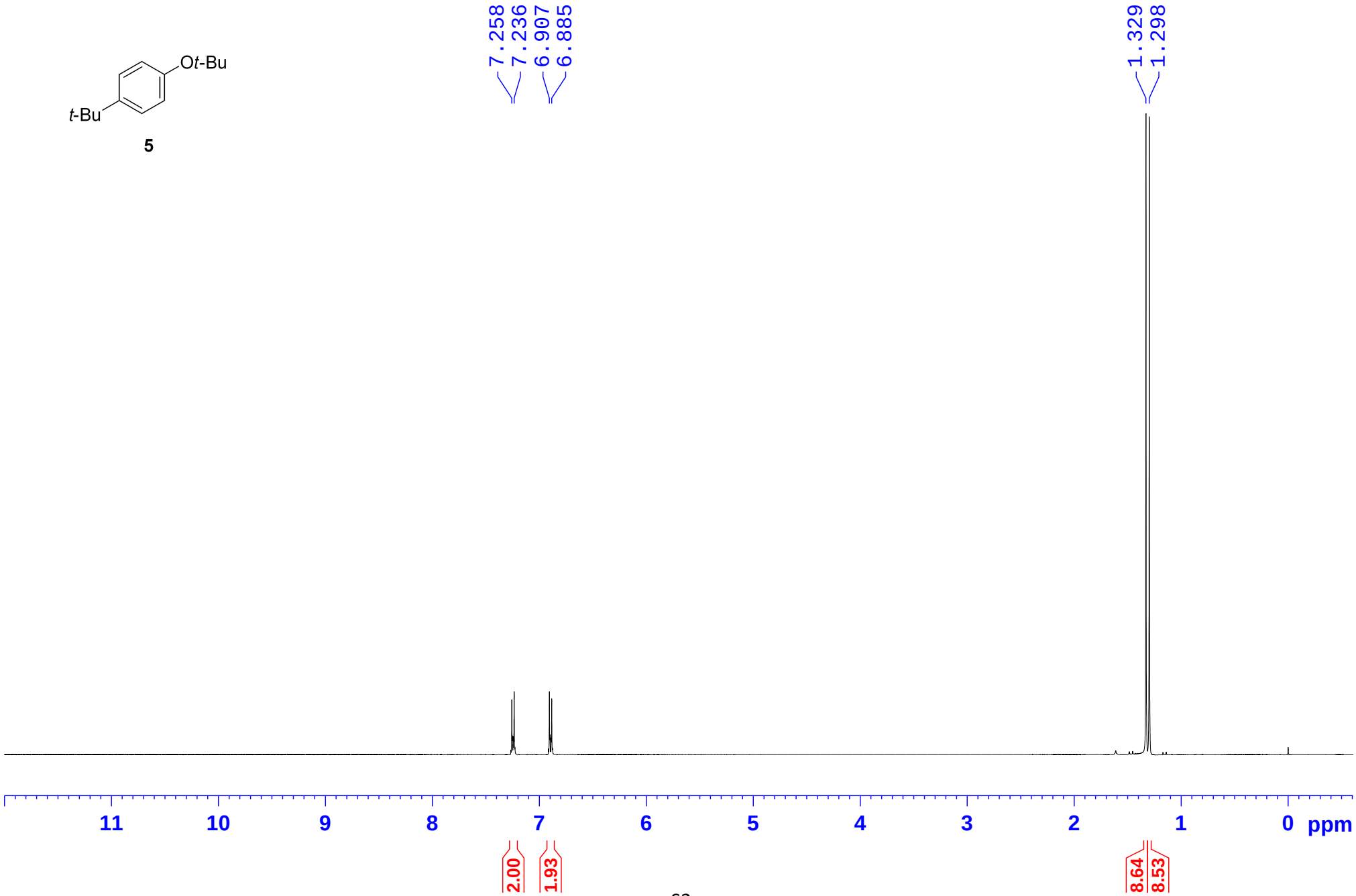
NMR spectra of all products (^{1}H NMR, ^{13}C{^{1}H} NMR, and ^{31}P NMR)..... S2-S38

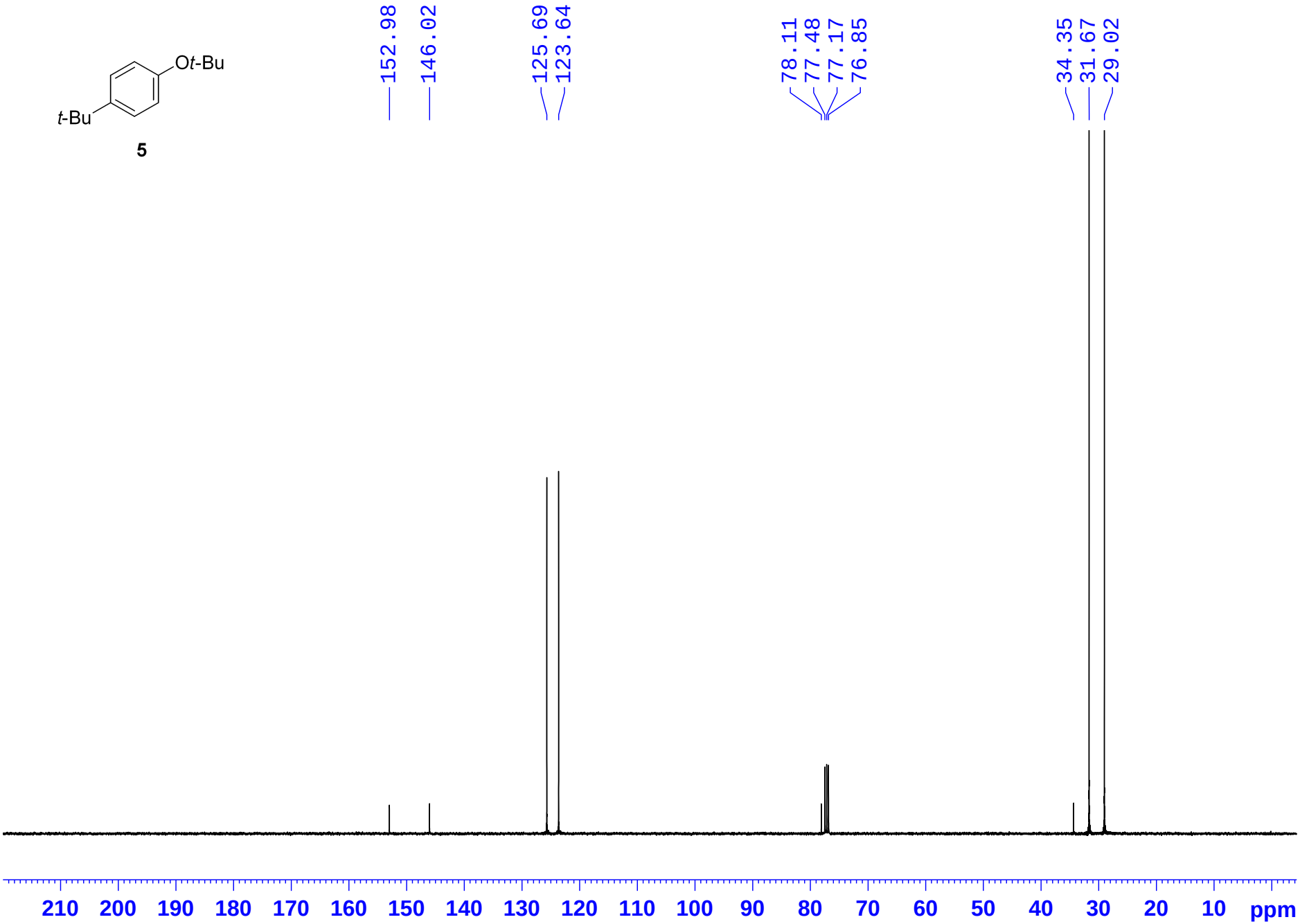
^{1}H NMR ($CDCl_3$, 400 MHz) for compound **5**

5

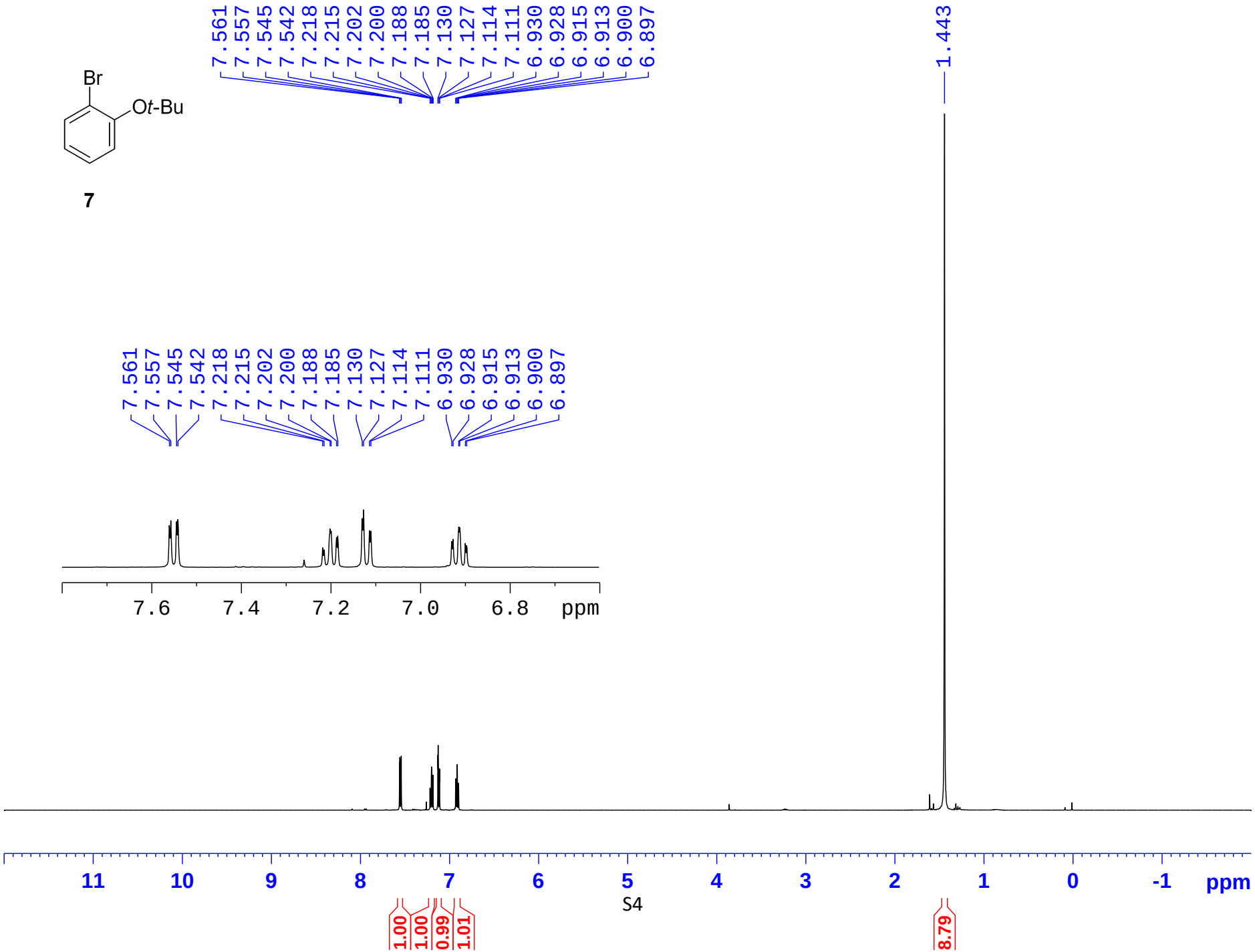


$^{13}C\{^{1}H\}$ NMR ($CDCl_3$, 100 MHz) for compound **5**

5

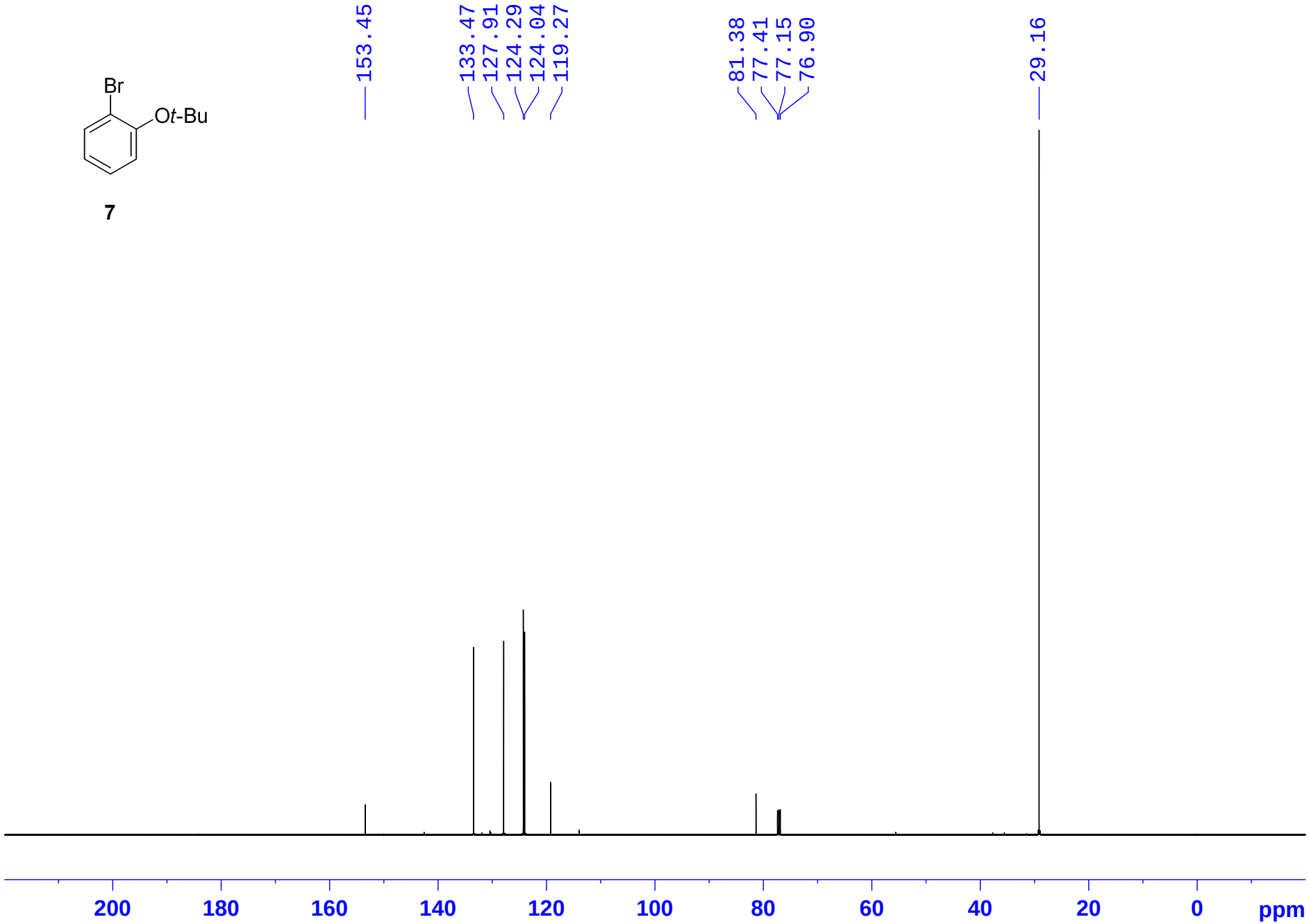


^{1}H NMR ($CDCl_3$, 500 MHz) for compound **7**



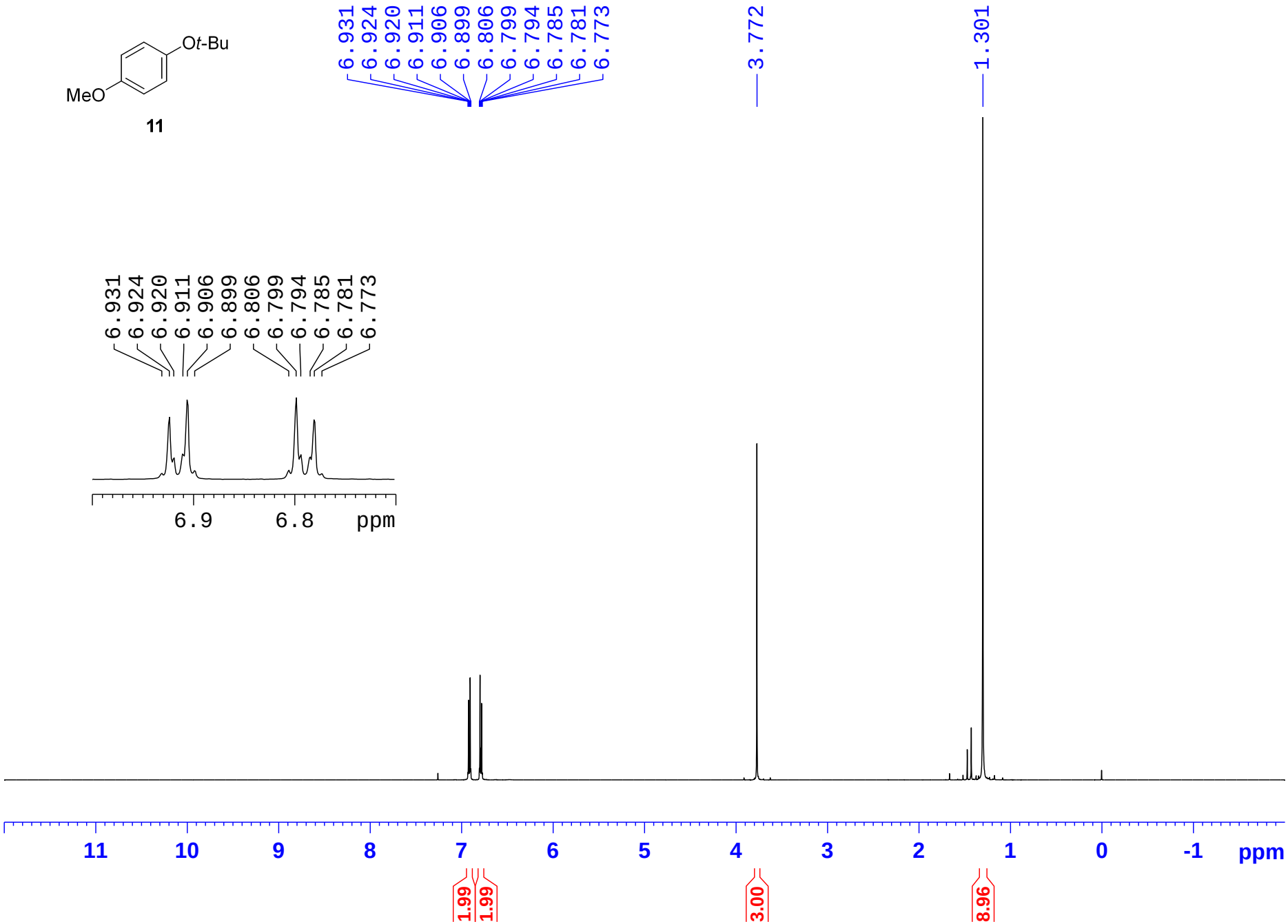
$^{13}C\{^{1}H\}$ NMR ($CDCl_3$, 125 MHz) for compound **7**

7



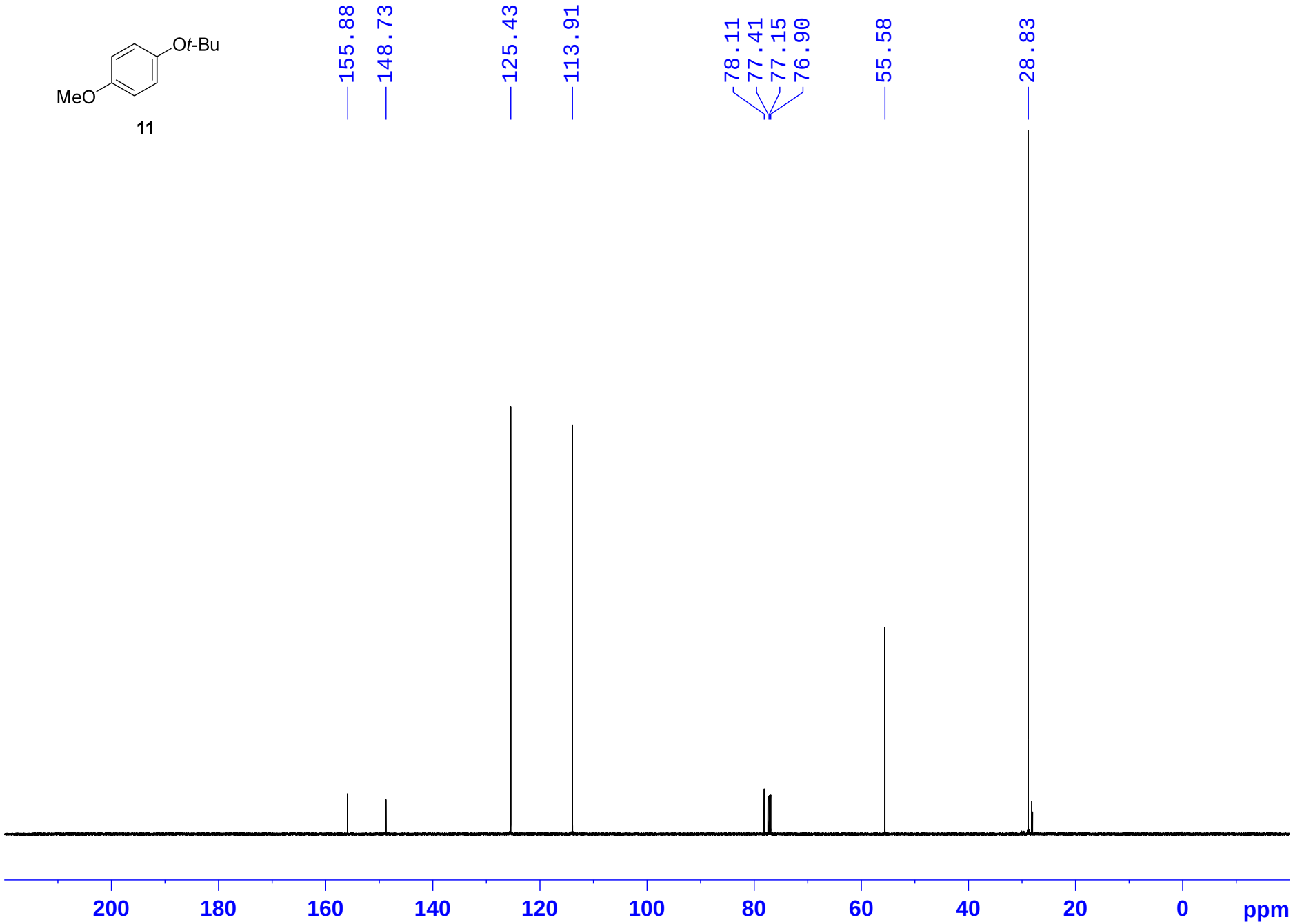
^{1}H NMR ($CDCl_3$, 500 MHz) for compound **11**

11



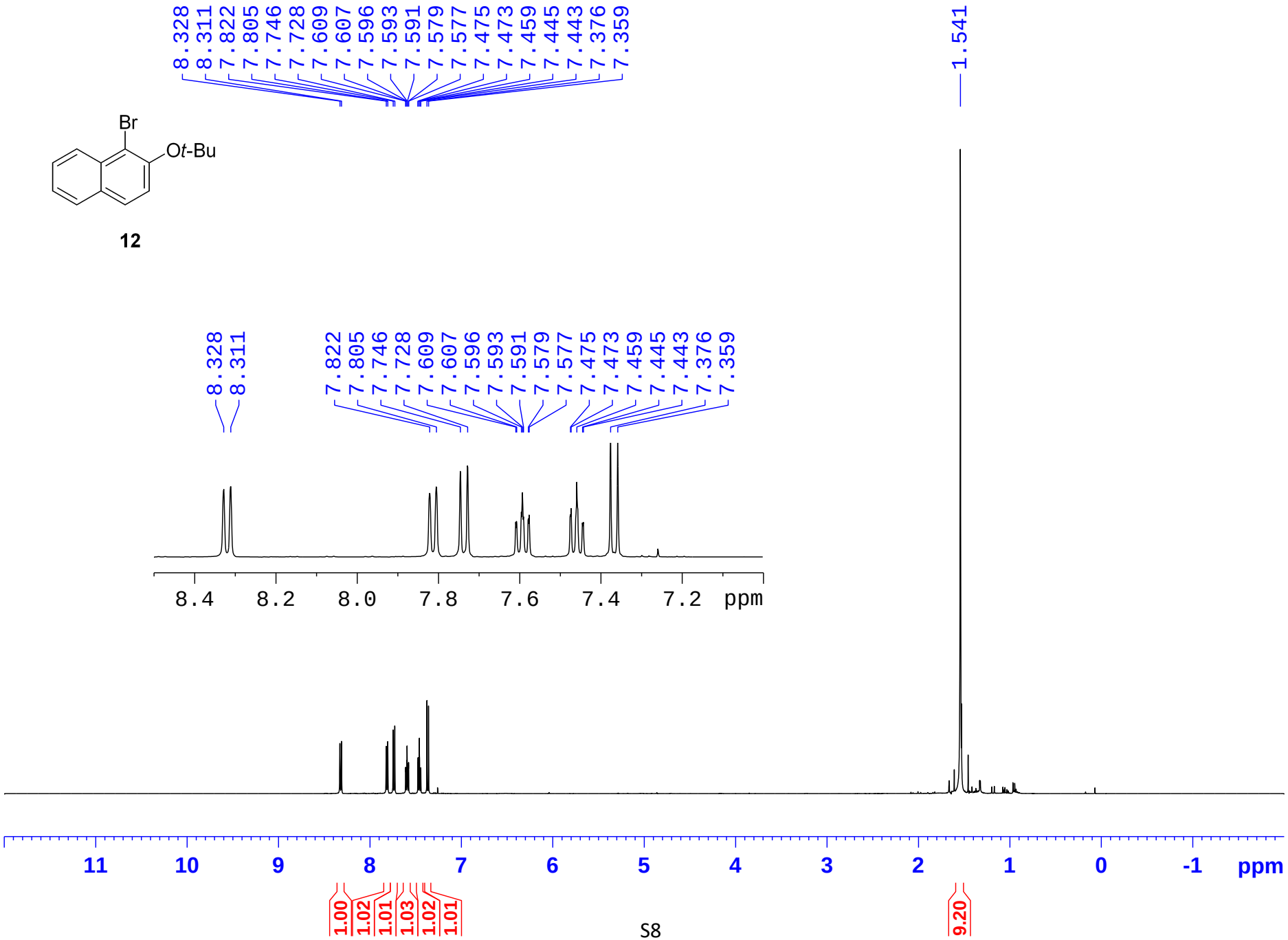
$^{13}C\{^{1}H\}$ NMR ($CDCl_3$, 125 MHz) for compound **11**

11

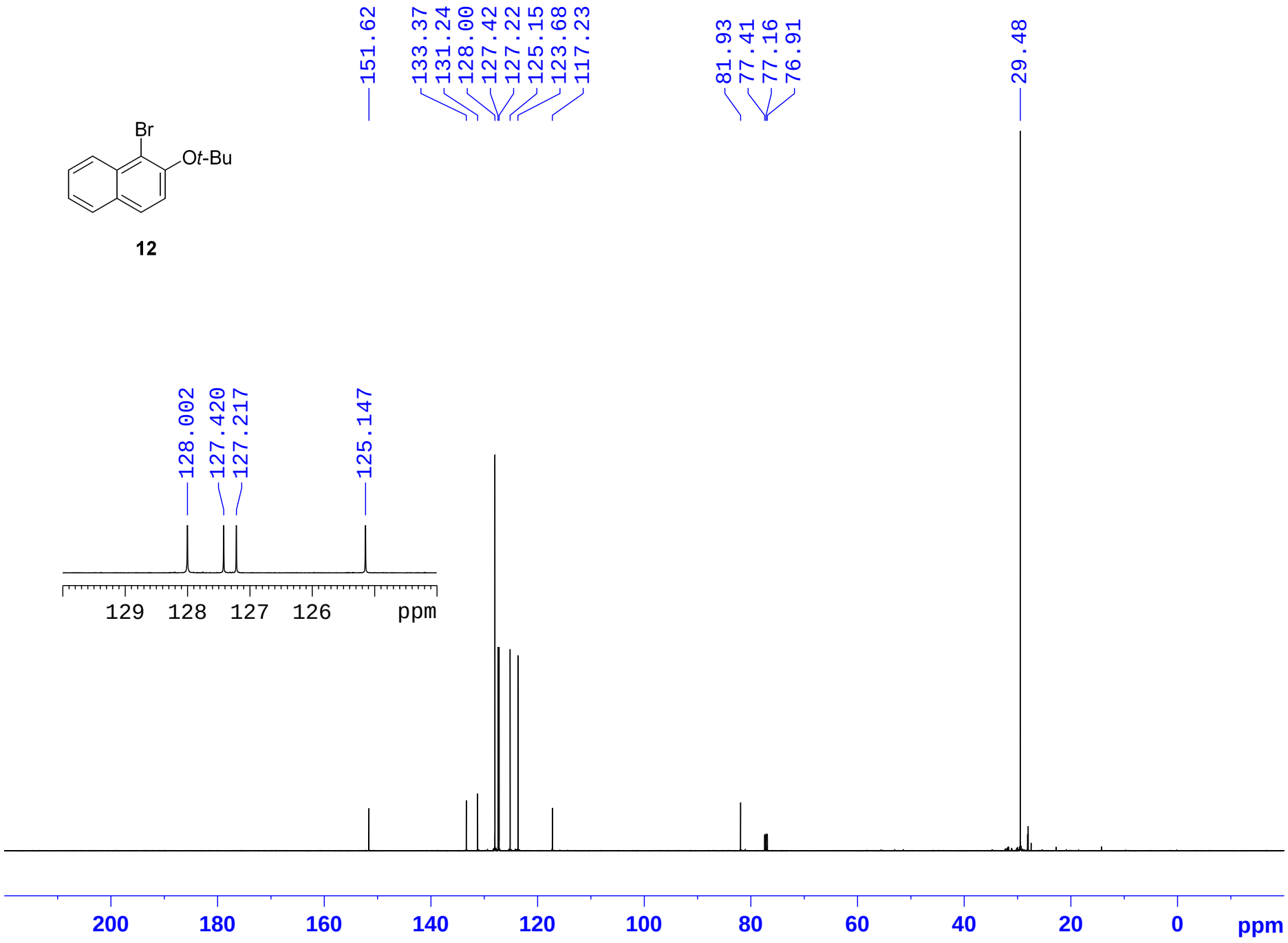


^{1}H NMR ($CDCl_3$, 500 MHz) for compound **12**

12

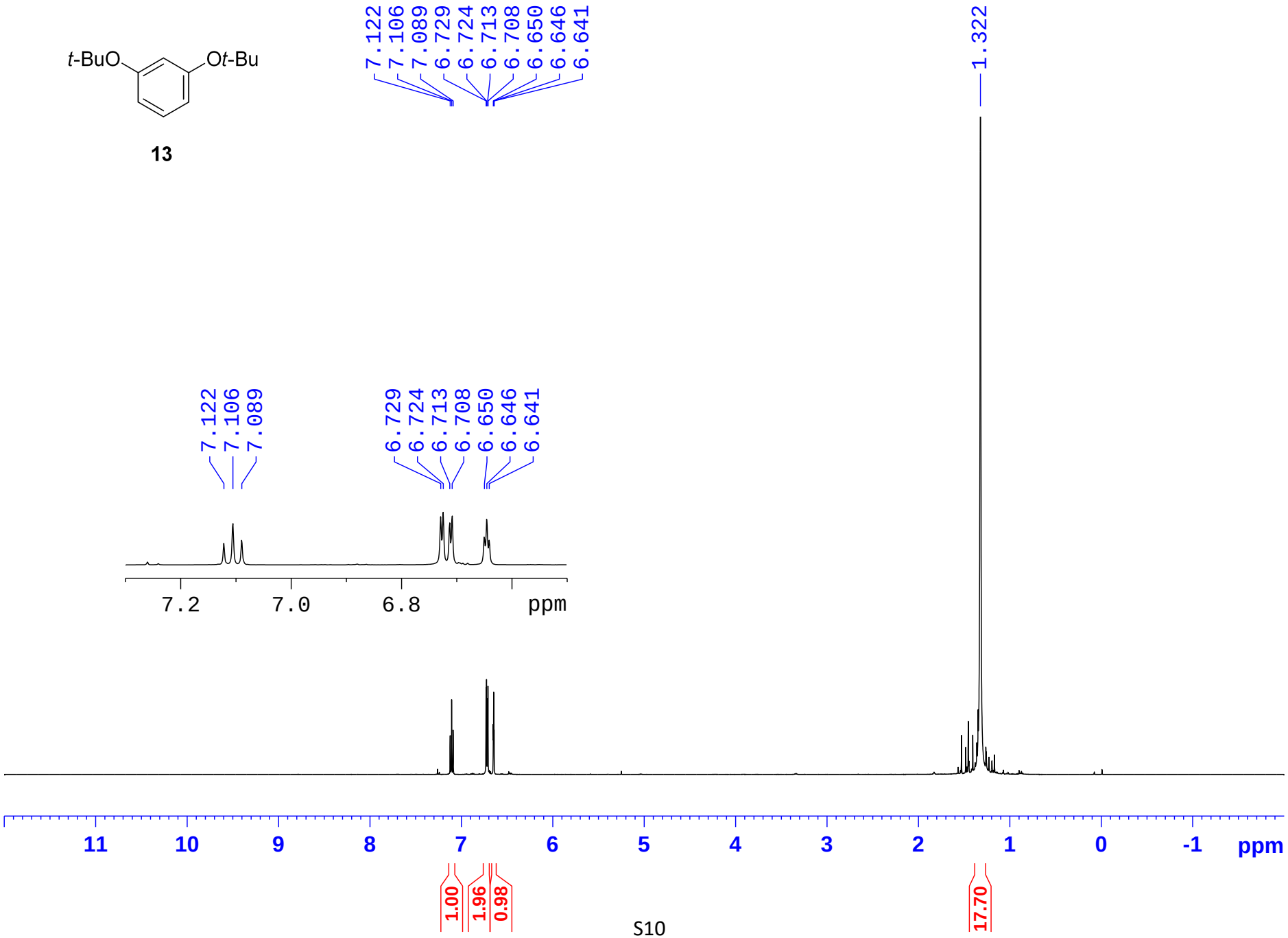


$^{13}C\{^{1}H\}$ NMR ($CDCl_3$, 125 MHz) for compound **12**



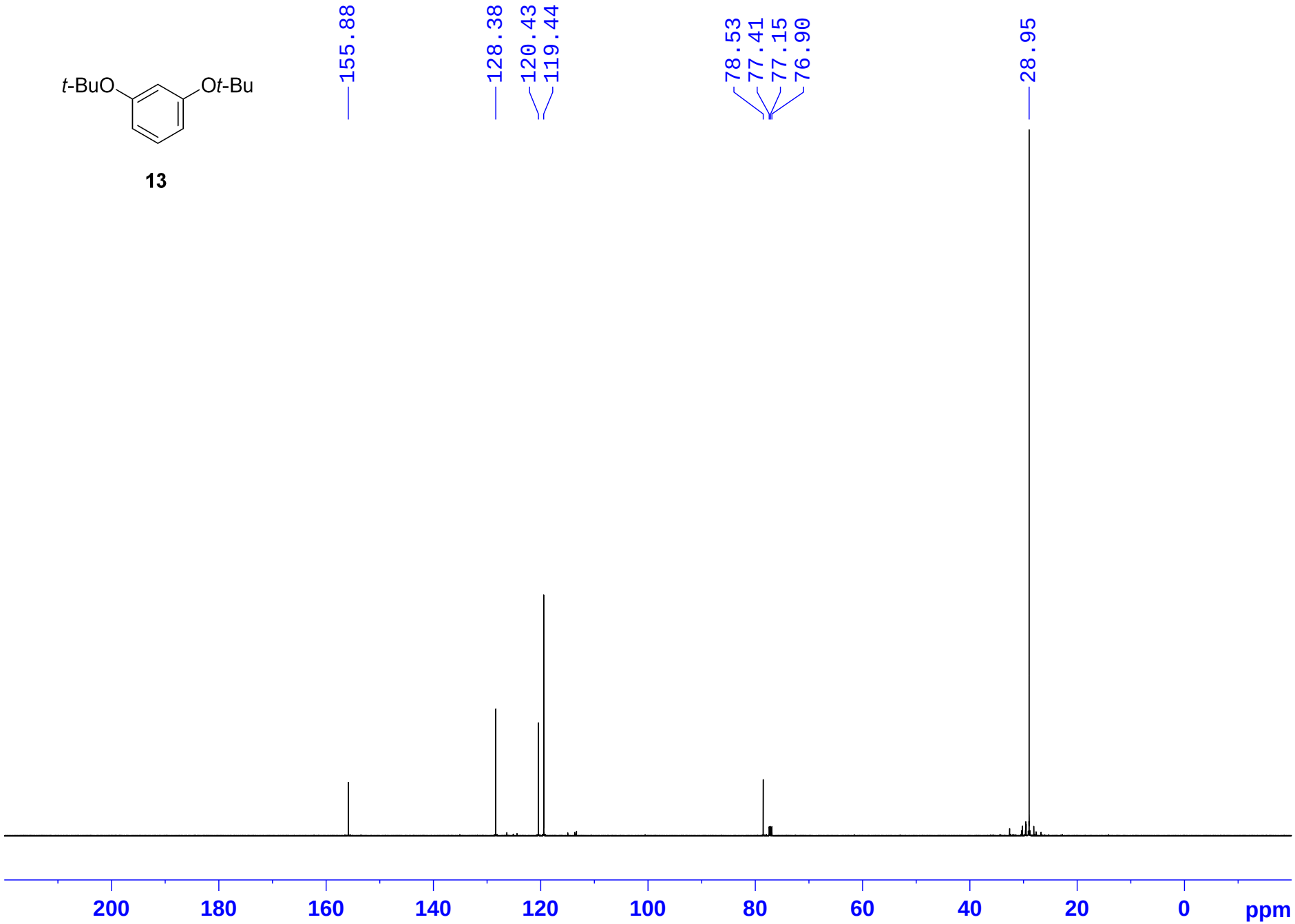
^{1}H NMR ($CDCl_3$, 500 MHz) for compound **13**

13



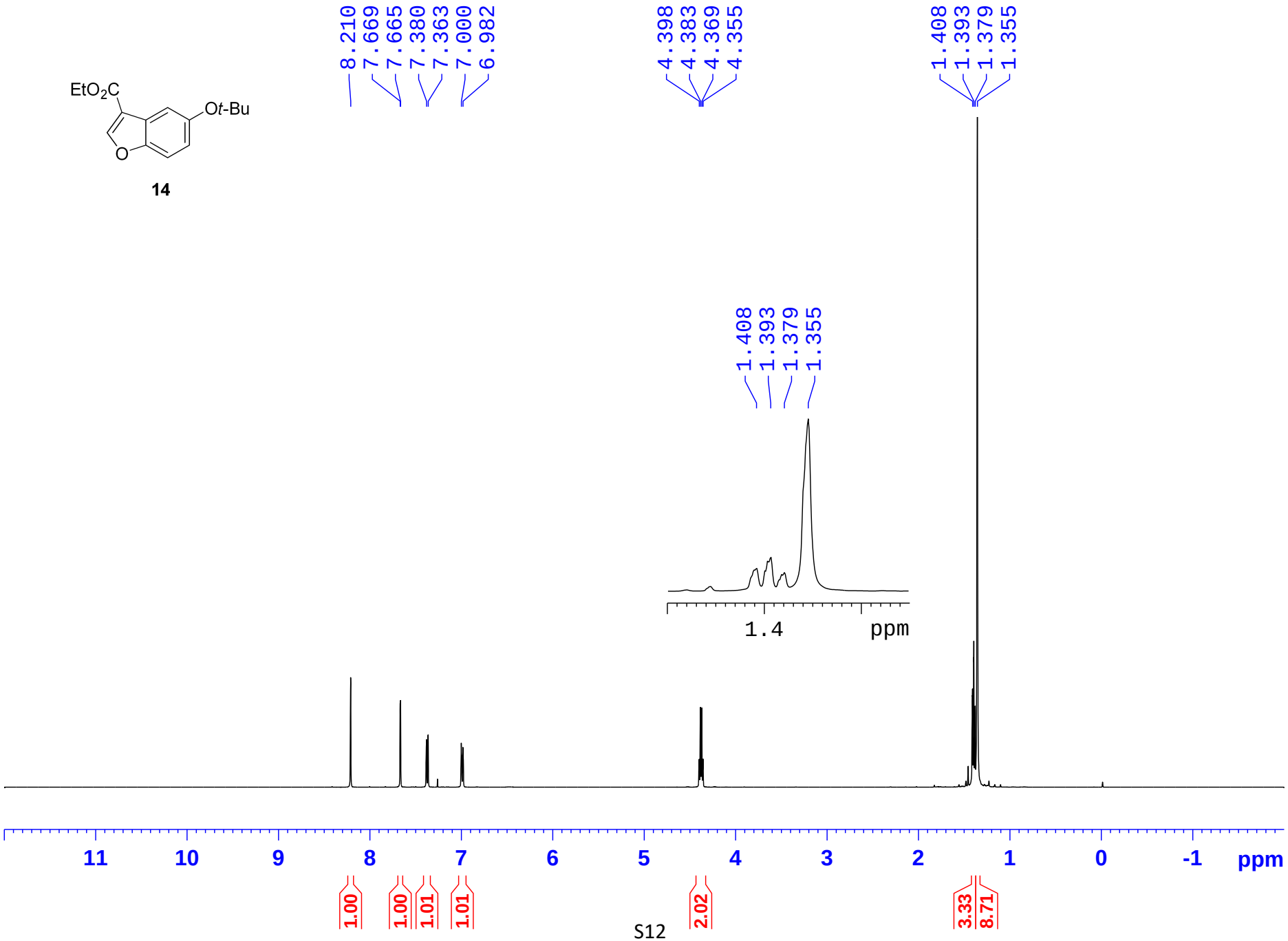
$^{13}C\{^{1}H\}$ NMR ($CDCl_3$, 125 MHz) for compound **13**

13

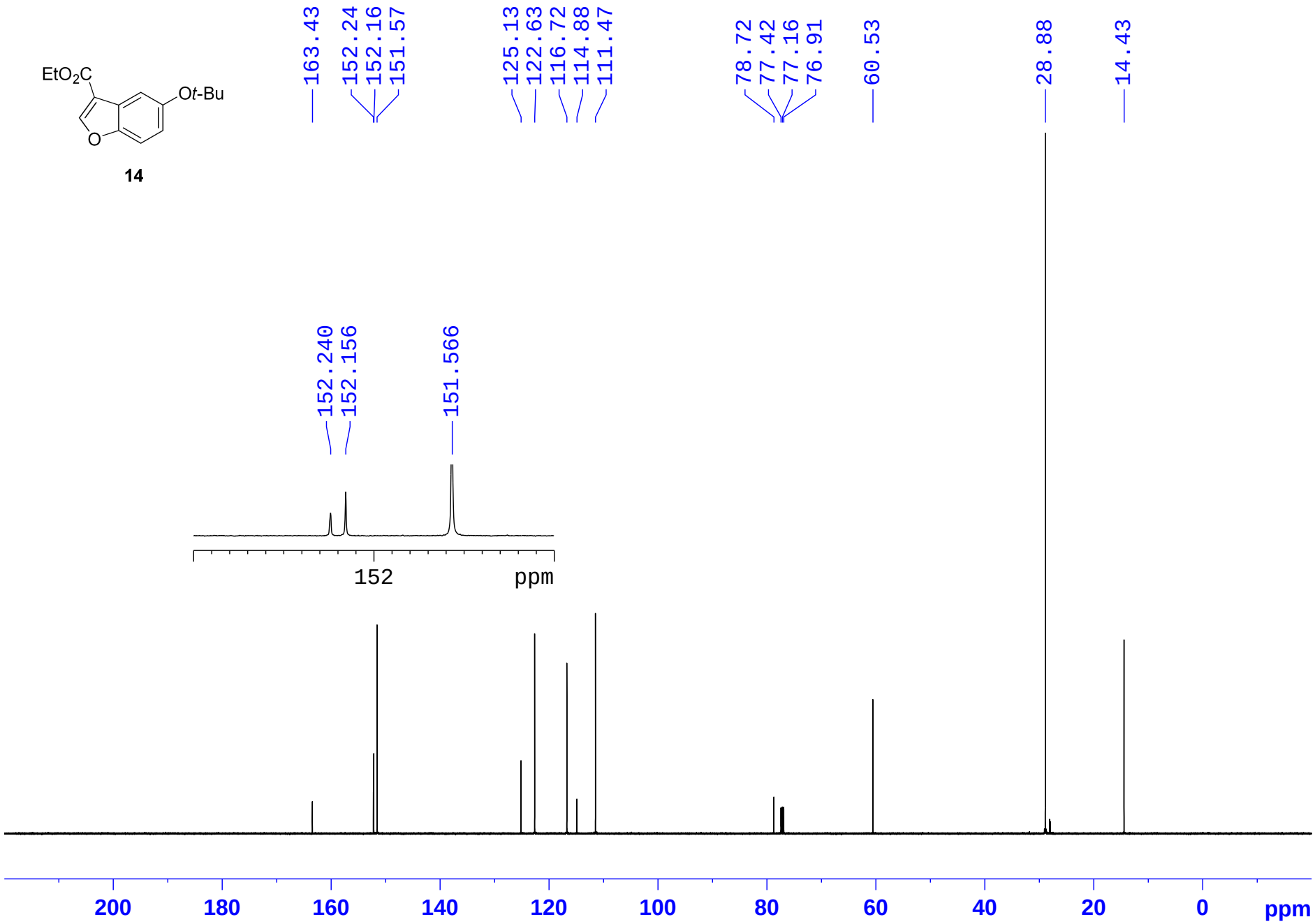


^{1}H NMR ($CDCl_3$, 500 MHz) for compound **14**

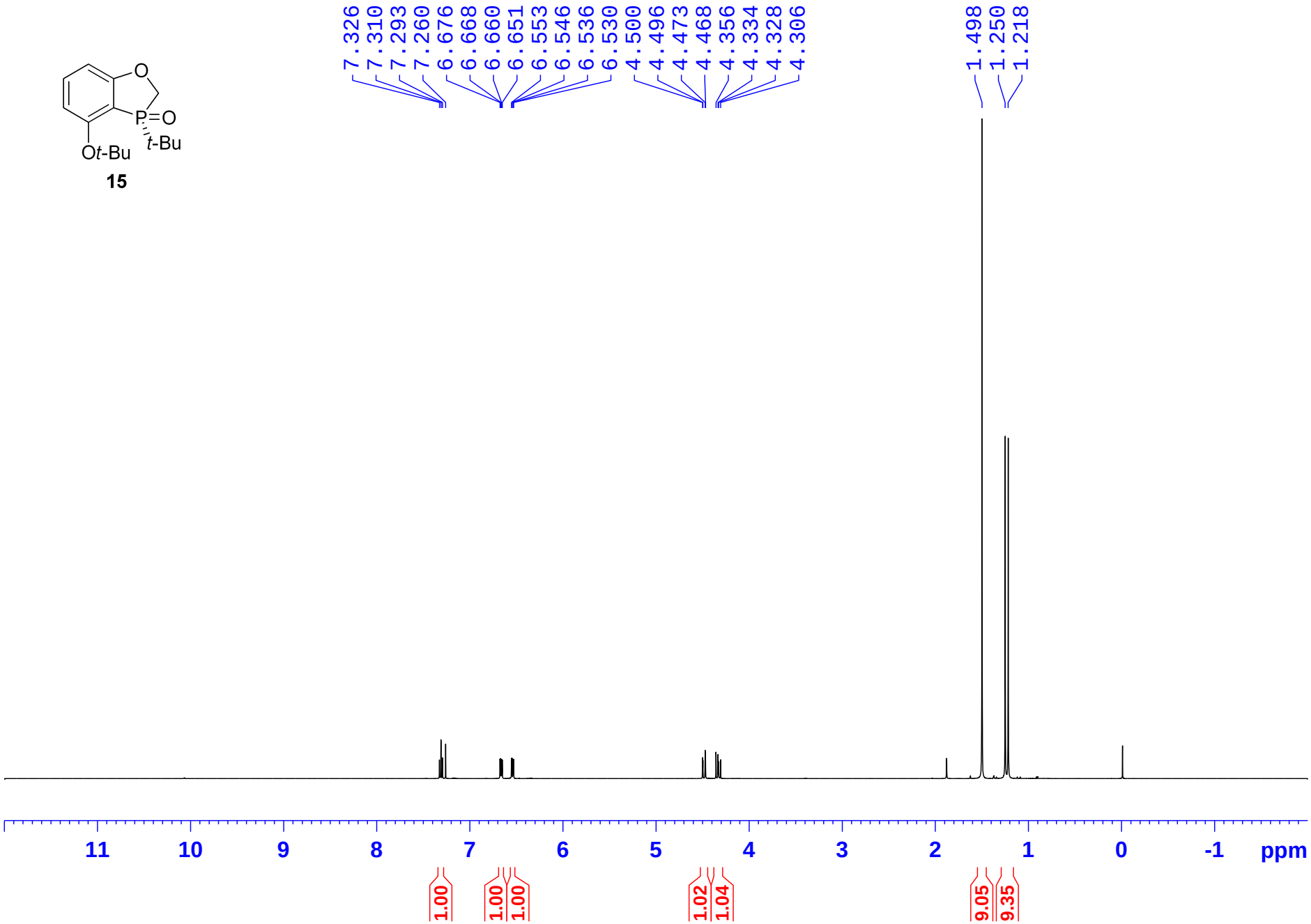
14



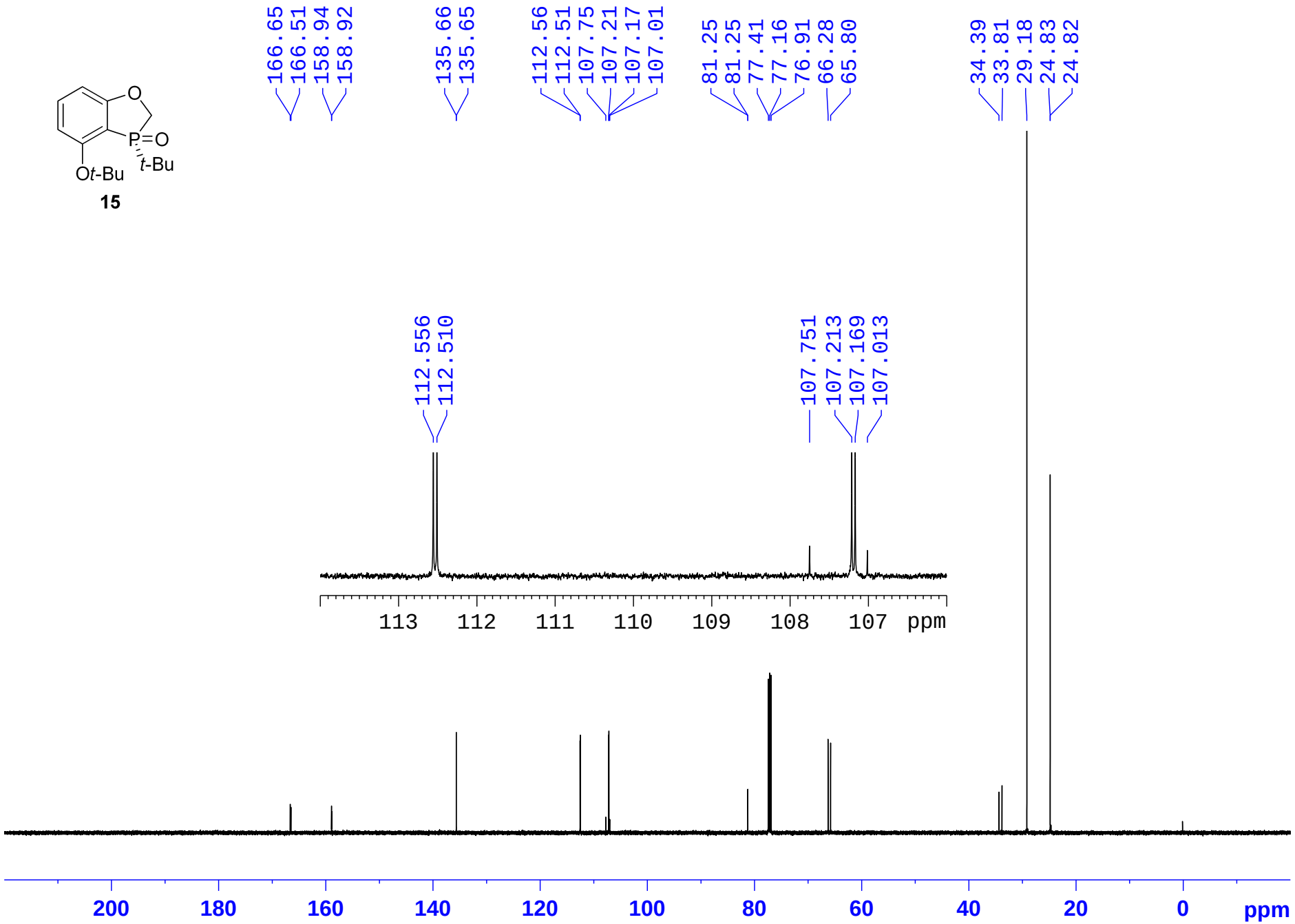
$^{13}C\{^{1}H\}$ NMR ($CDCl_3$, 125 MHz) for compound **14**



^{1}H NMR ($CDCl_3$, 500 MHz) for compound **15**

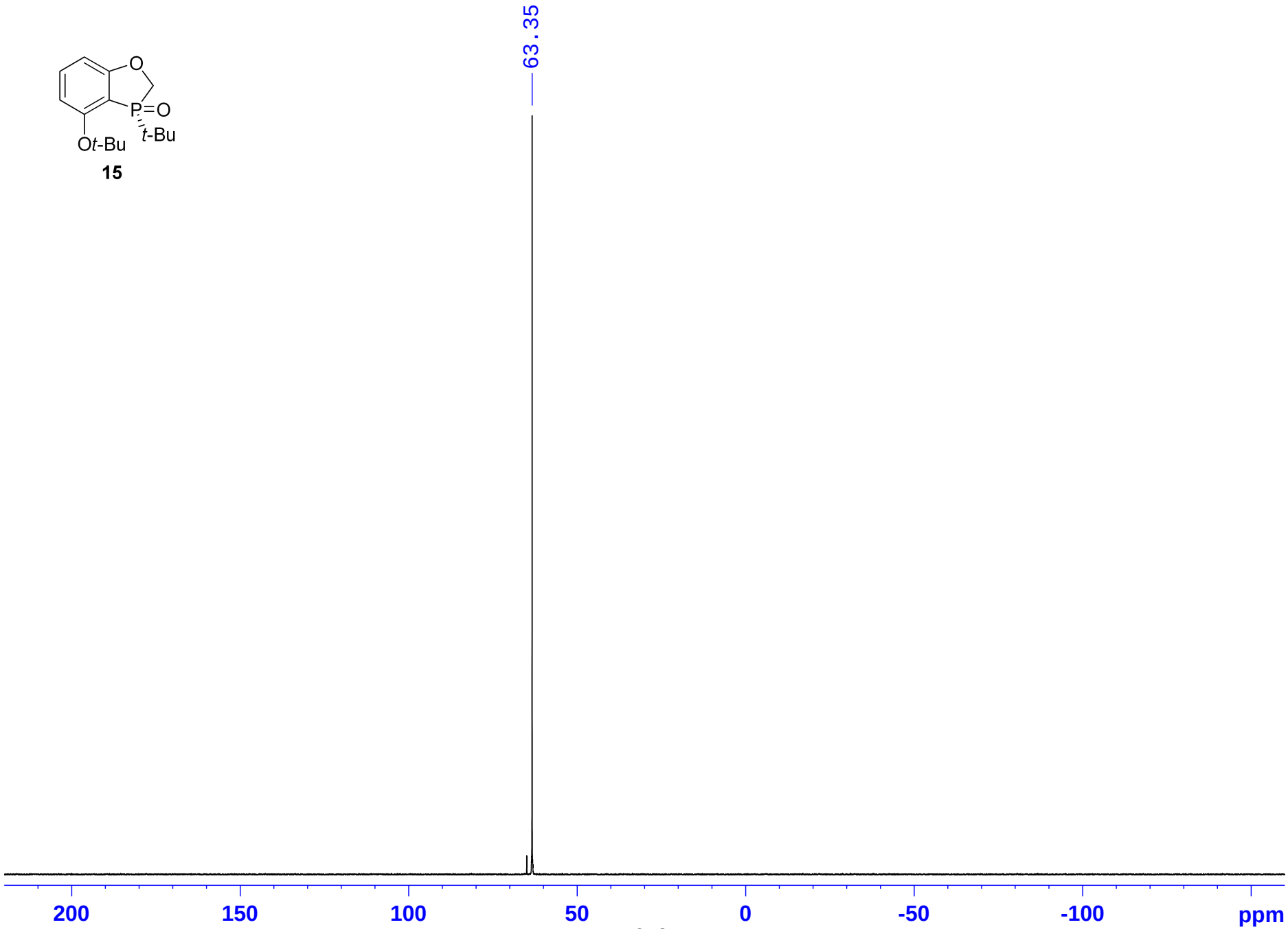


$^{13}C\{^{1}H\}$ NMR ($CDCl_3$, 125 MHz) for compound **15**

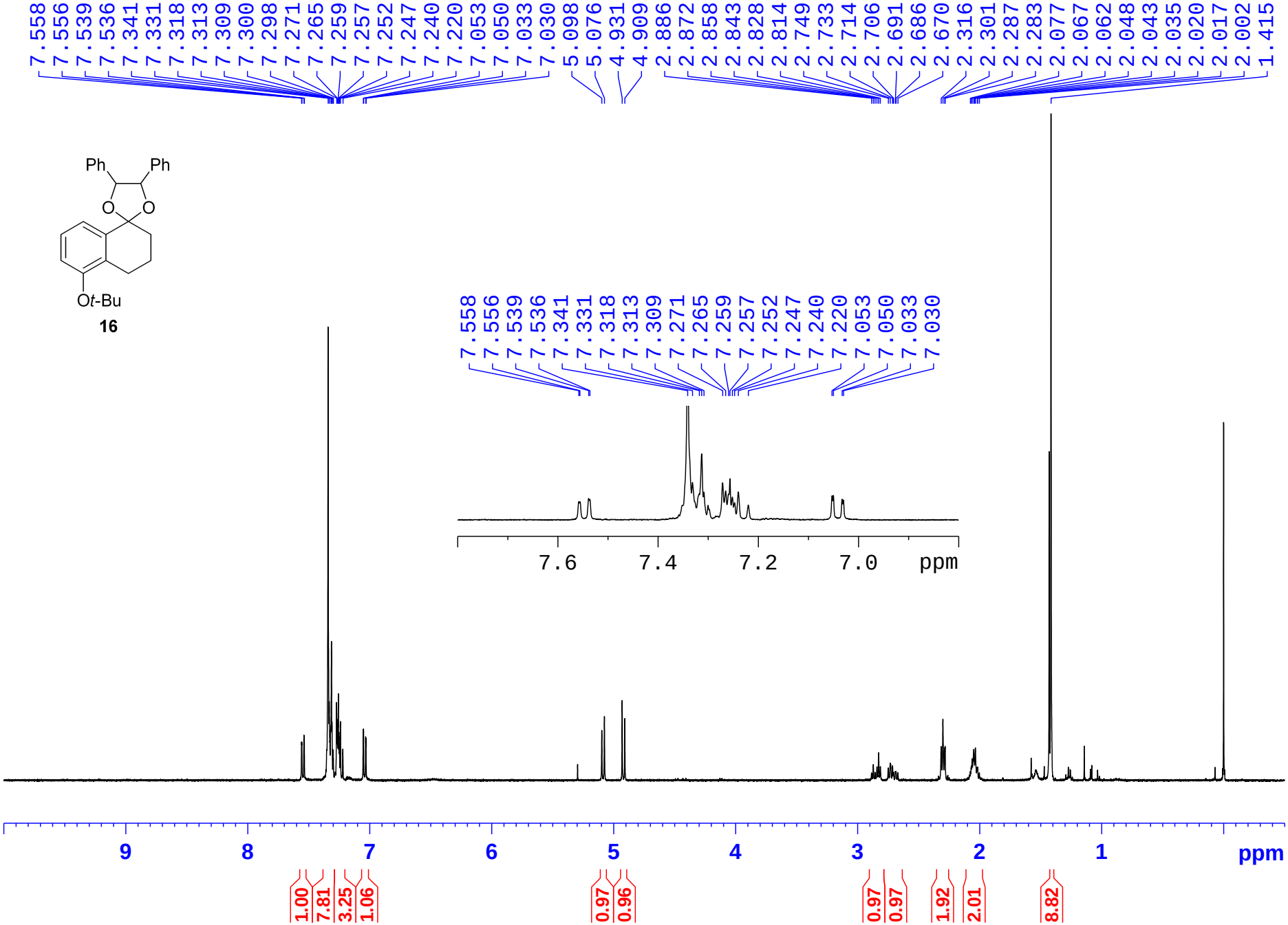


^{31}P NMR ($CDCl_3$, 202 MHz) for compound **15**

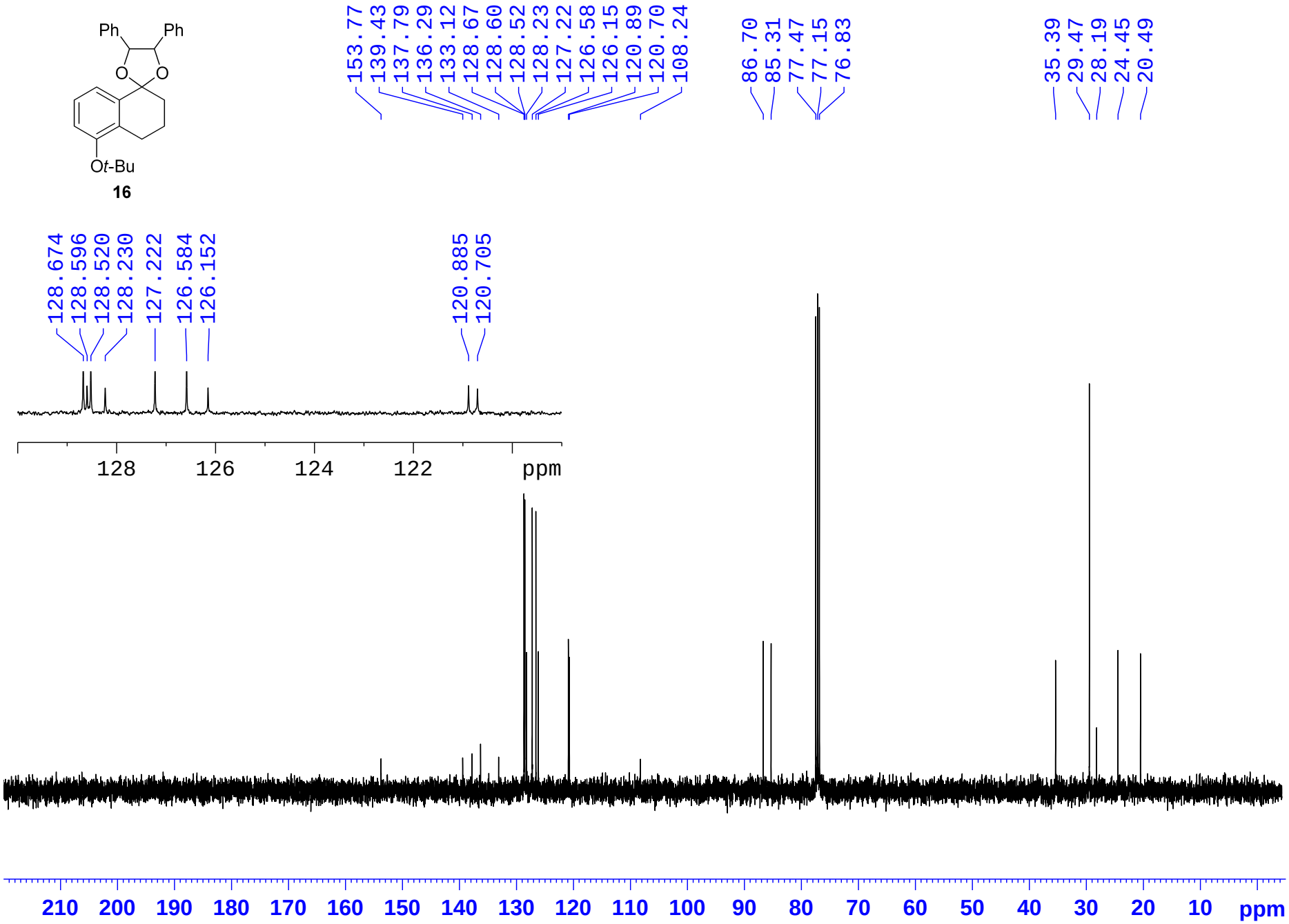
15



^{1}H NMR ($CDCl_3$, 400 MHz) for compound **16**

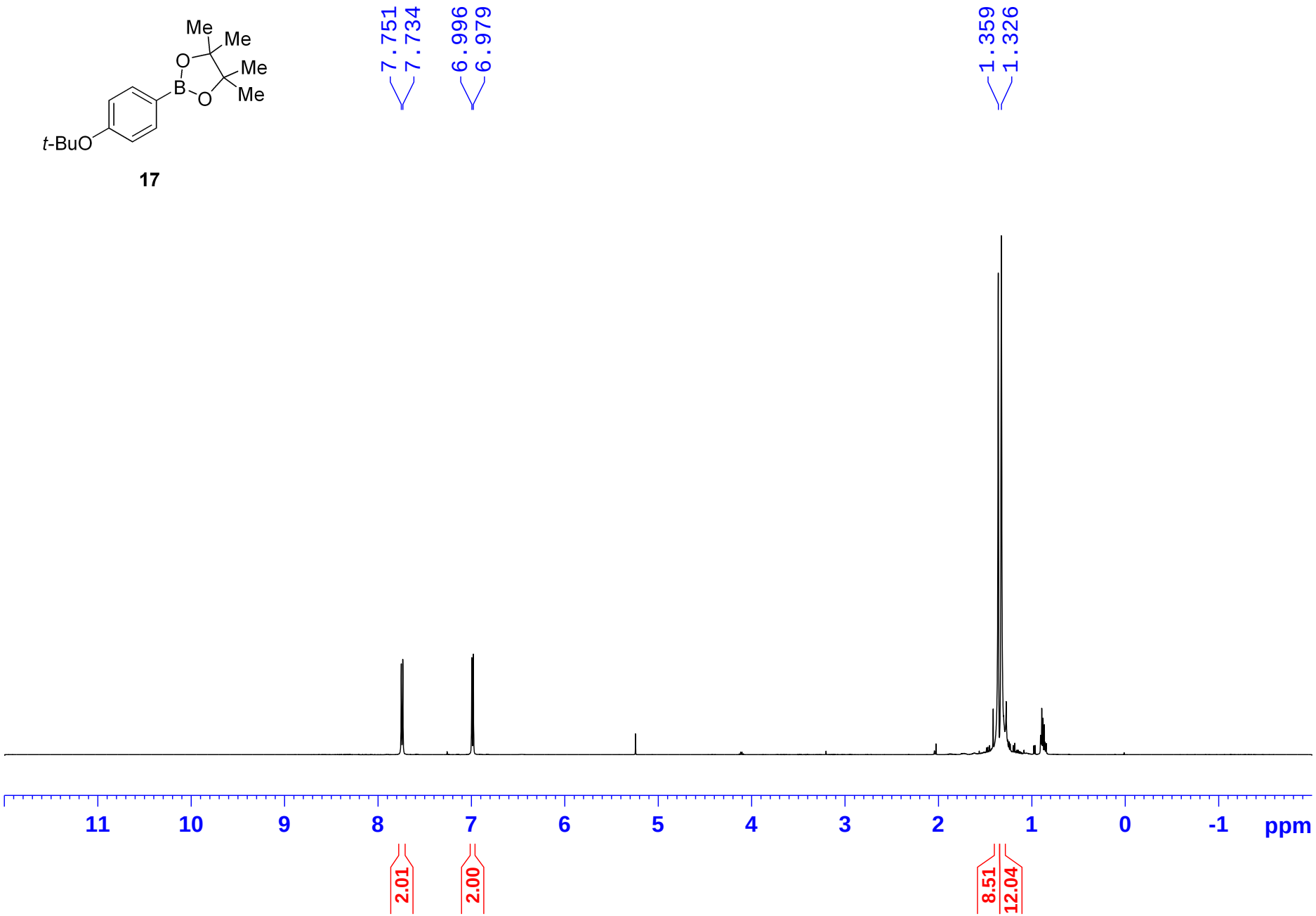


$^{13}C\{^{1}H\}$ NMR ($CDCl_3$, 100 MHz) for compound **16**



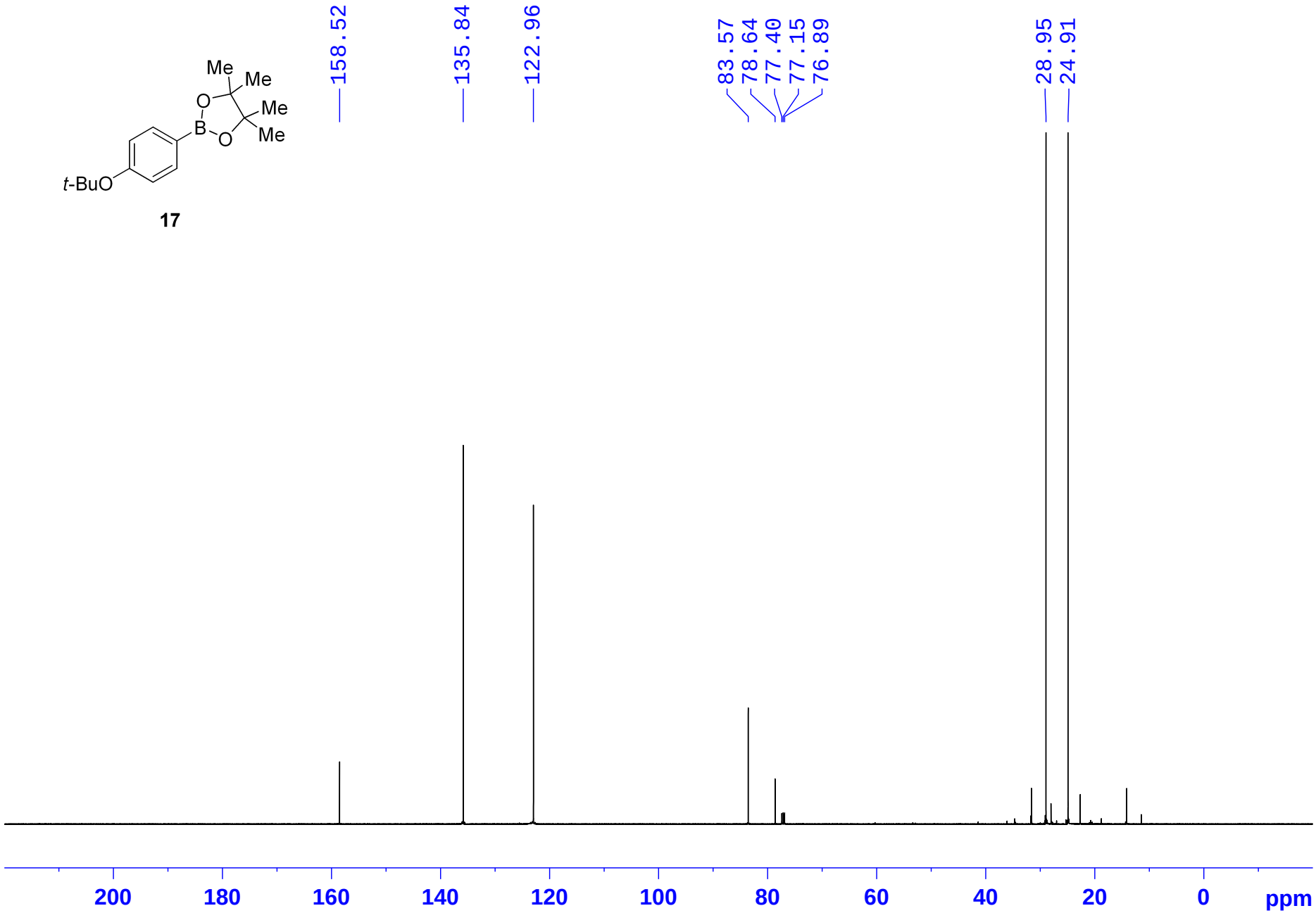
^{1}H NMR ($CDCl_3$, 500 MHz) for compound **17**

17

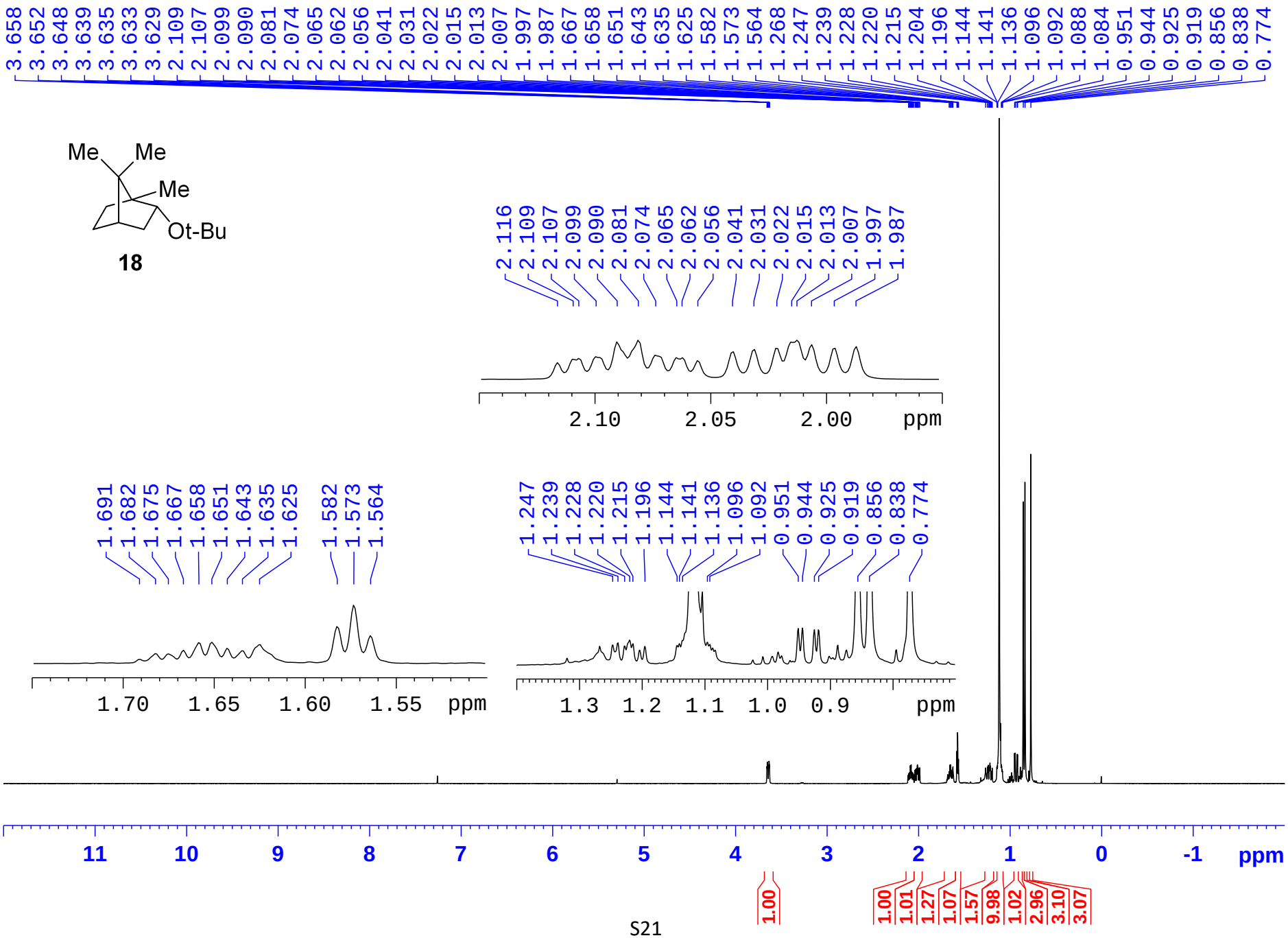


$^{13}C\{^{1}H\}$ NMR ($CDCl_3$, 125 MHz) for compound **17**

17

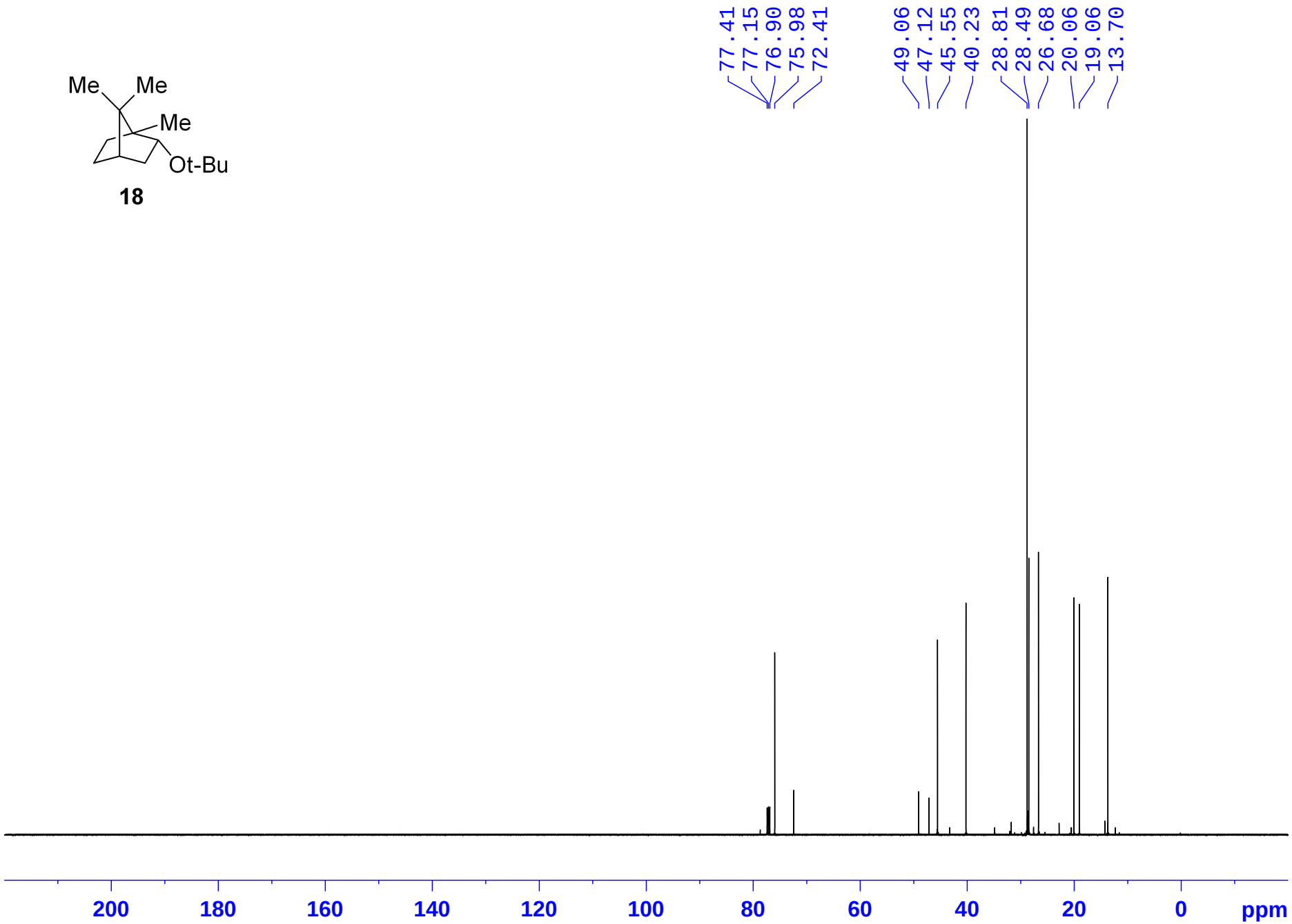


^{1}H NMR ($CDCl_3$, 500 MHz) for compound **18**

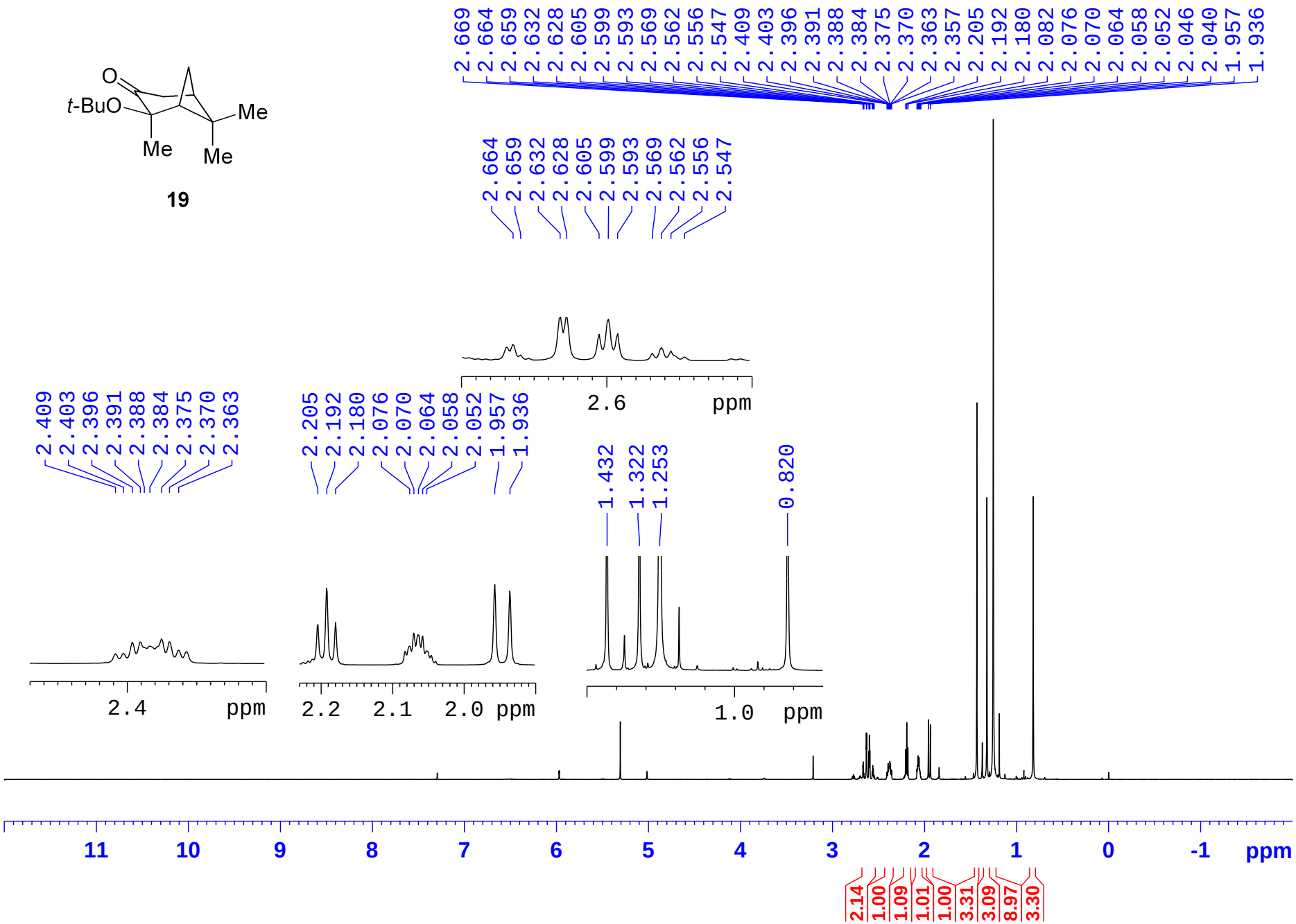


$^{13}C\{^{1}H\}$ NMR ($CDCl_3$, 125 MHz) for compound **18**

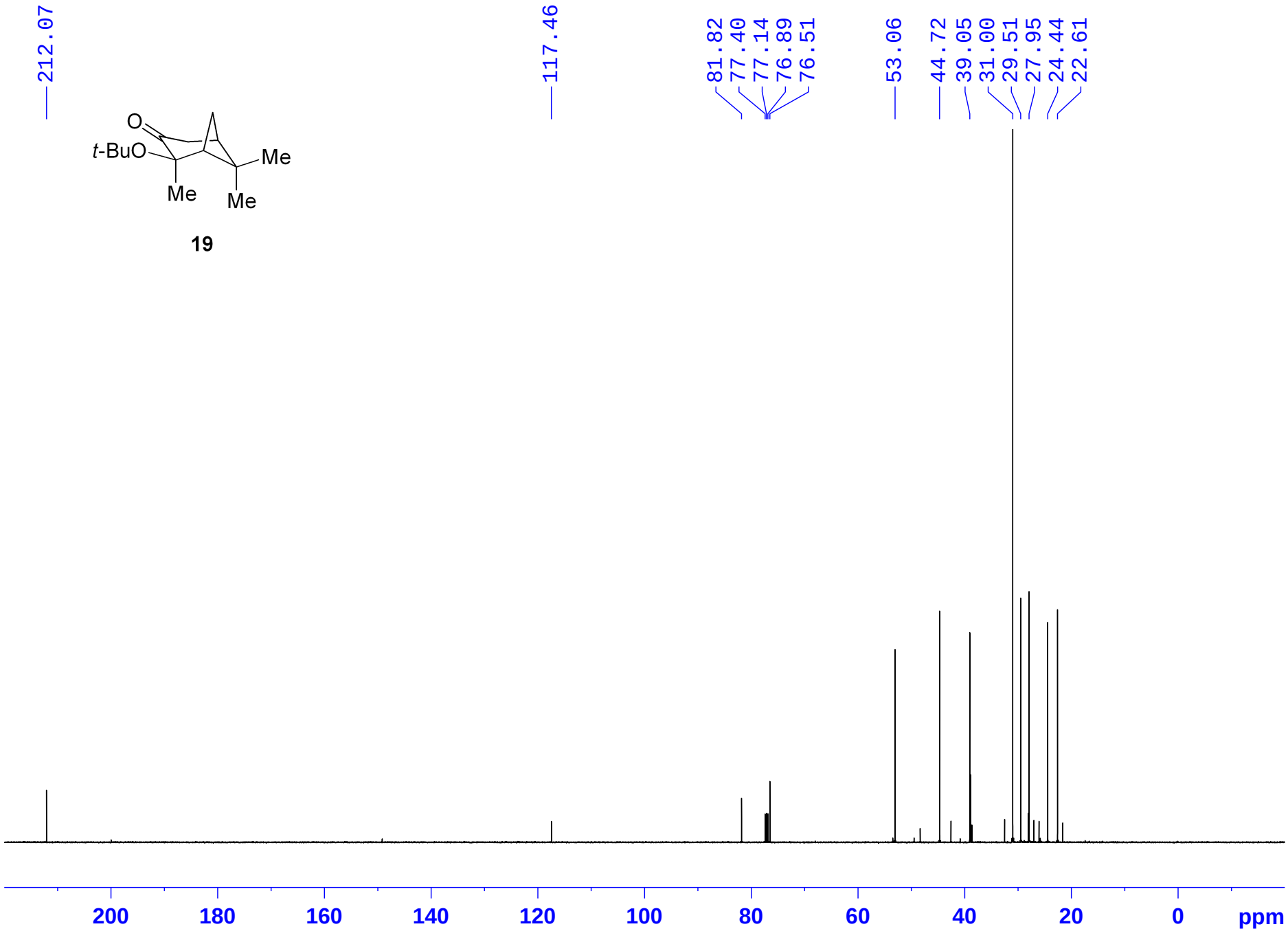
18



^{1}H NMR ($CDCl_3$, 500 MHz) for compound **19**

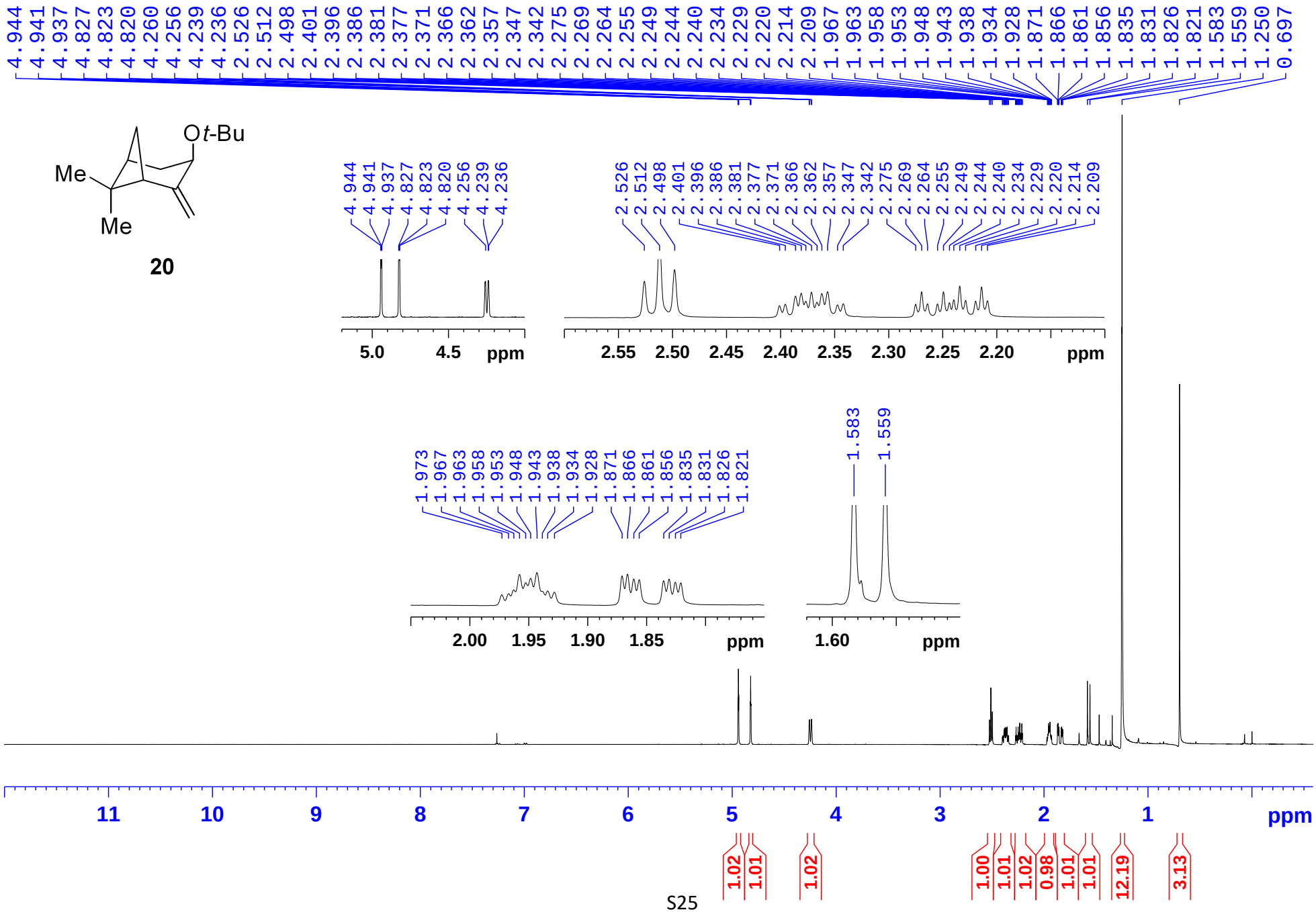


$^{13}C\{^{1}H\}$ NMR ($CDCl_3$, 125 MHz) for compound **19**



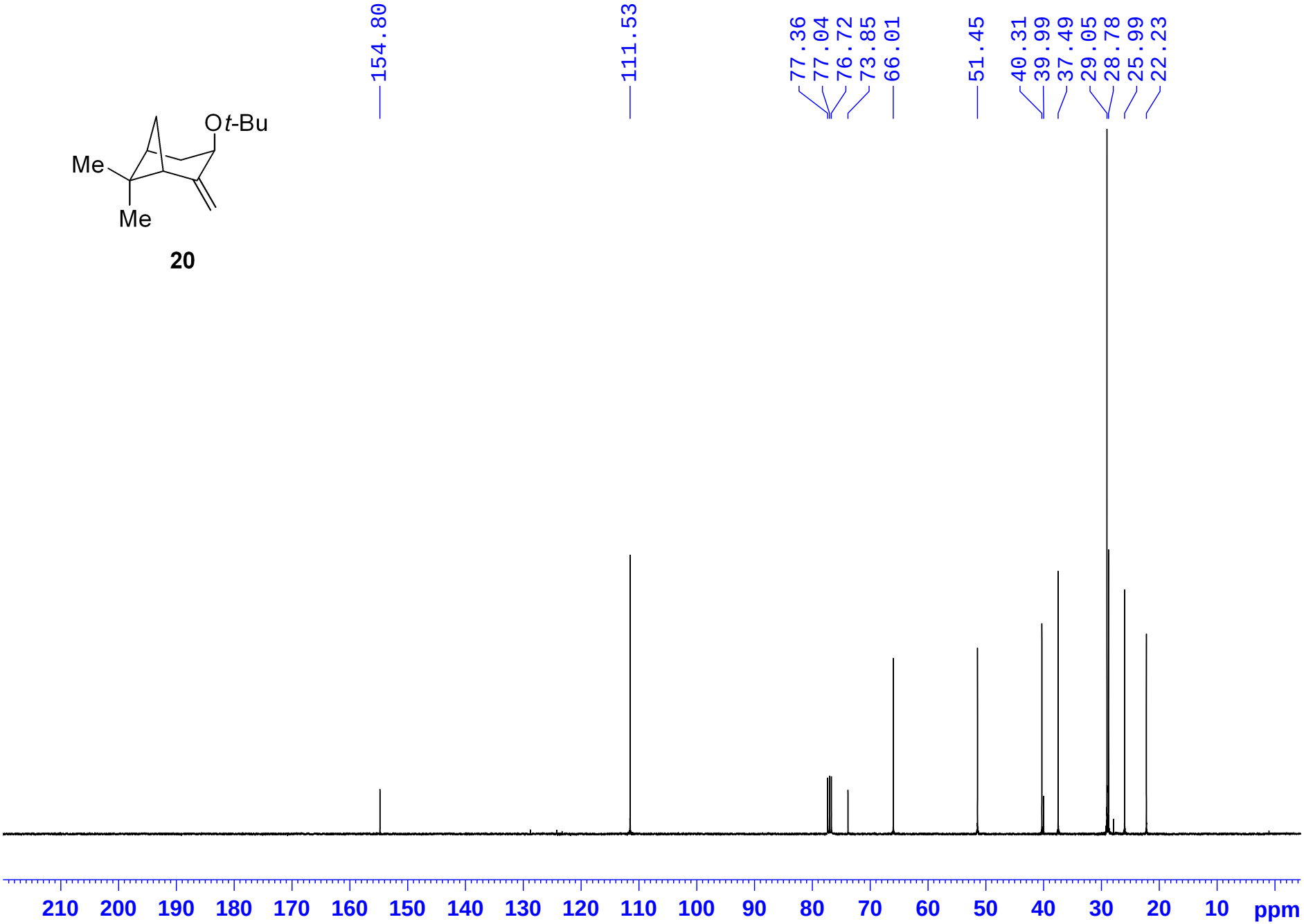
19

^{1}H NMR ($CDCl_3$, 400 MHz) for compound **20**



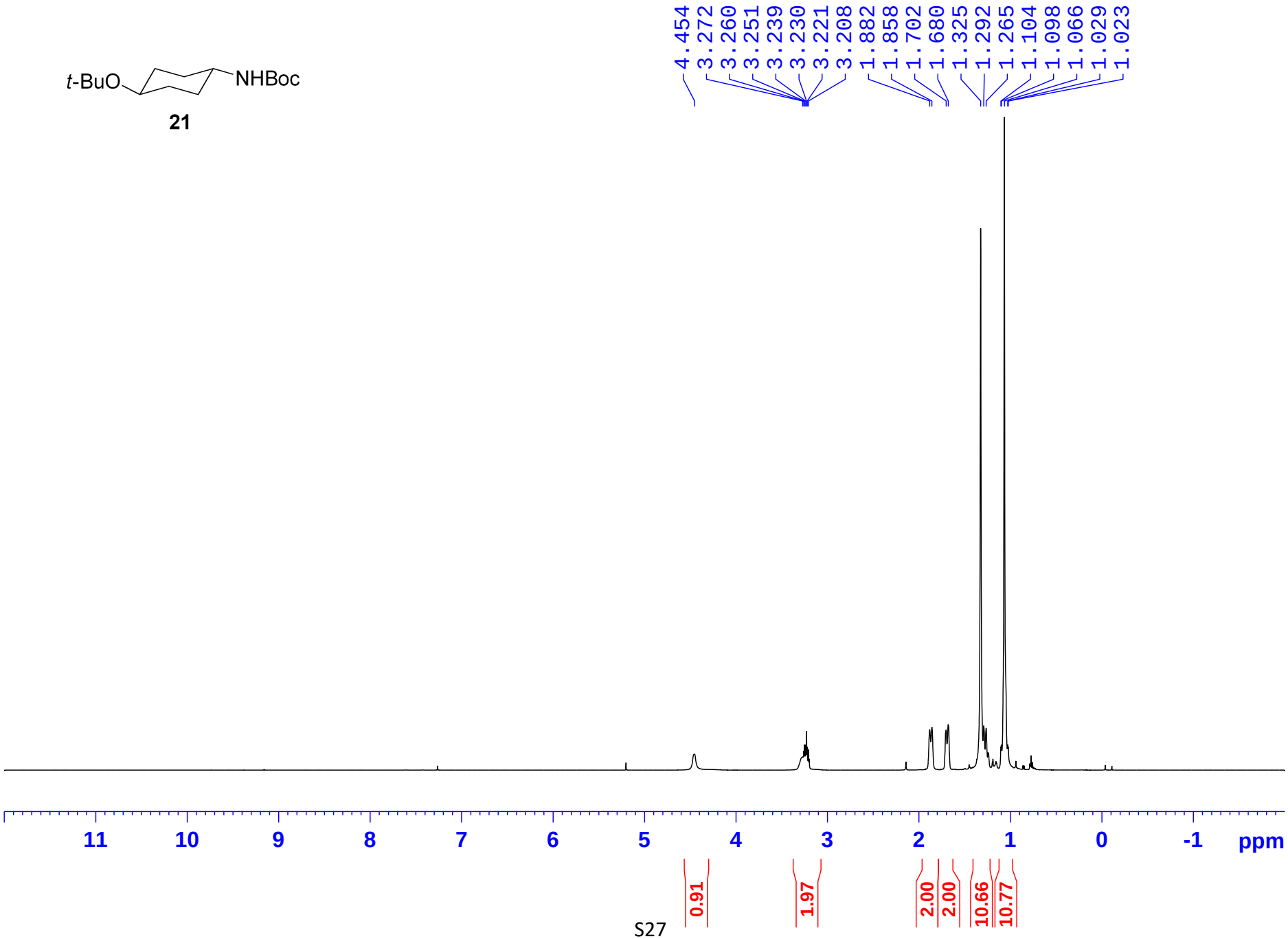
$^{13}C\{^{1}H\}$ NMR ($CDCl_3$, 100 MHz) for compound **20**

20

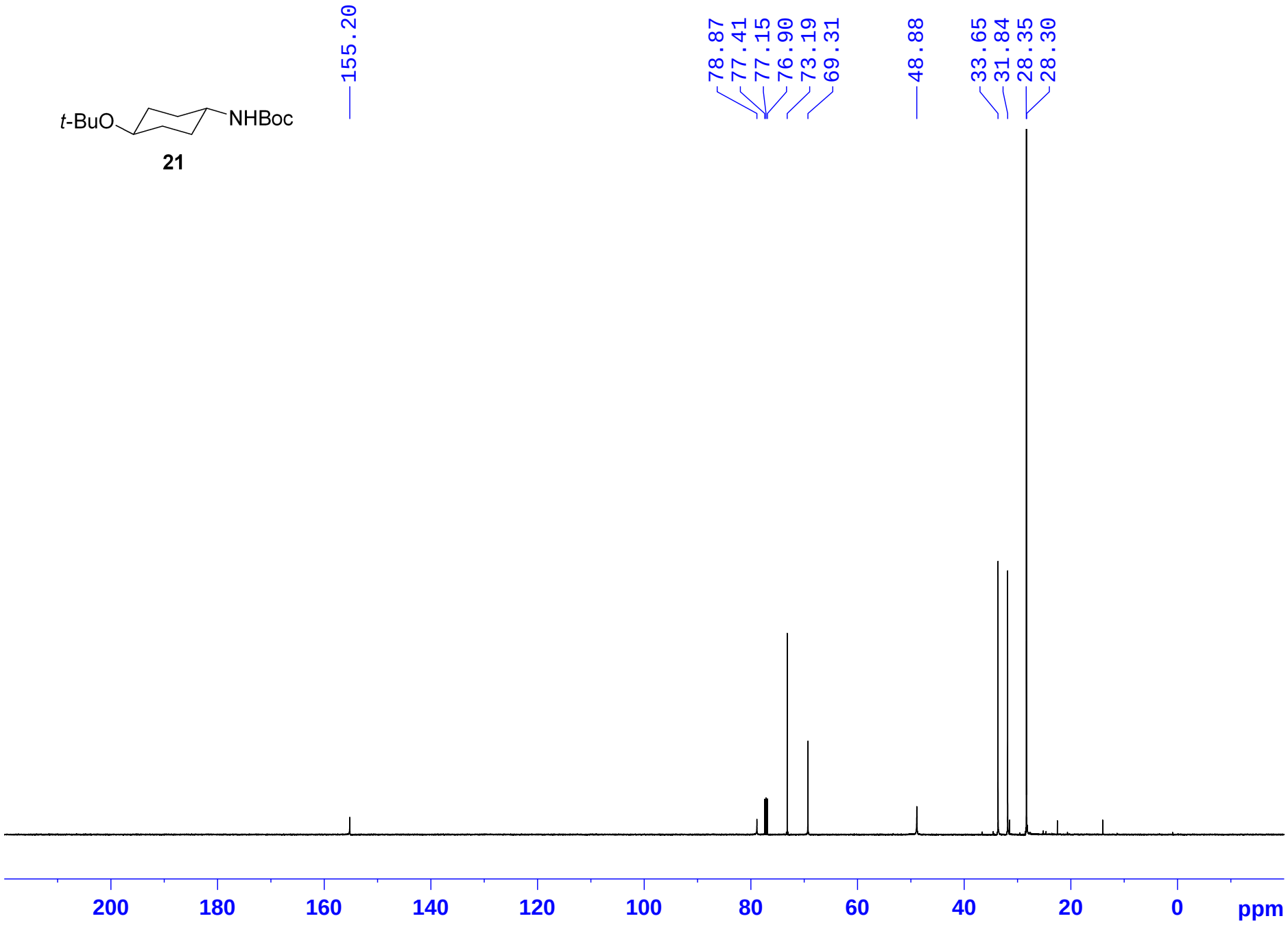


^{1}H NMR ($CDCl_3$, 500 MHz) for compound **21**

21

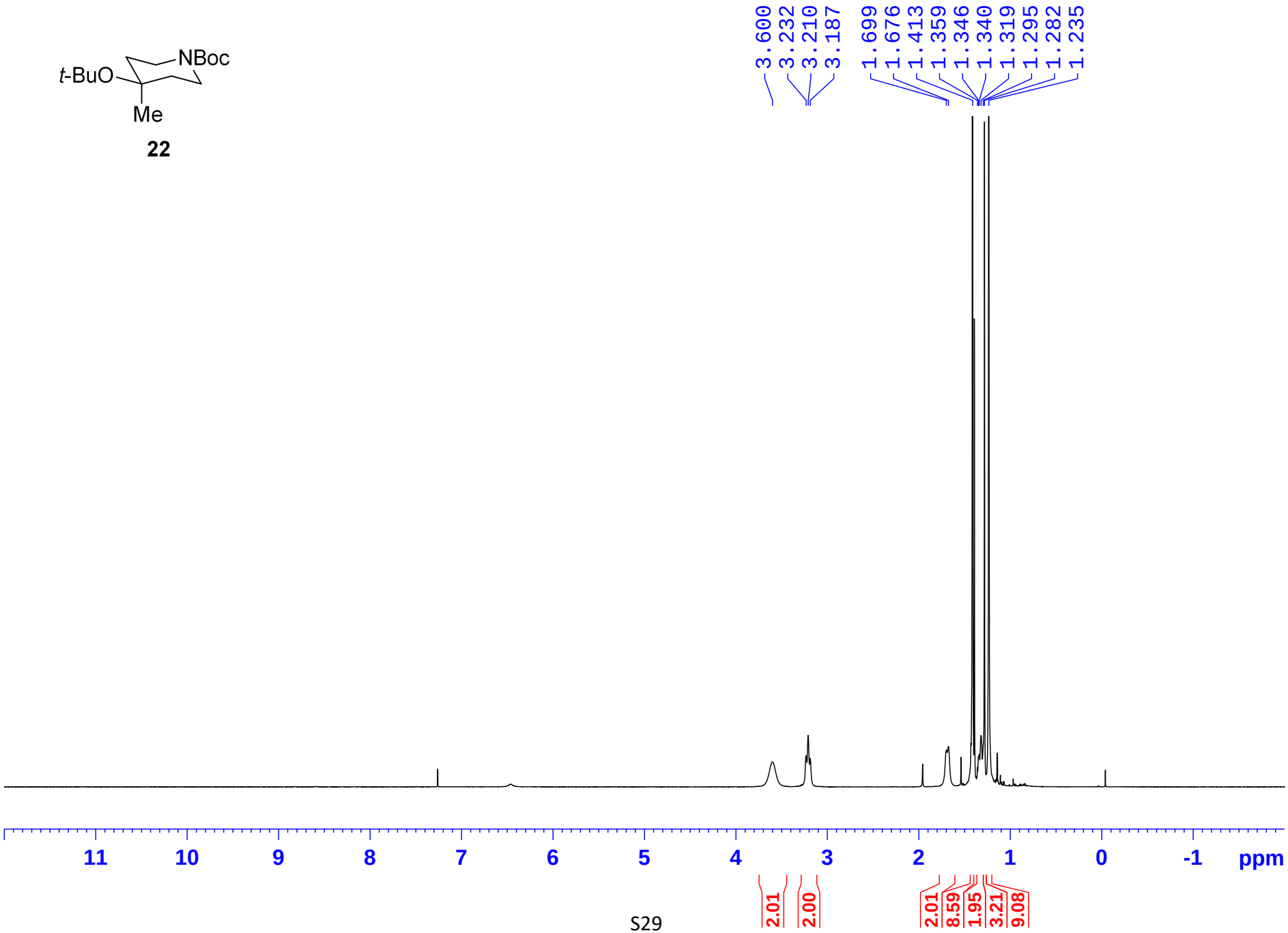


$^{13}C\{^{1}H\}$ NMR ($CDCl_3$, 125 MHz) for compound **21**



^{1}H NMR ($CDCl_3$, 500 MHz) for compound **22**

22



$^{13}C\{^{1}H\}$ NMR ($CDCl_3$, 125 MHz) for compound **22**

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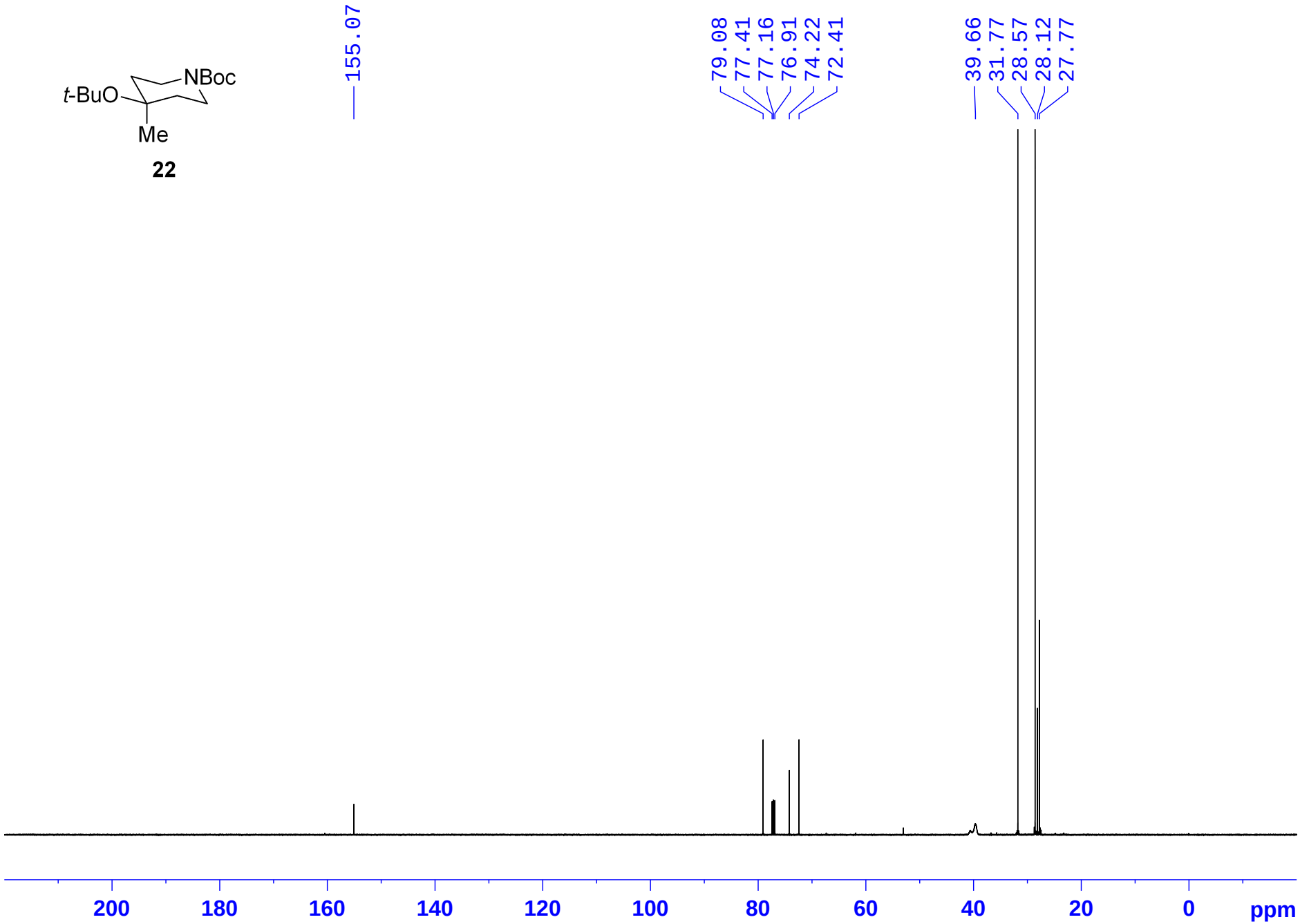

^{1}H NMR ($CDCl_3$, 400 MHz) for compound **23**

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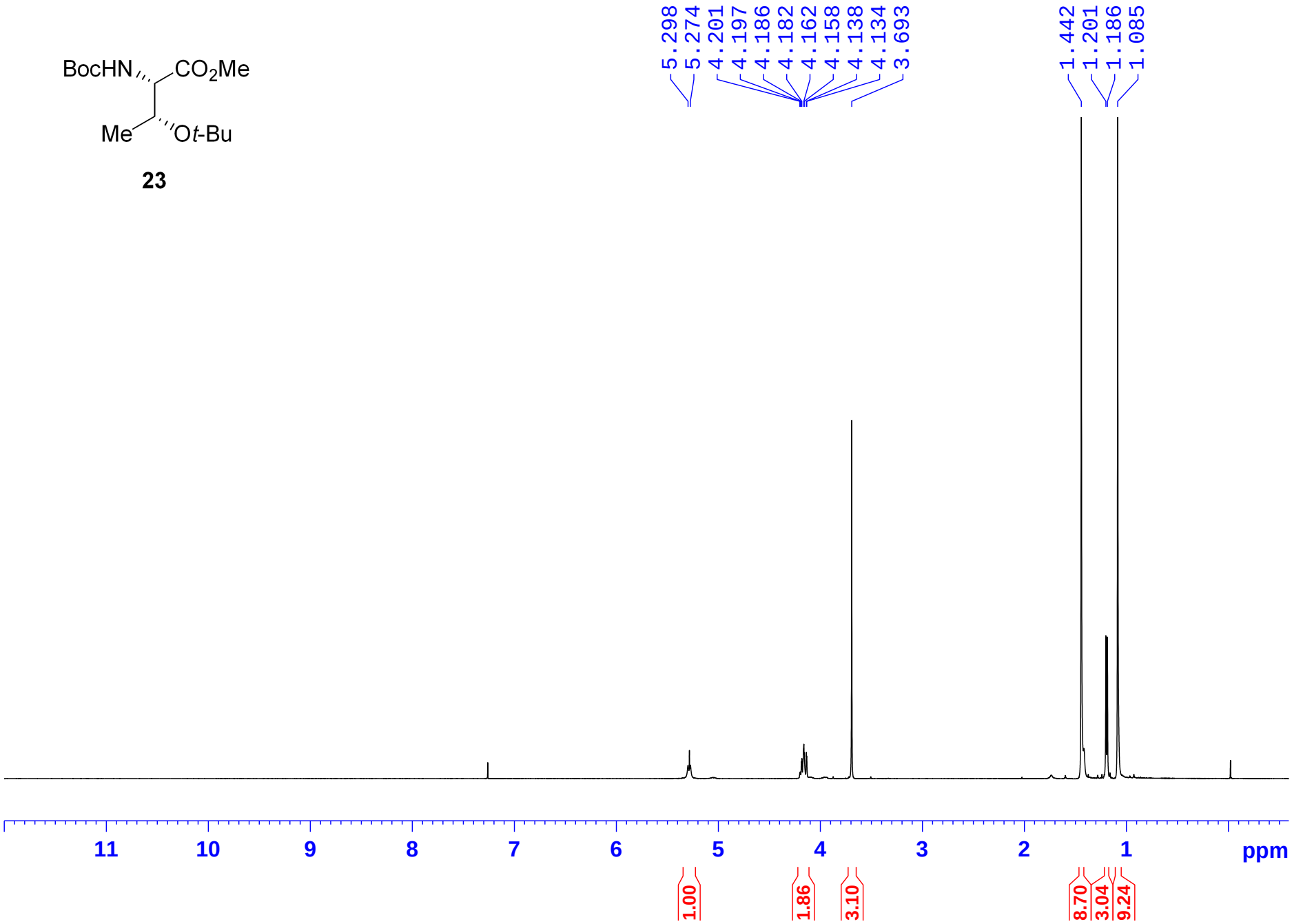
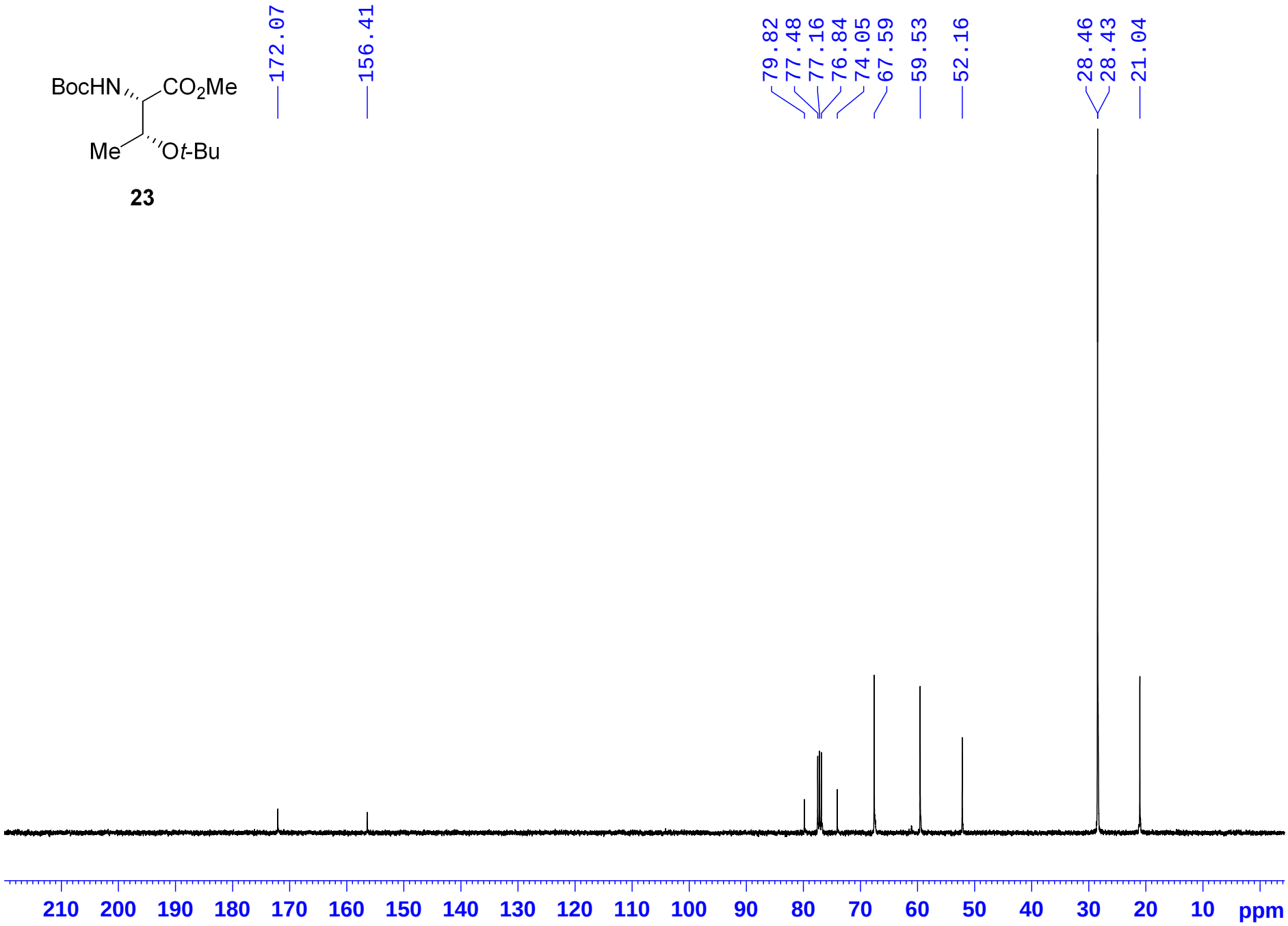


$^{13}C\{^{1}H\}$ NMR ($CDCl_3$, 100 MHz) for compound **23**



^{1}H NMR ($CDCl_3$, 400 MHz) for compound **24**

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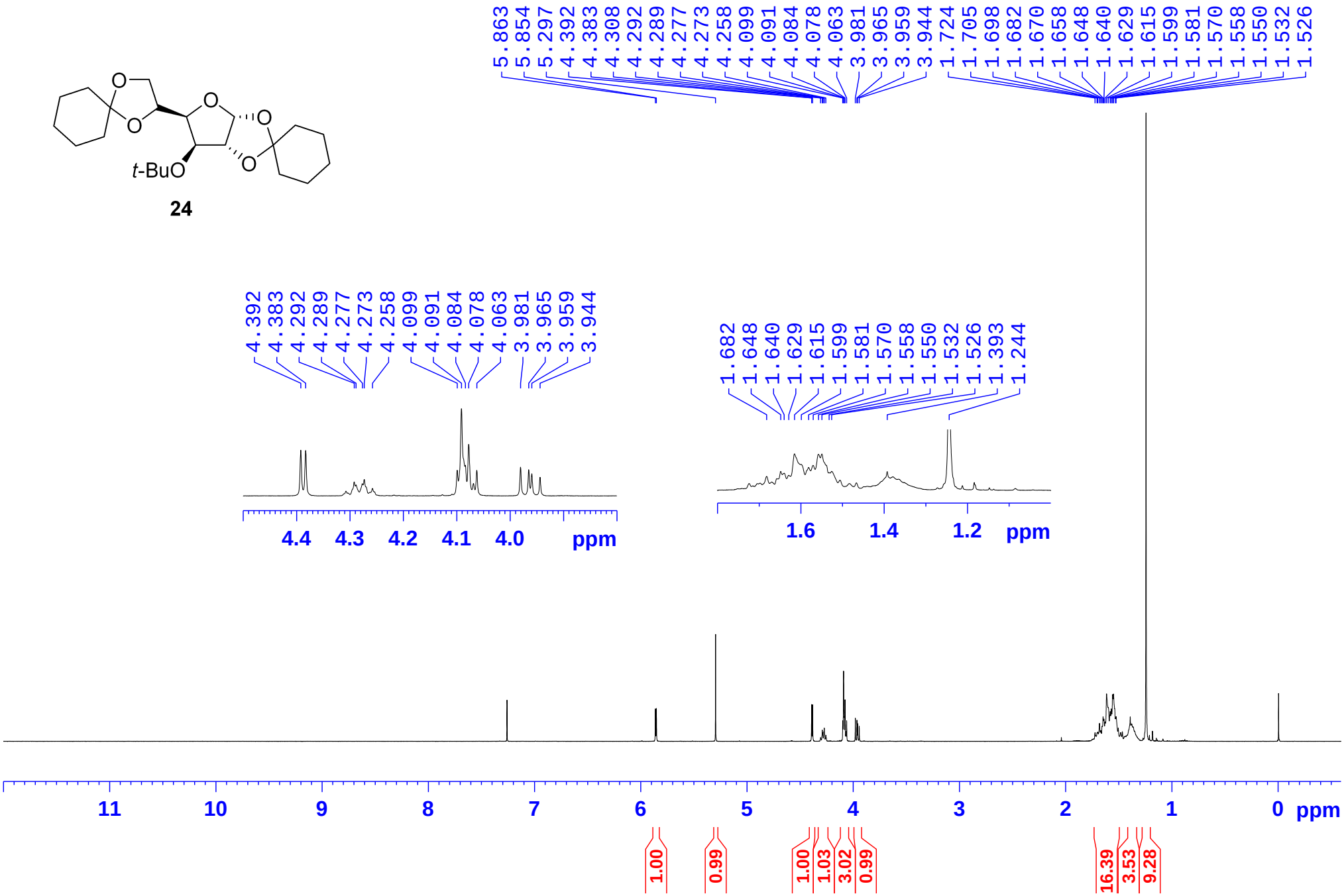

$^{13}C\{^{1}H\}$ NMR ($CDCl_3$, 100 MHz) for compound **24**

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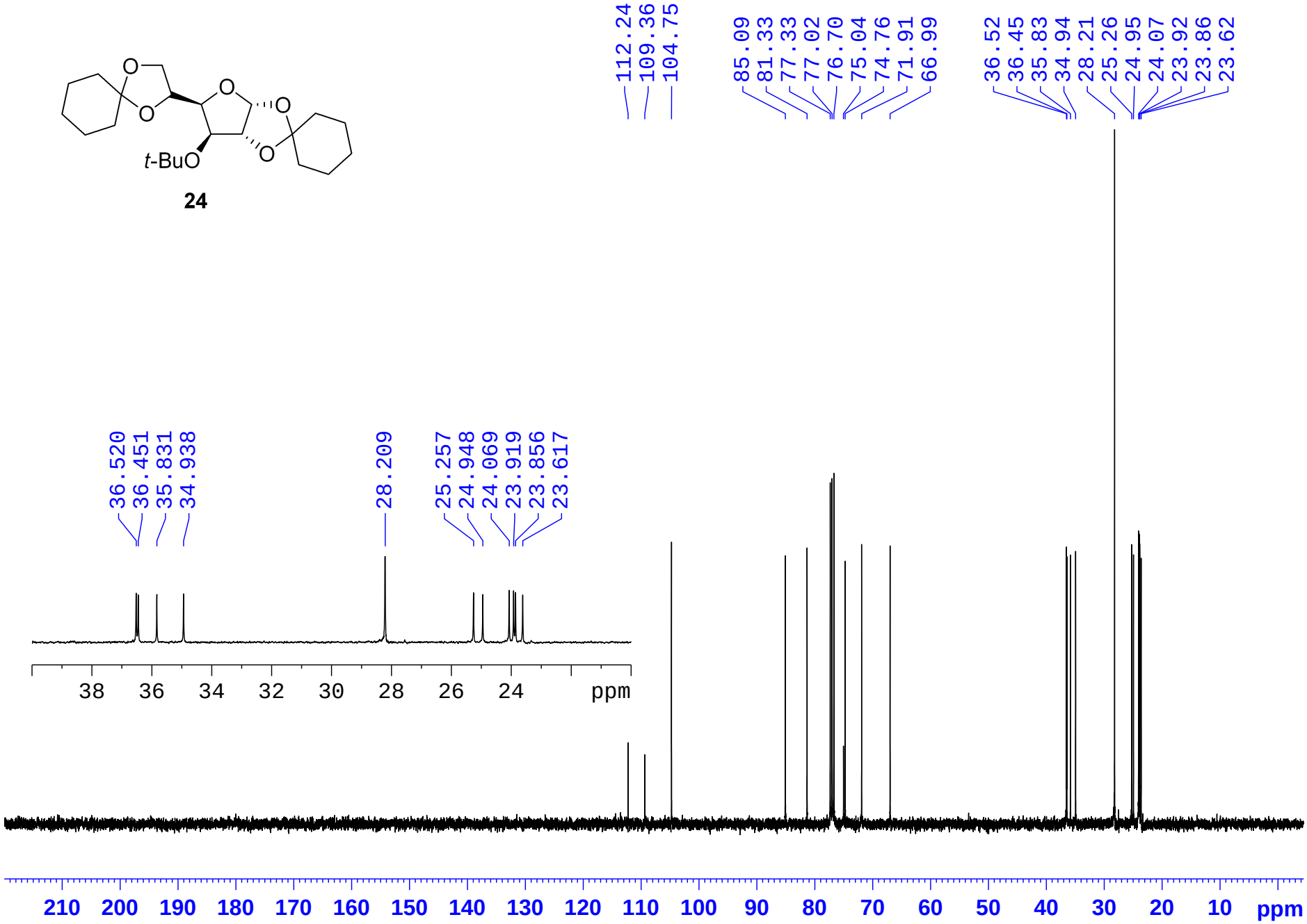
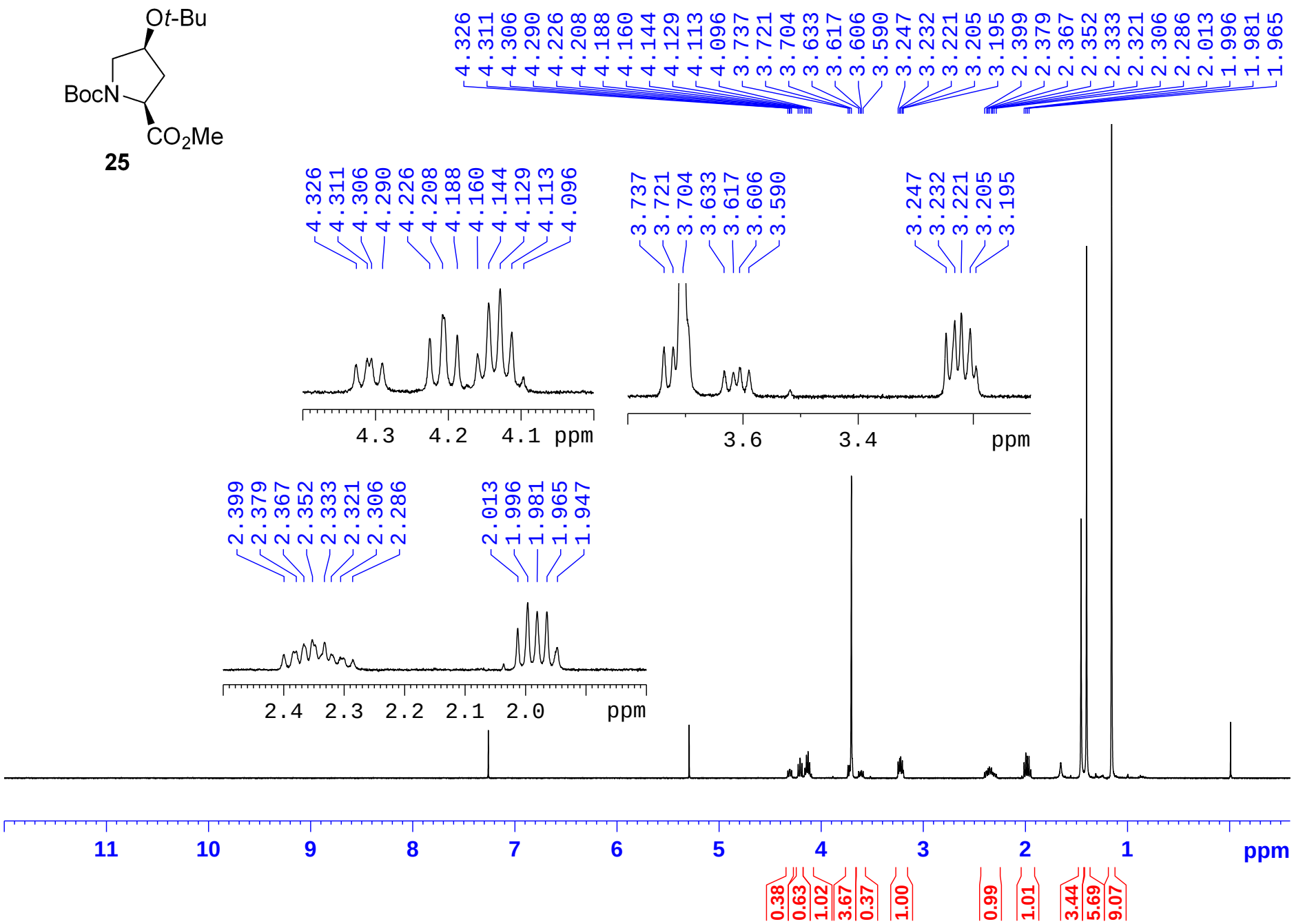
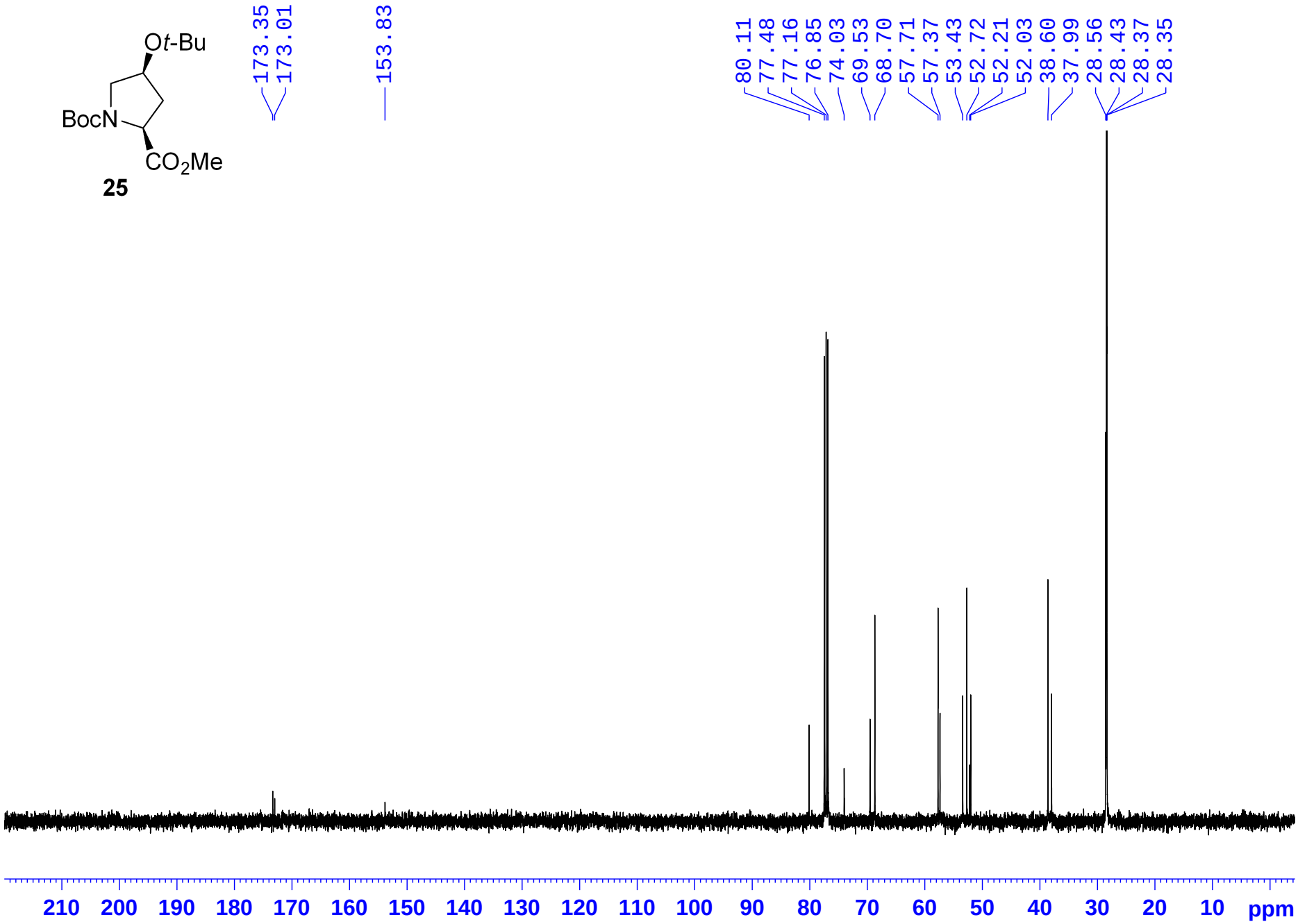


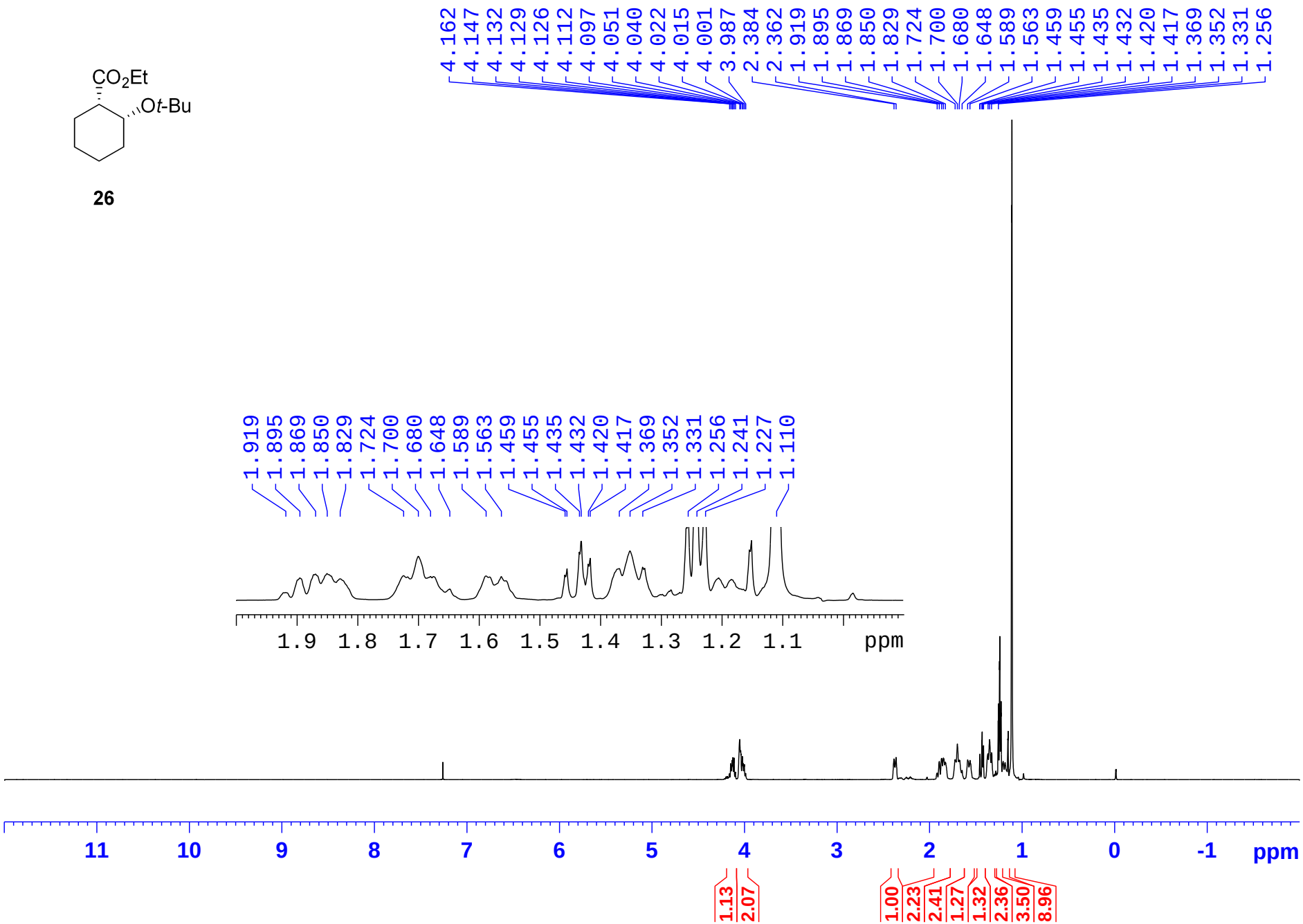
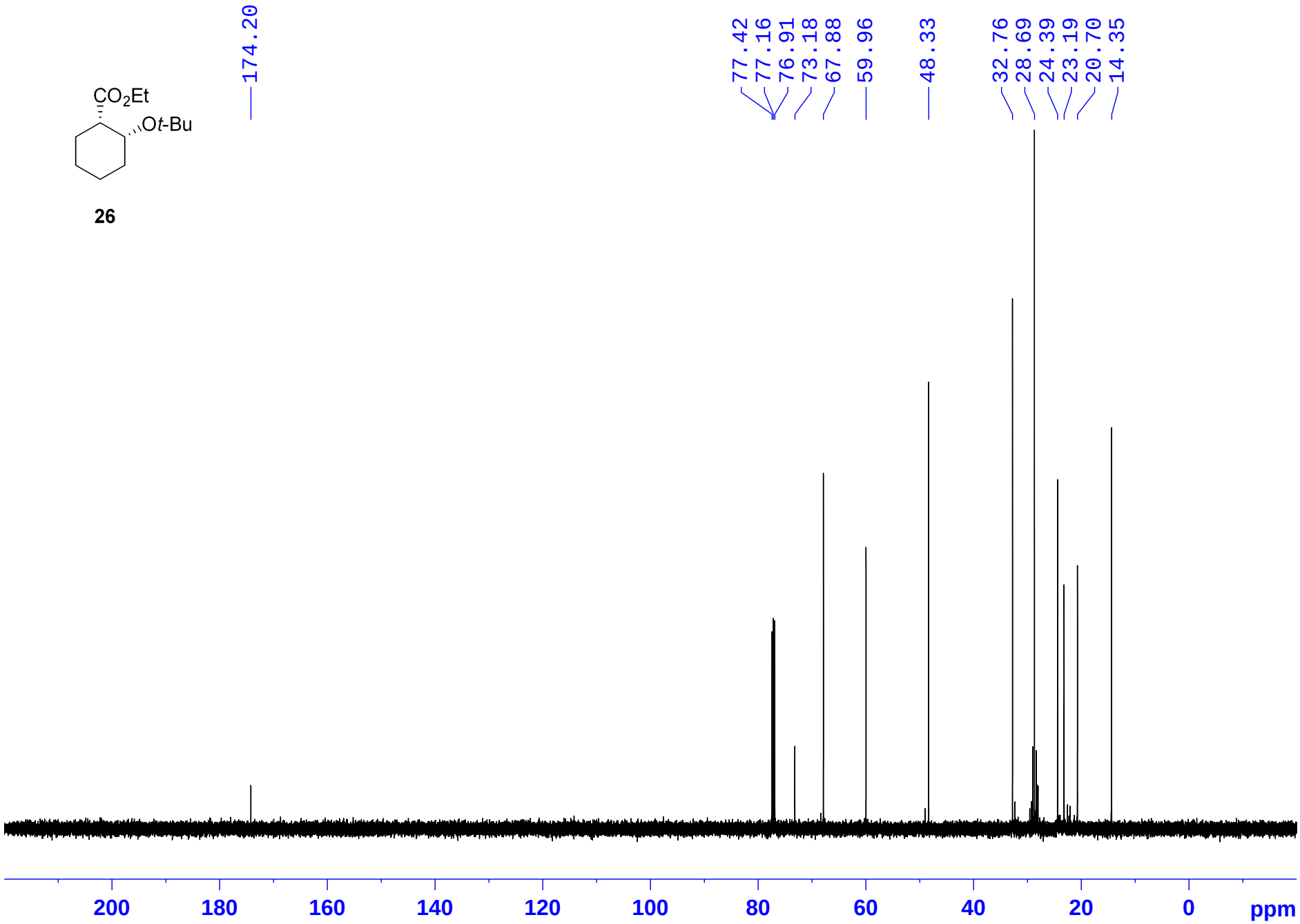
^{1}H NMR ($CDCl_3$, 400 MHz) for compound **25**



$^{13}C\{^{1}H\}$ NMR ($CDCl_3$, 100 MHz) for compound **25**



^{1}H NMR ($CDCl_3$, 500 MHz) for compound **26**



$^{13}C\{^{1}H\}$ NMR ($CDCl_3$, 125 MHz) for compound **26**