

Doctoral Thesis

Irene Bosque Martínez

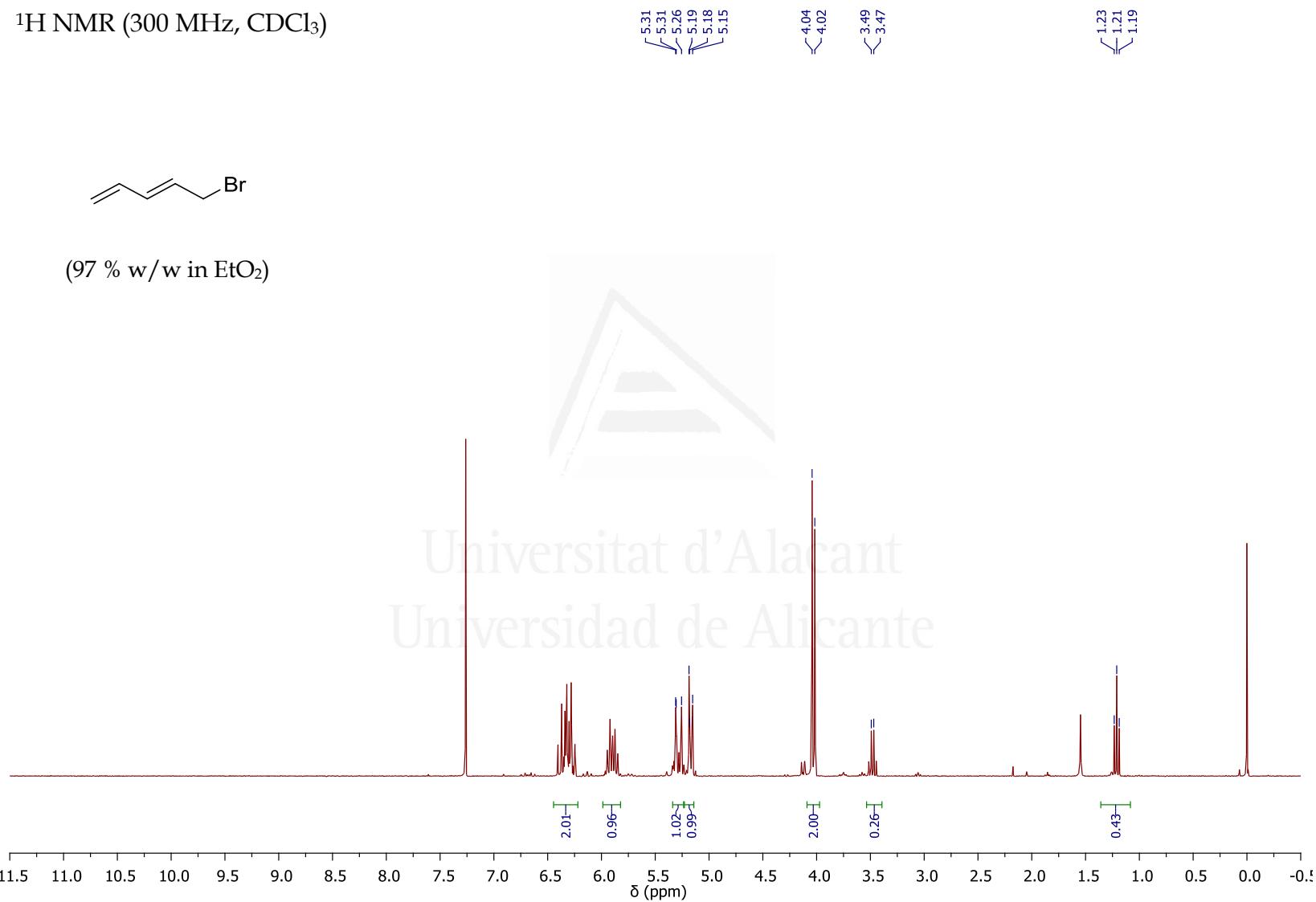
CHAPTER IV:
PENTADIENYLATION OF CARBONYL COMPOUNDS

Supporting Information

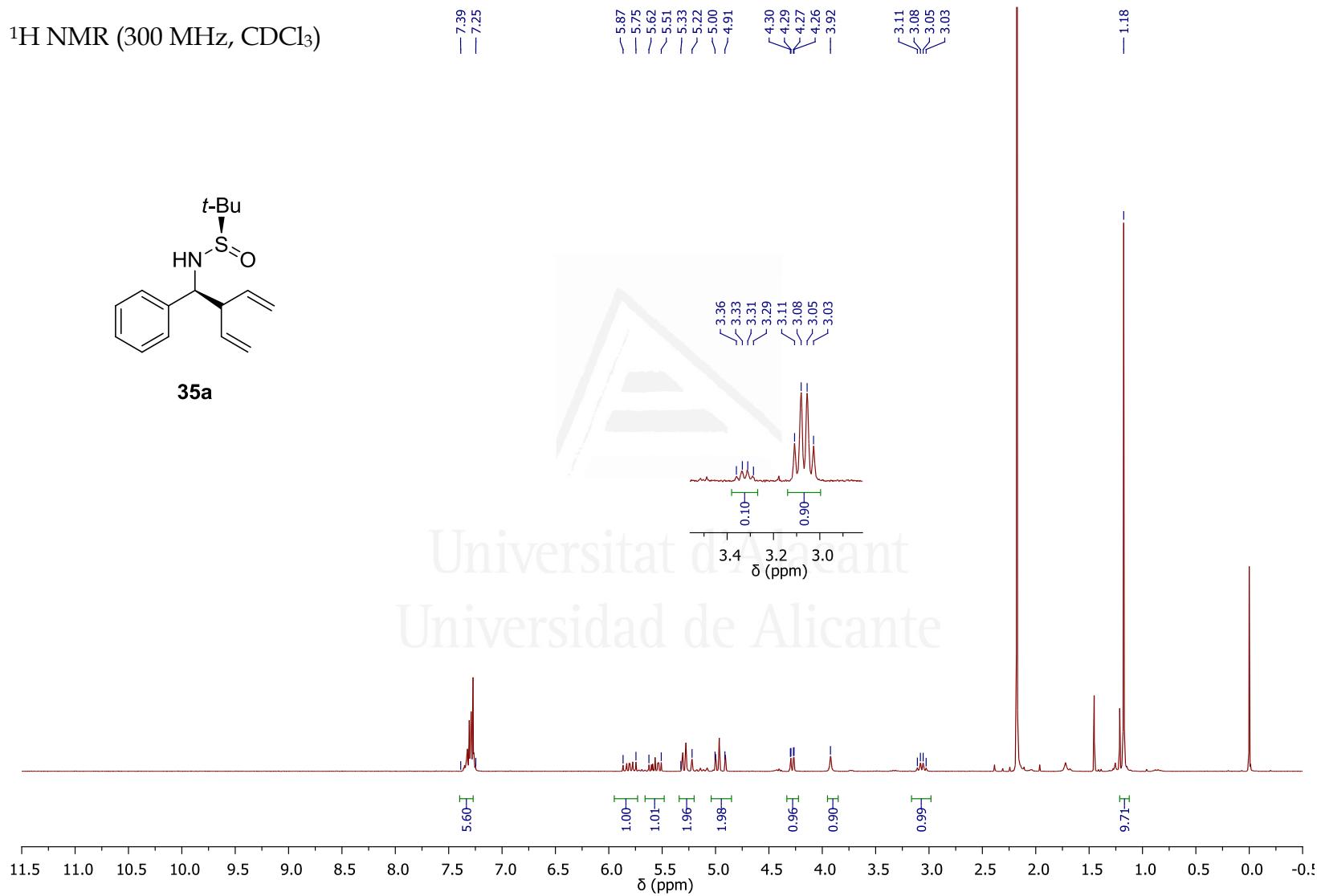
¹ H NMR and ¹³ C NMR spectra of compounds 35	SIII.2
¹ H NMR spectra for MPA-derivatives of compounds 35i and 35j	SIII.27
¹ H NMR and ¹³ C NMR spectra of compounds 36	SIII.31
¹ H NMR and ¹³ C NMR spectra of compounds 37 to 41	SIII.37
COSY and HSQC spectra of compound 41	SIII.51
¹ H NMR and ¹³ C NMR spectra of compound 42 to 45	SIII.53

Universitat d'Alacant
Universidad de Alicante

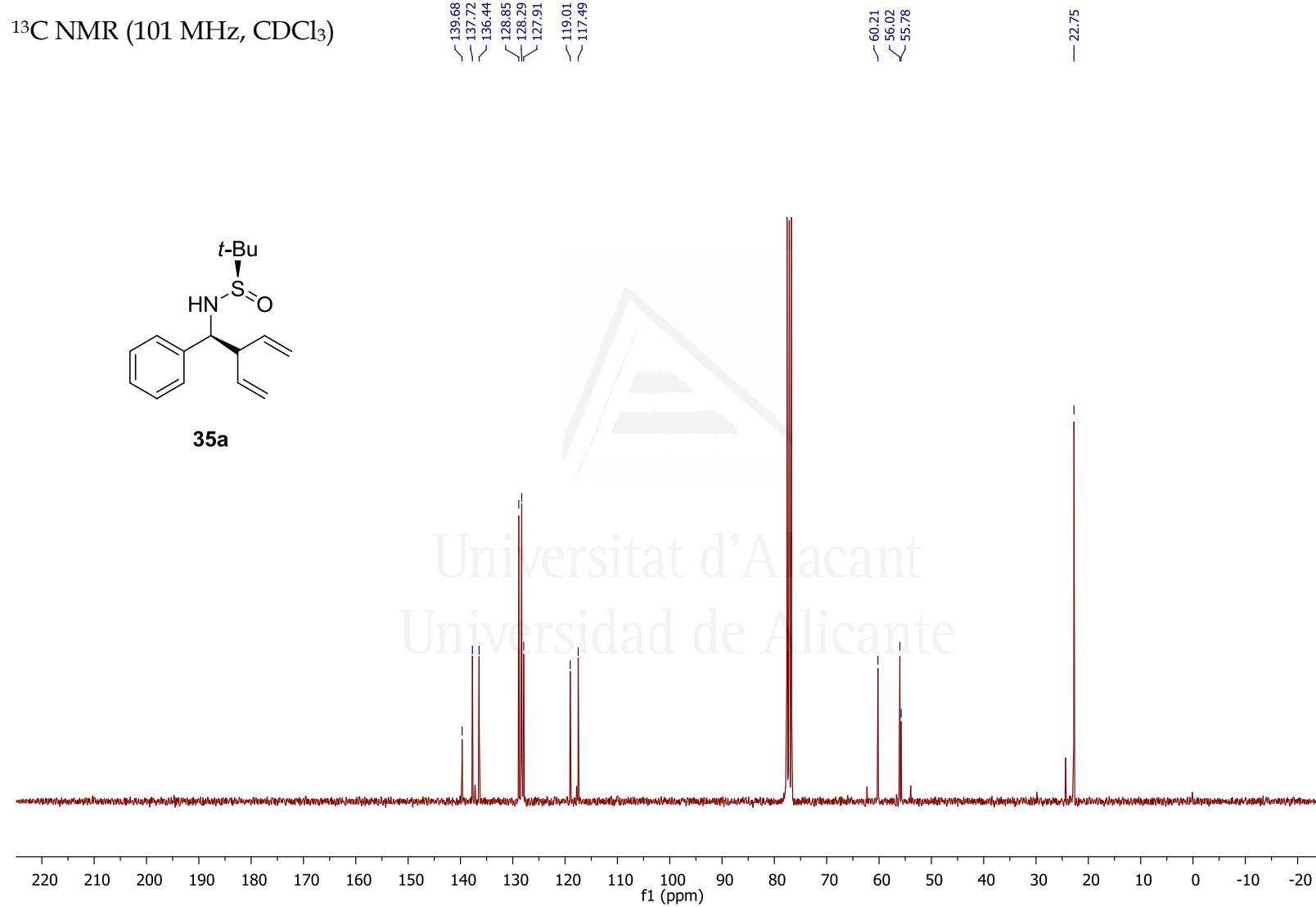
^1H NMR (300 MHz, CDCl_3)



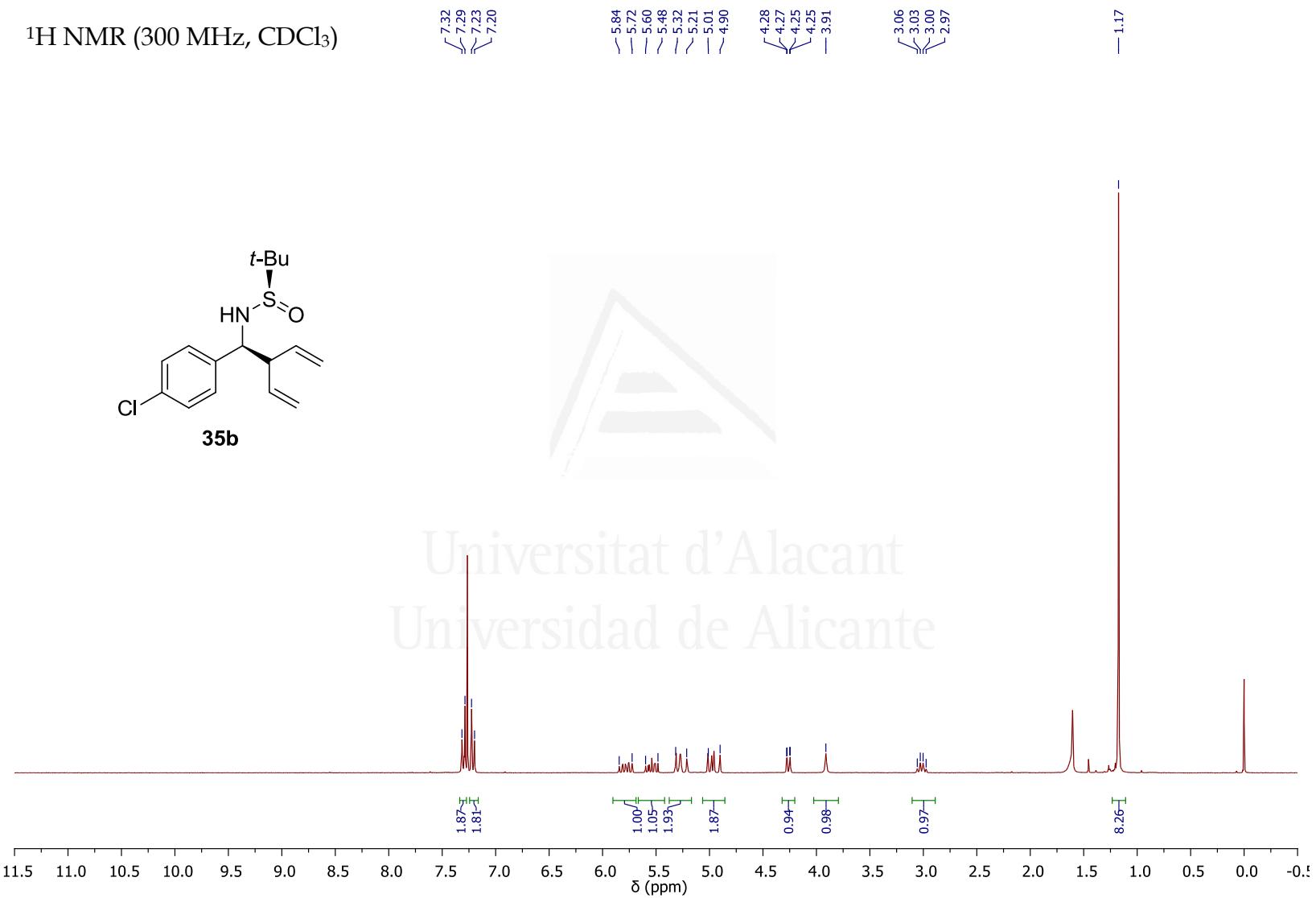
^1H NMR (300 MHz, CDCl_3)



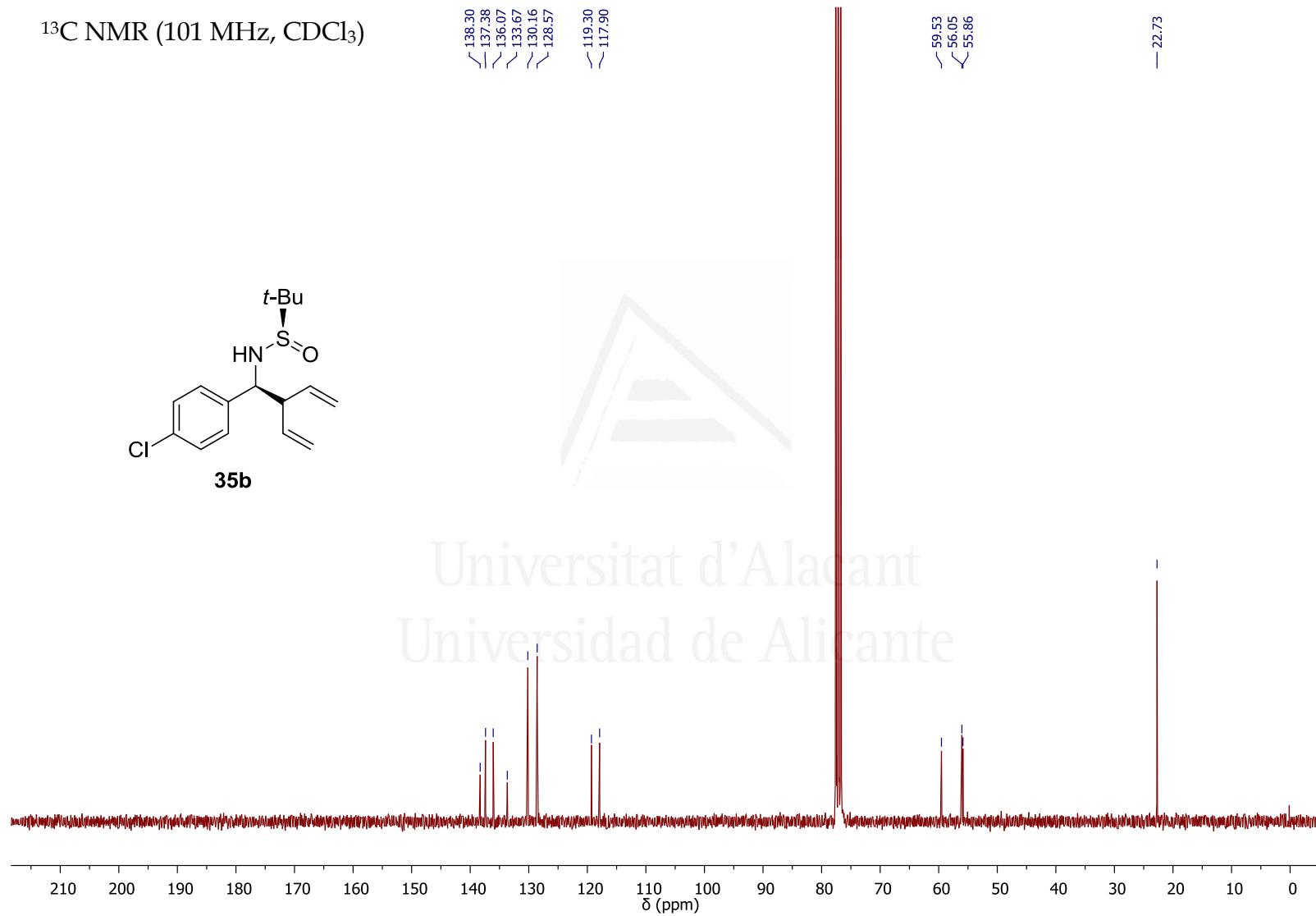
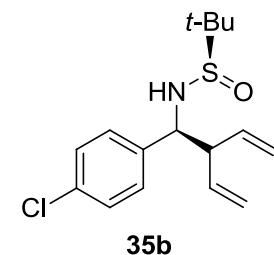
^{13}C NMR (101 MHz, CDCl_3)

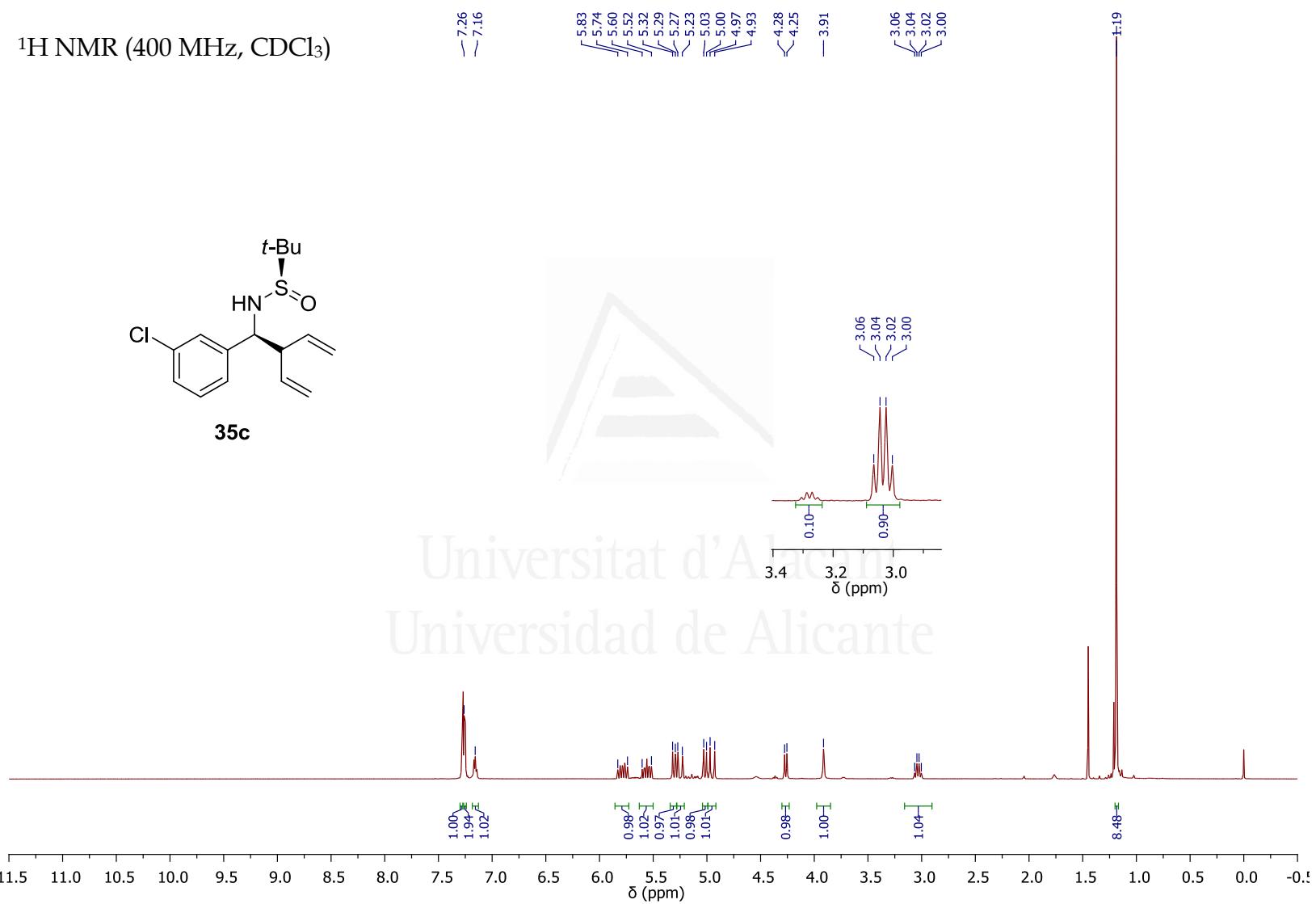


^1H NMR (300 MHz, CDCl_3)

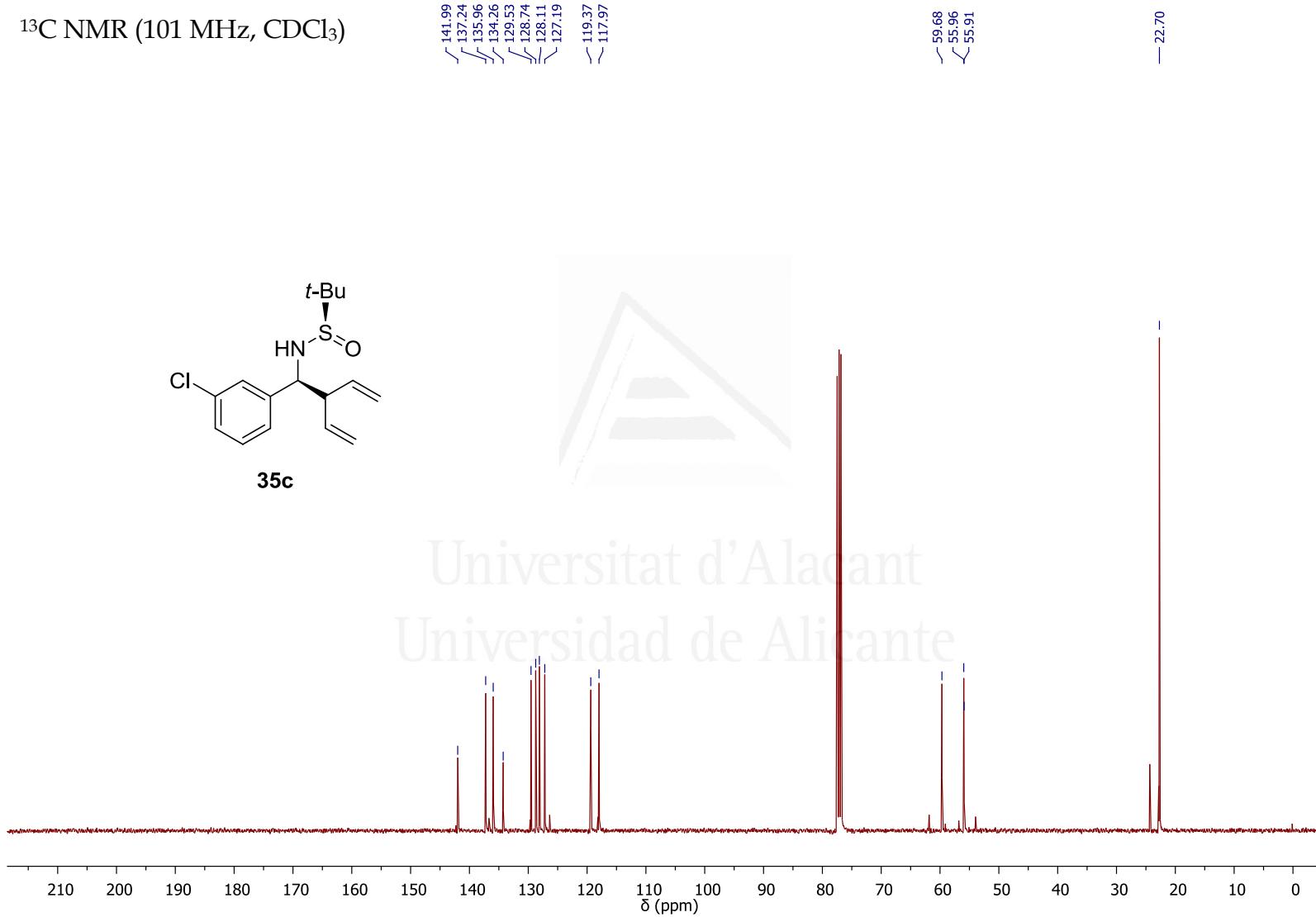


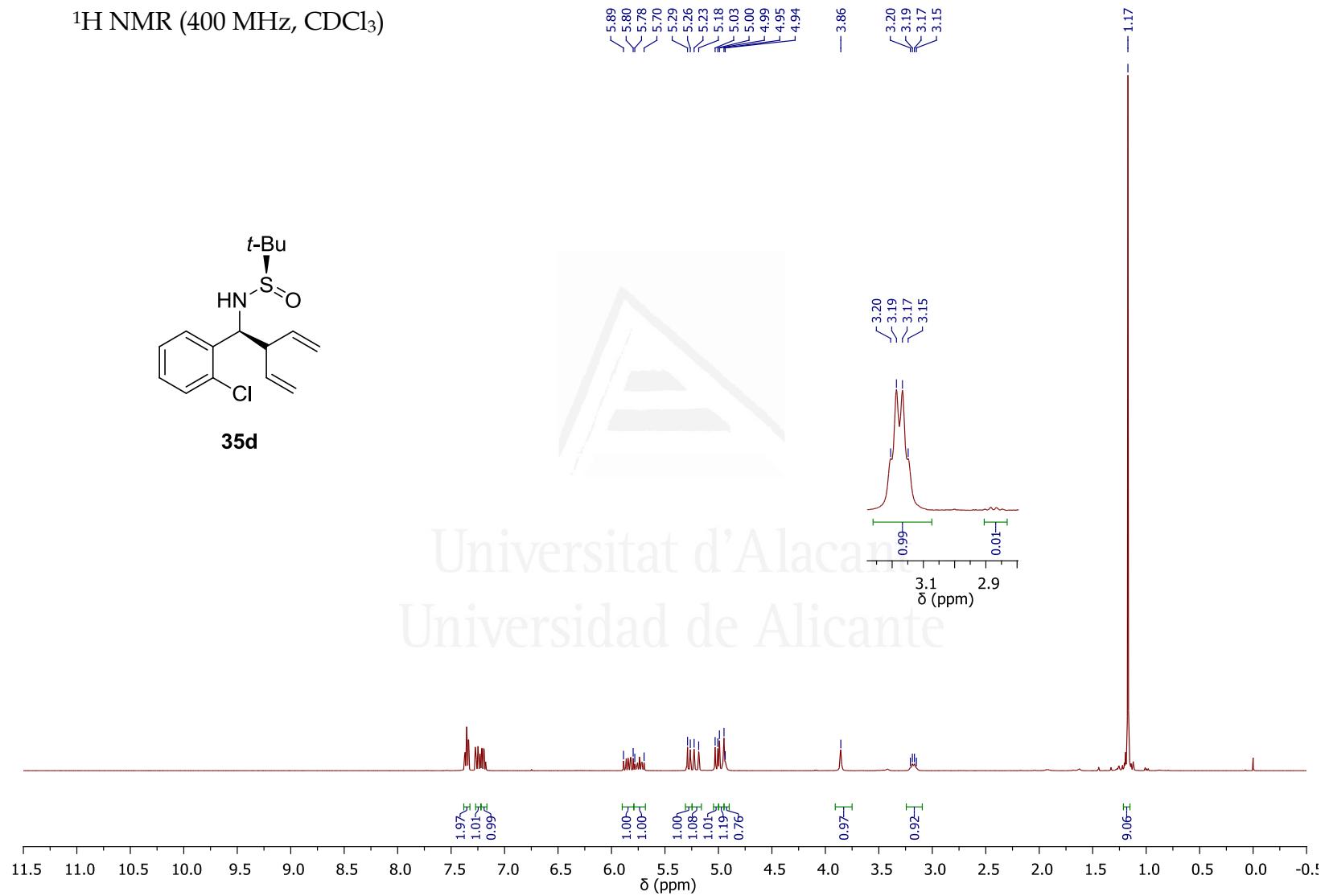
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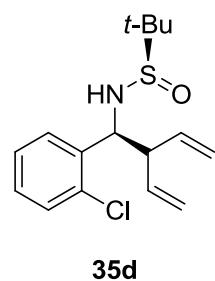


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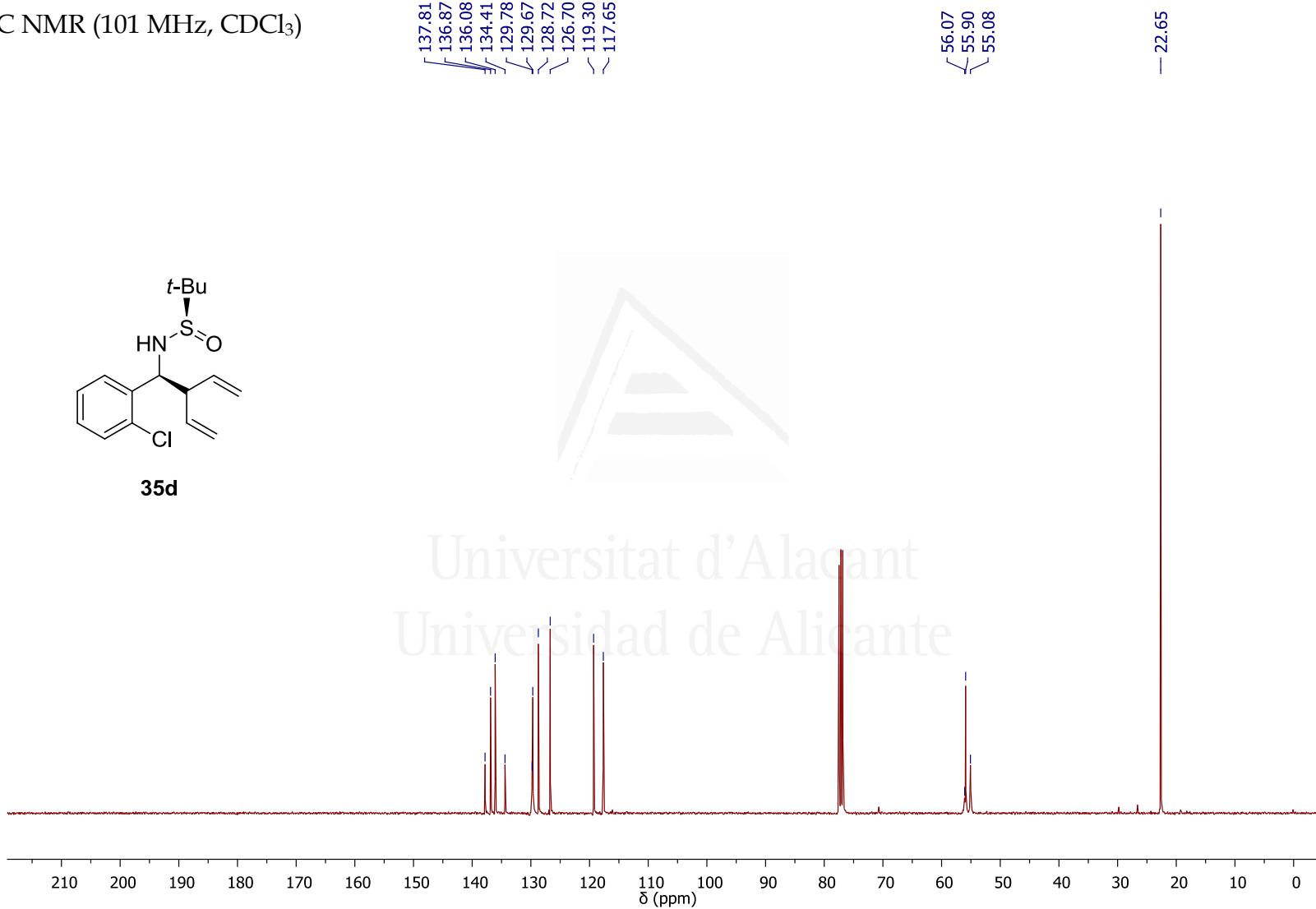


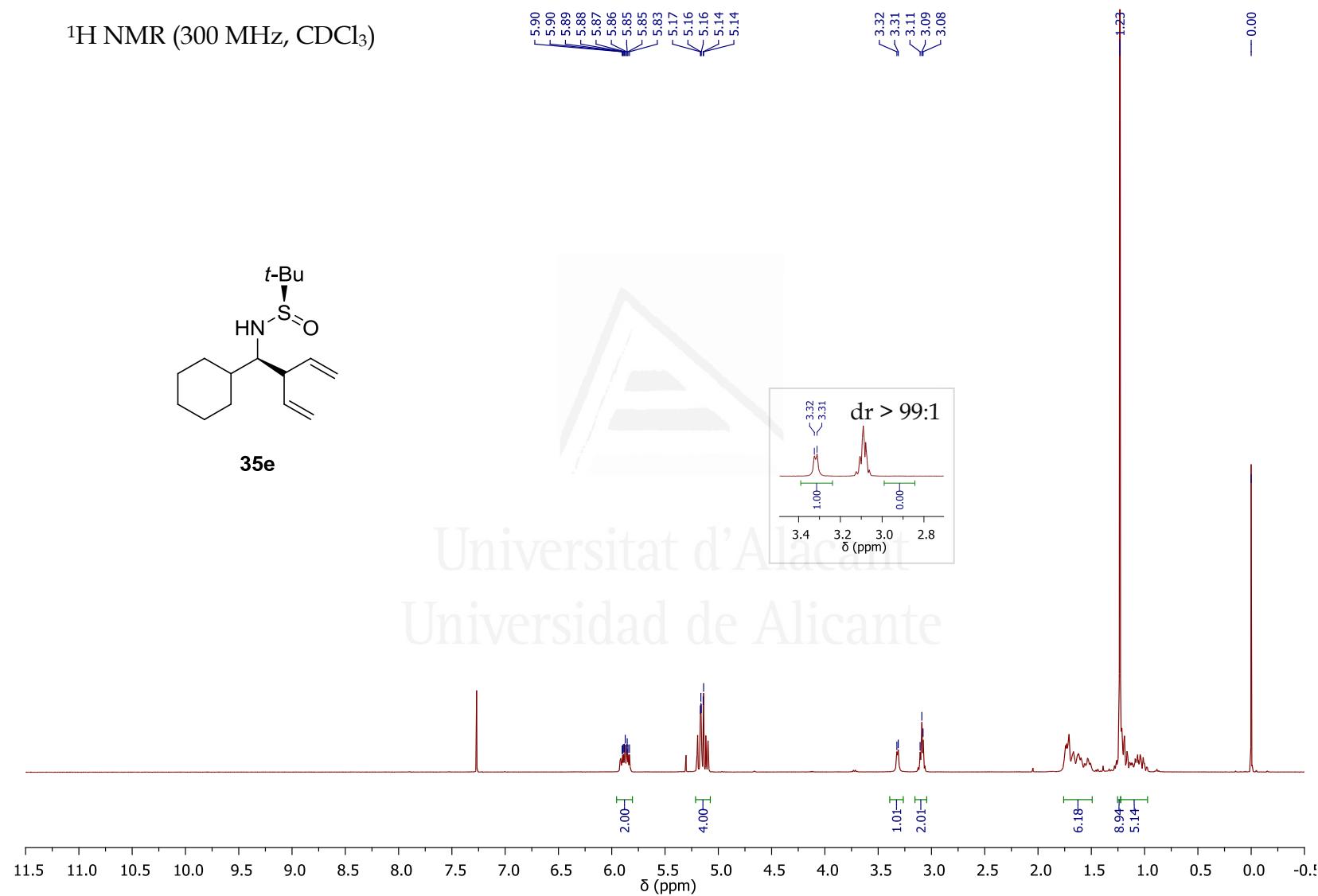


^{13}C NMR (101 MHz, CDCl_3)

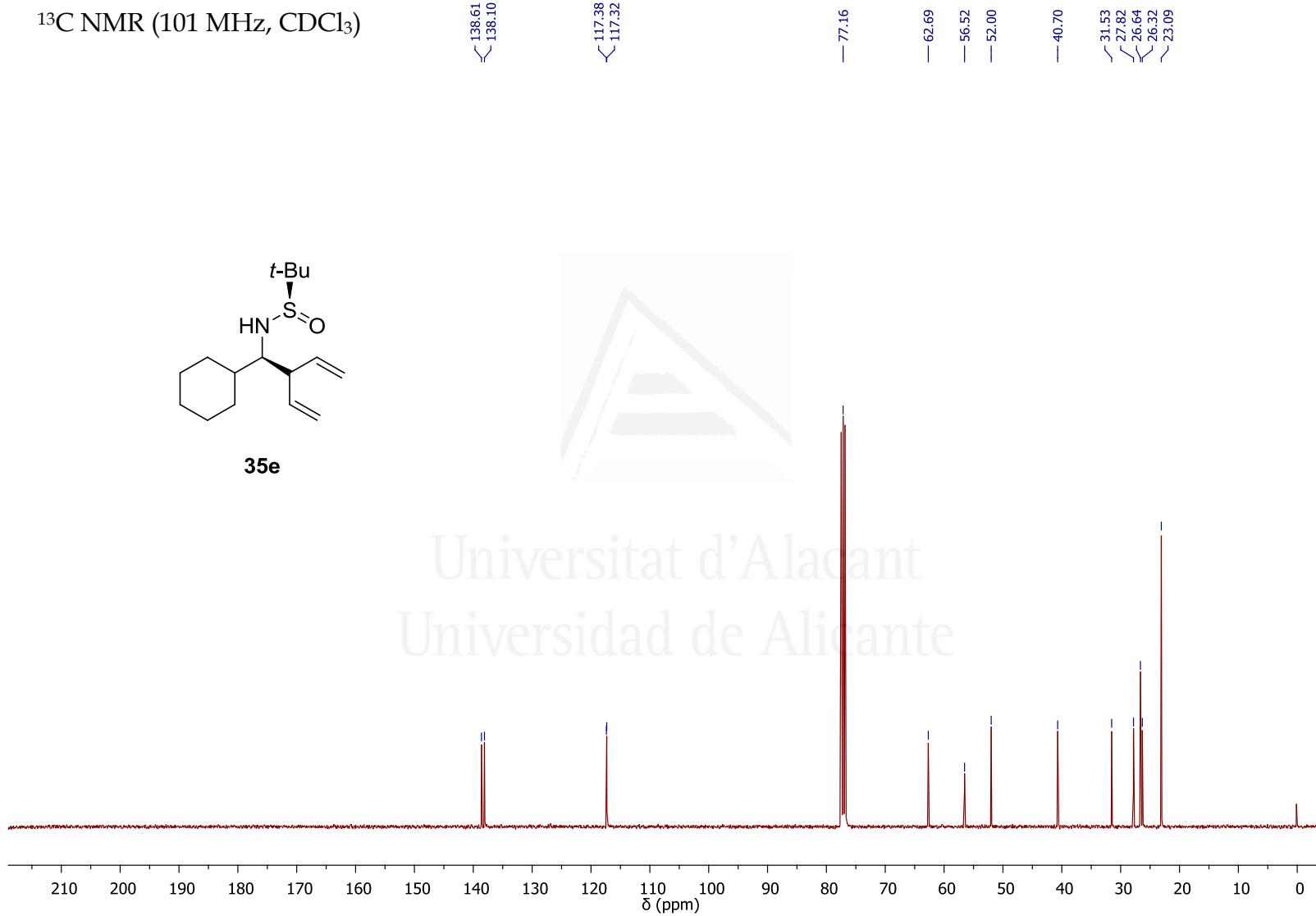


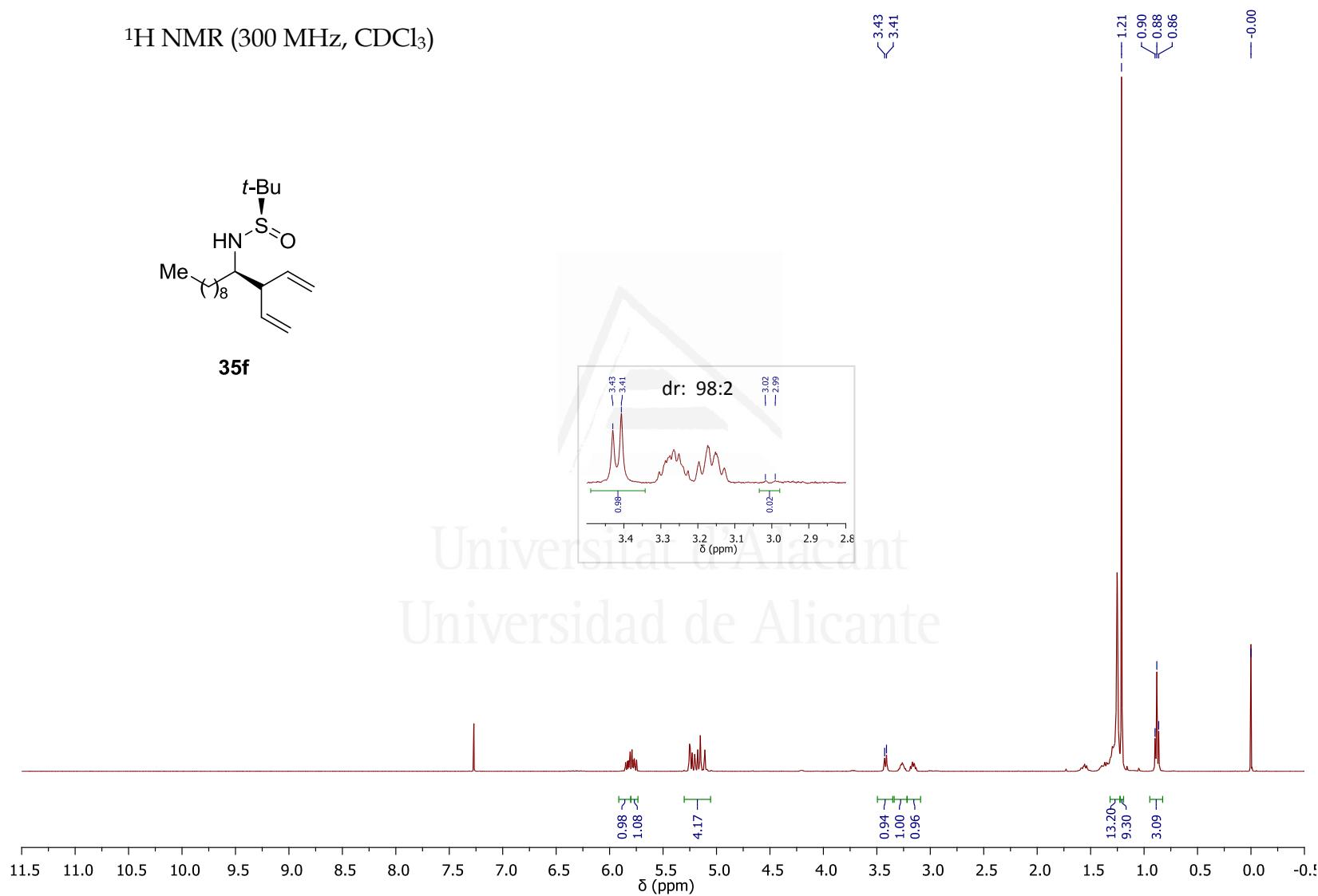
35d

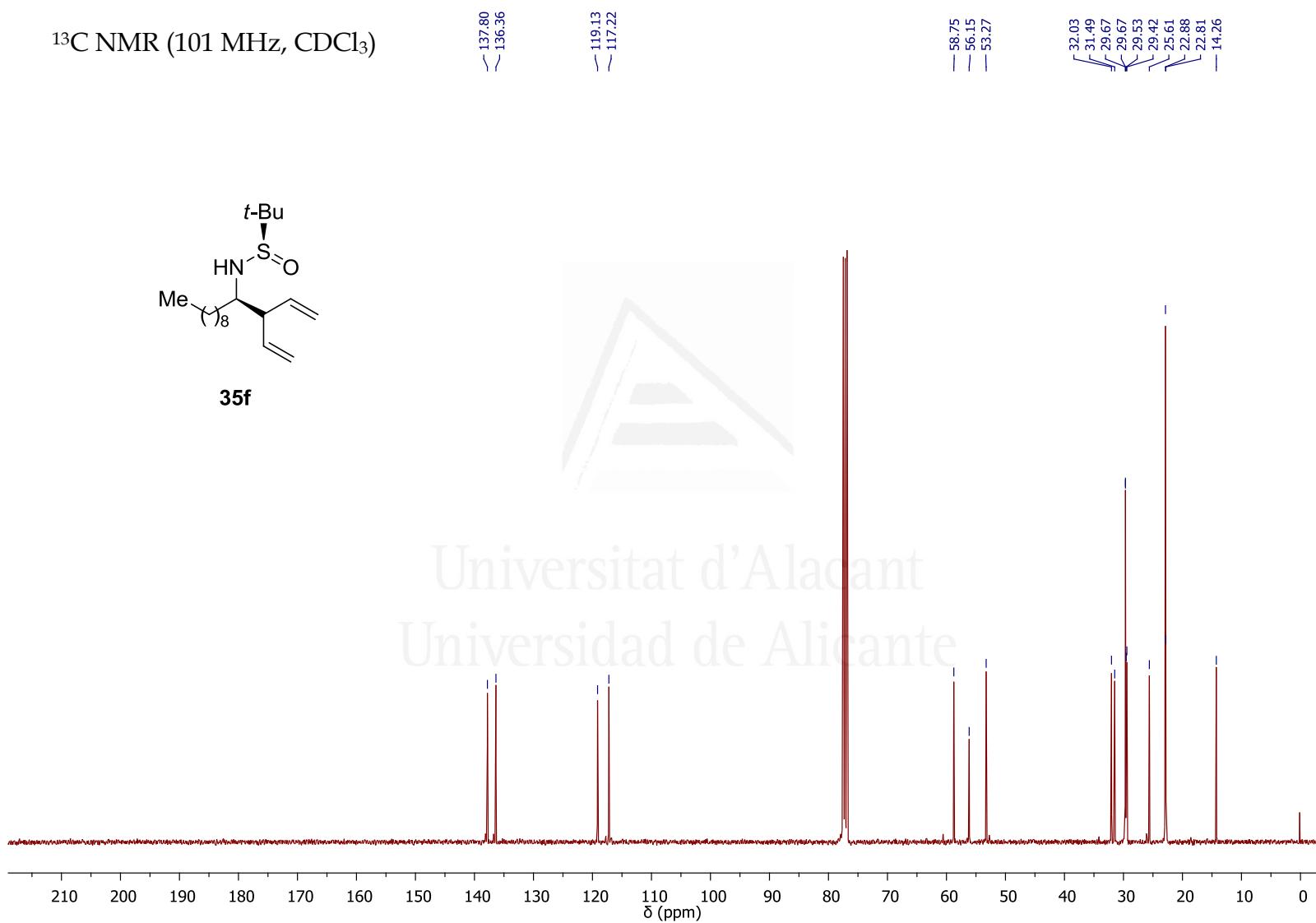


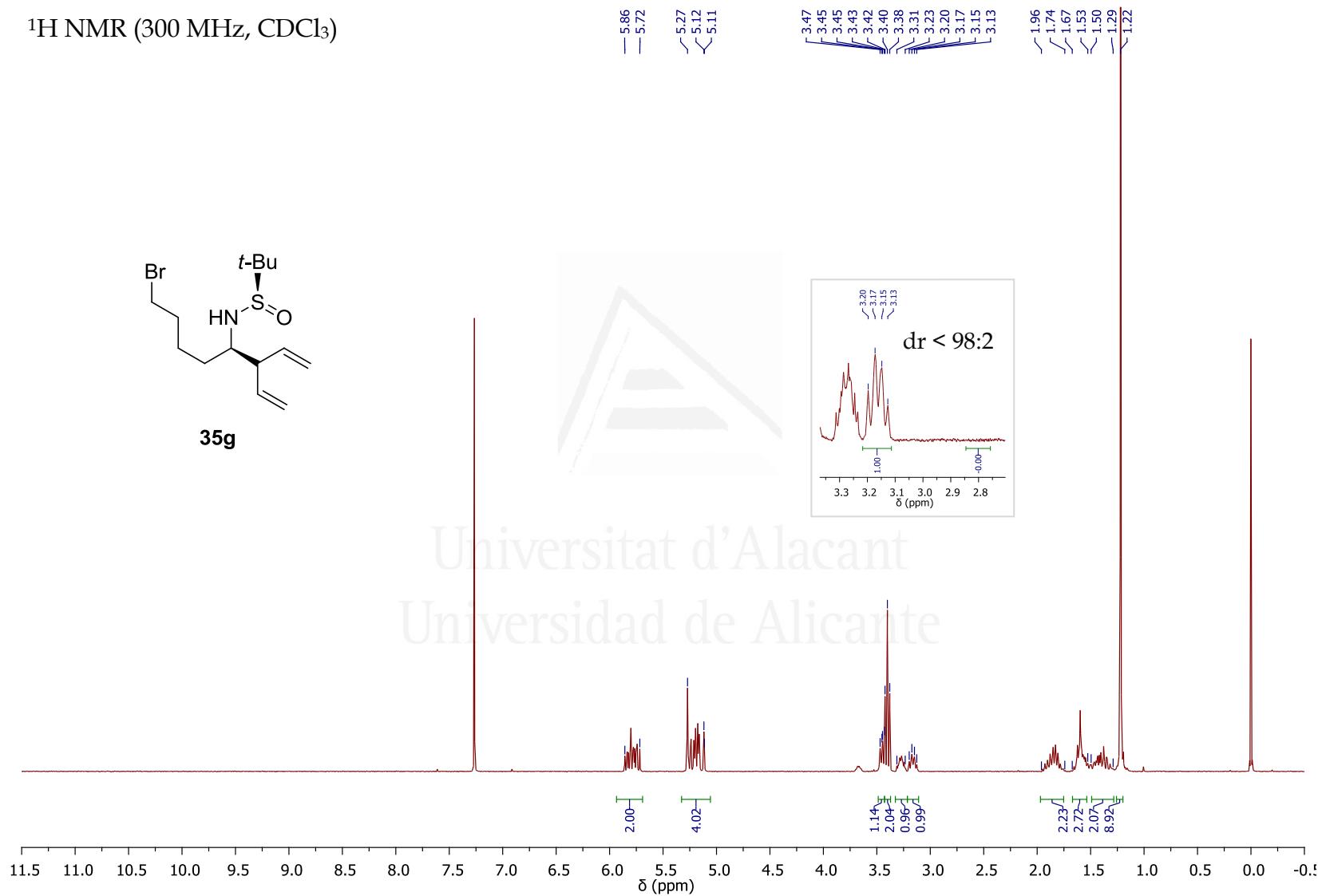


^{13}C NMR (101 MHz, CDCl_3)

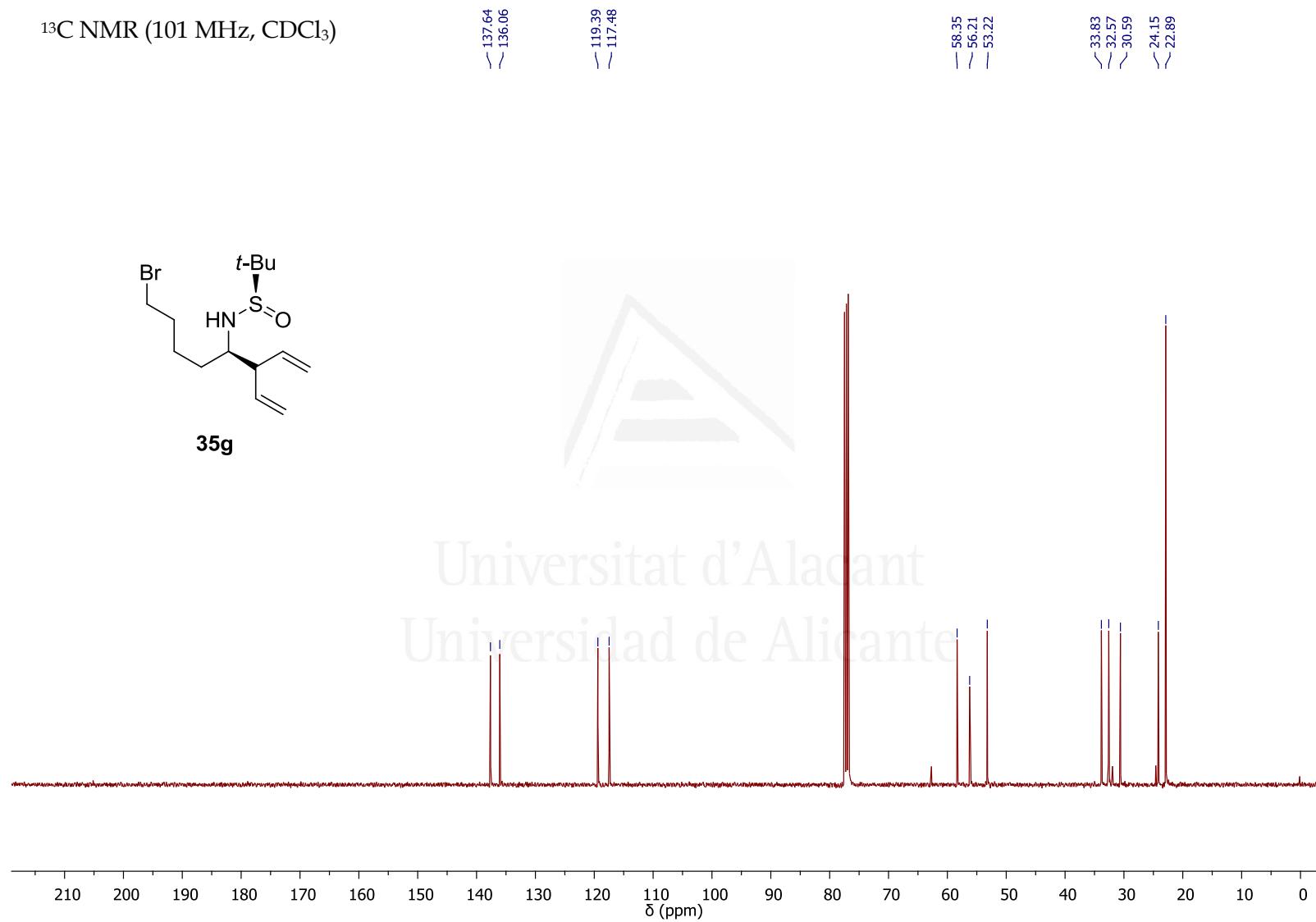


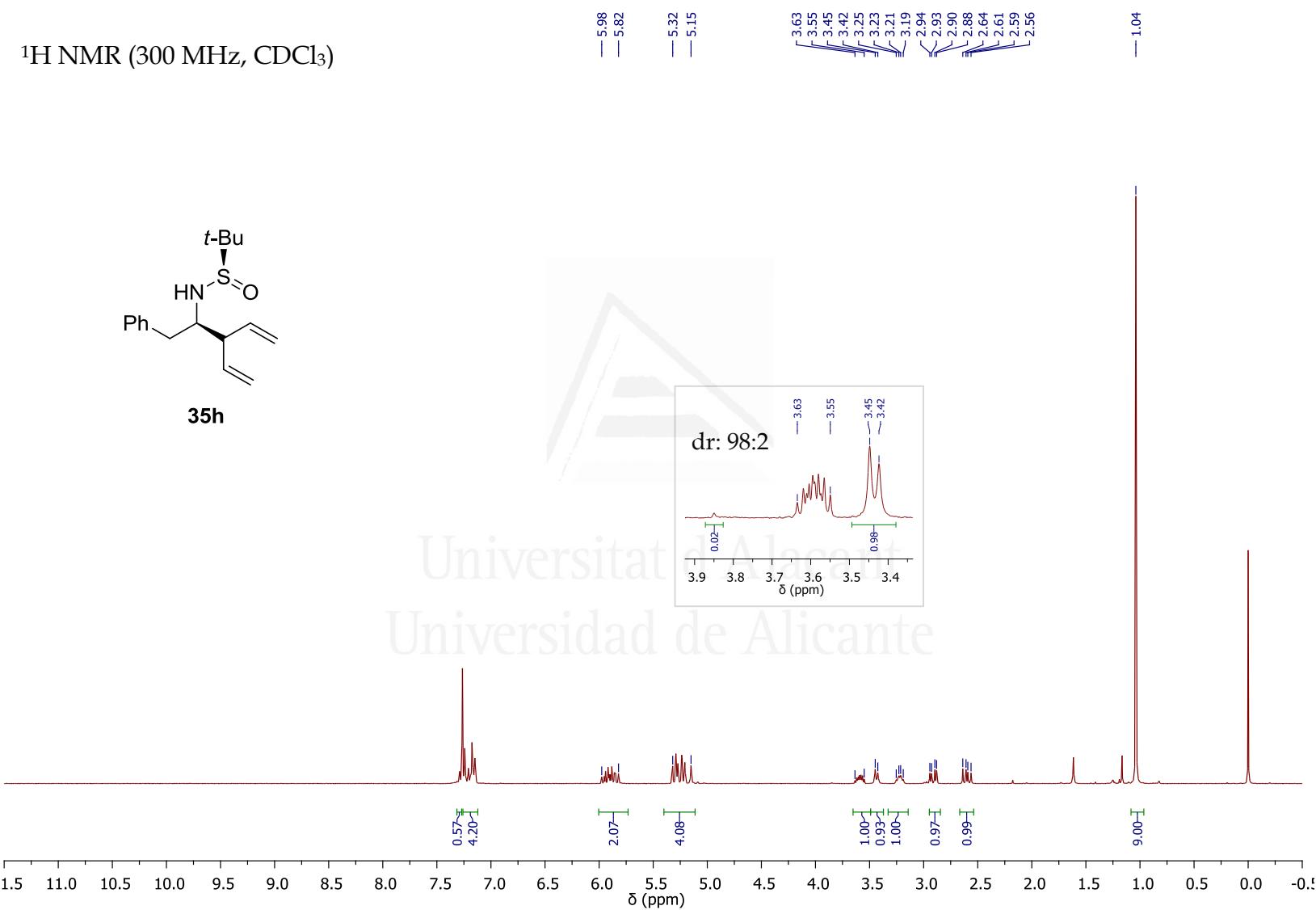




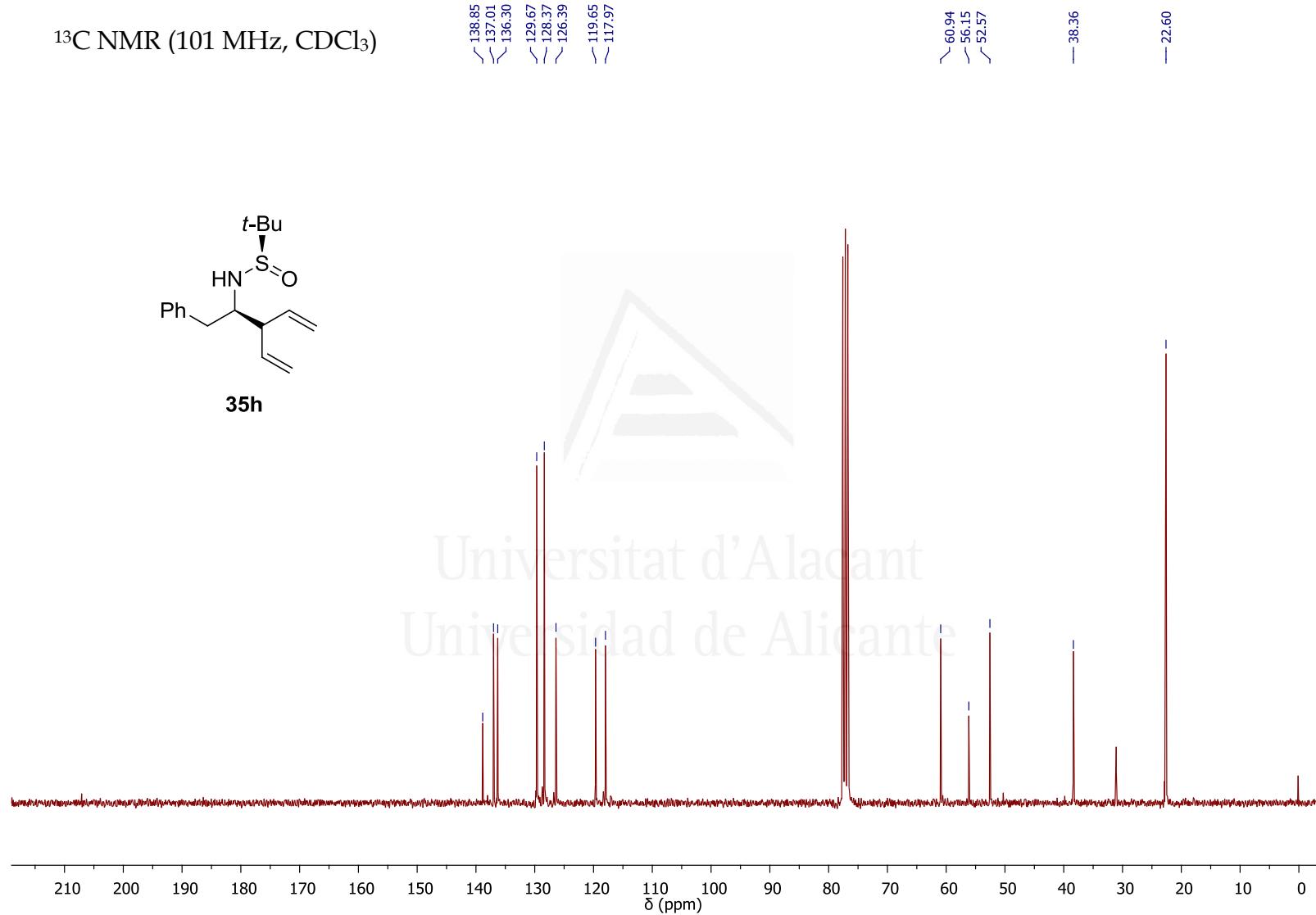
¹H NMR (300 MHz, CDCl₃)

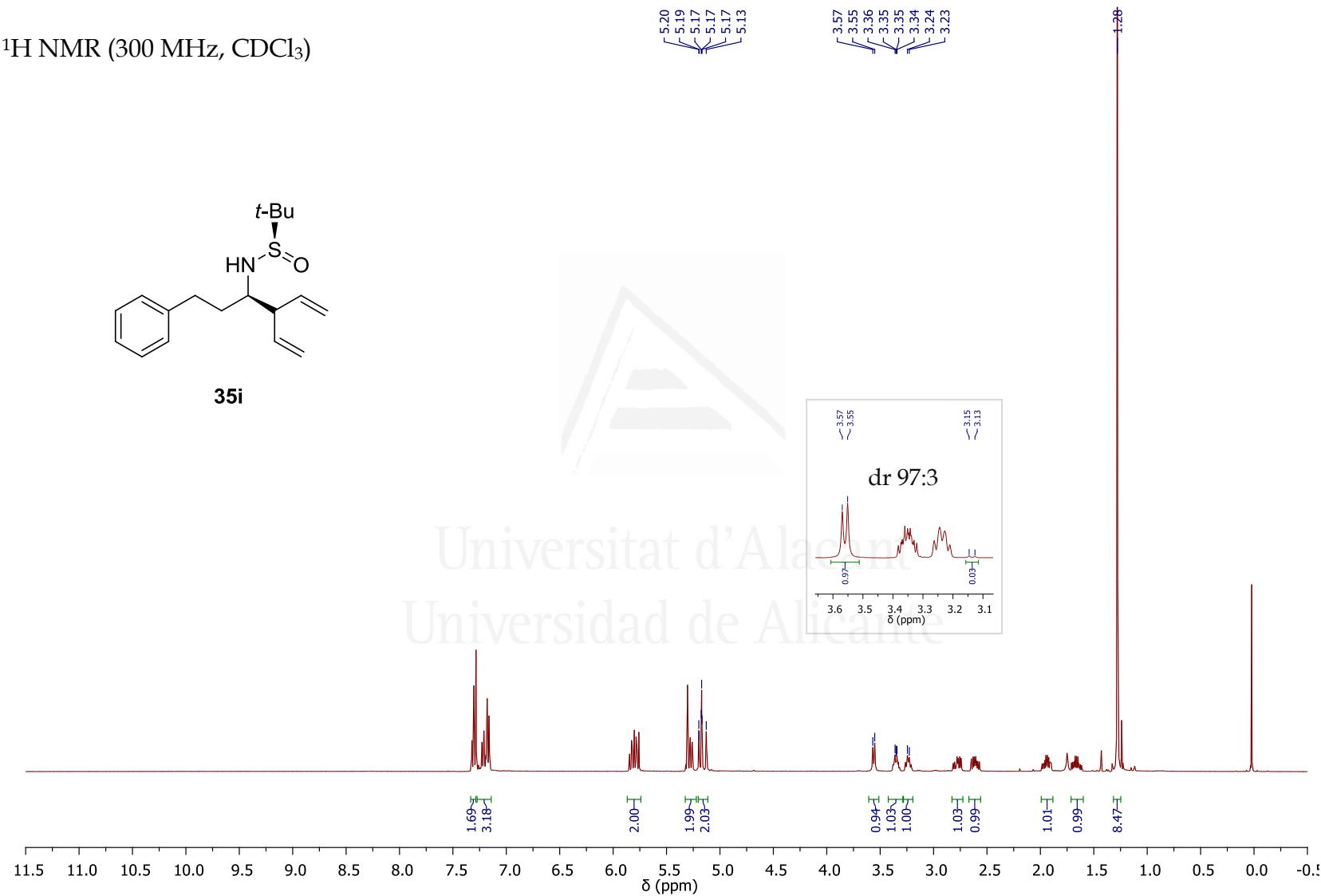
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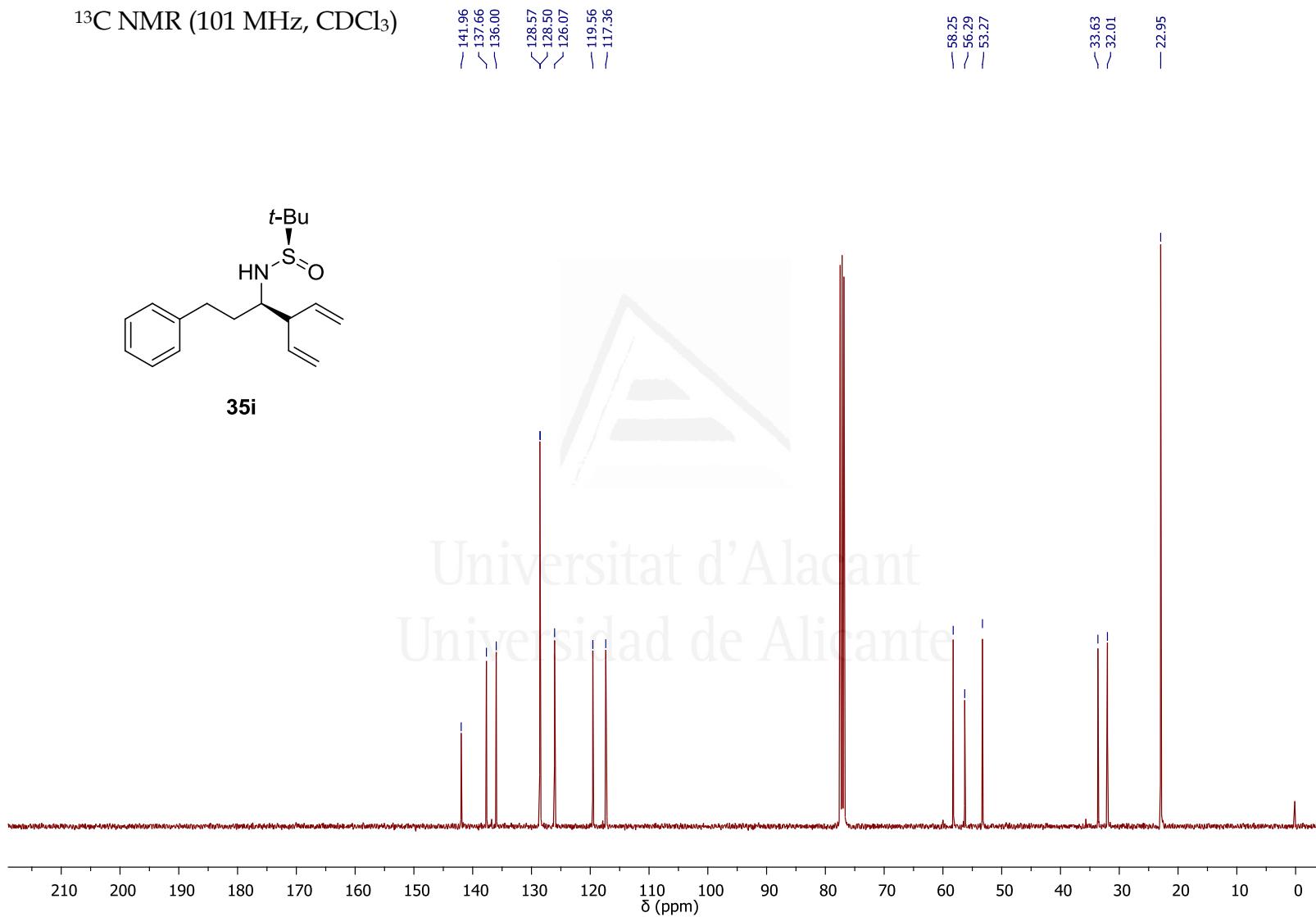


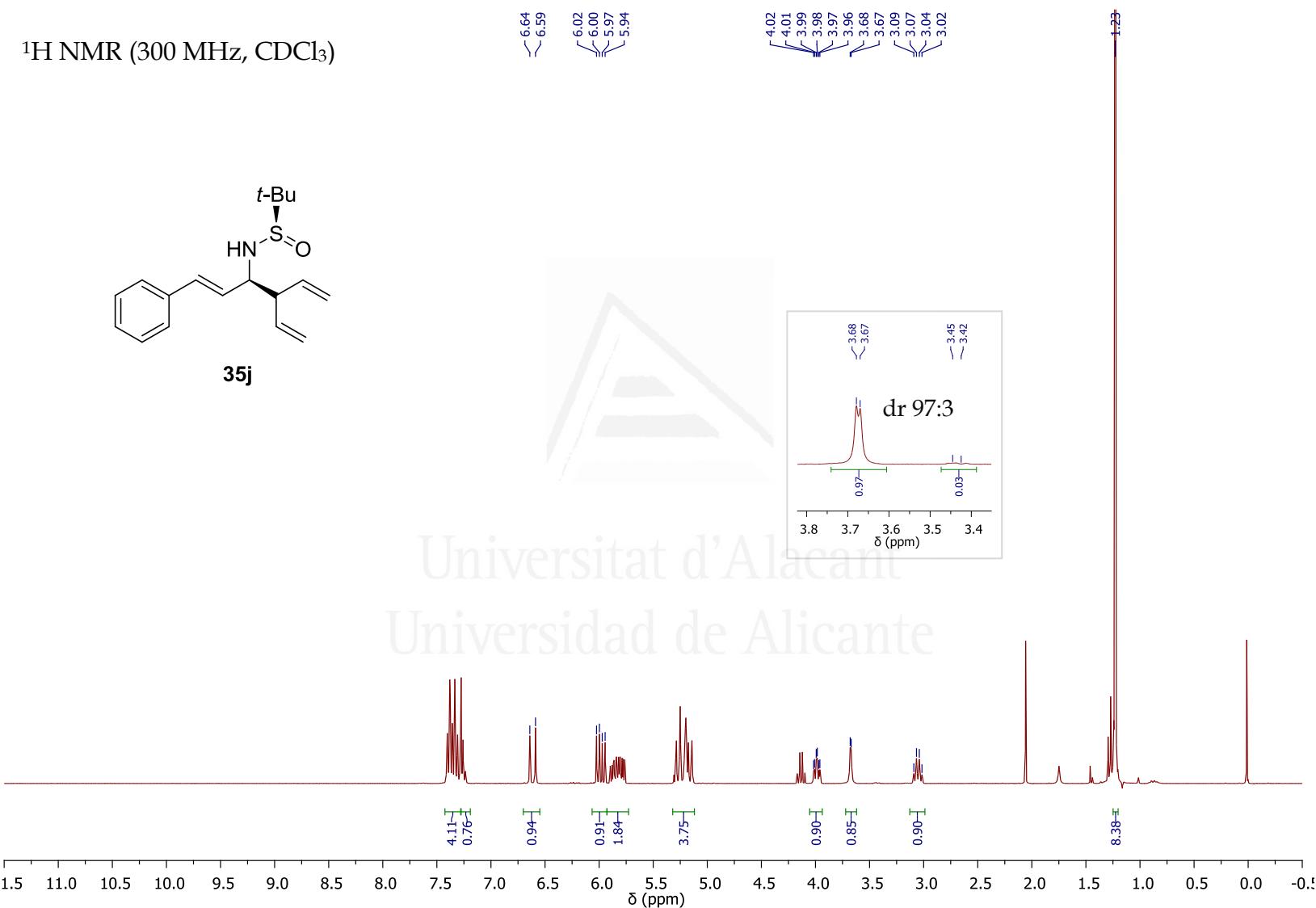


^{13}C NMR (101 MHz, CDCl_3)

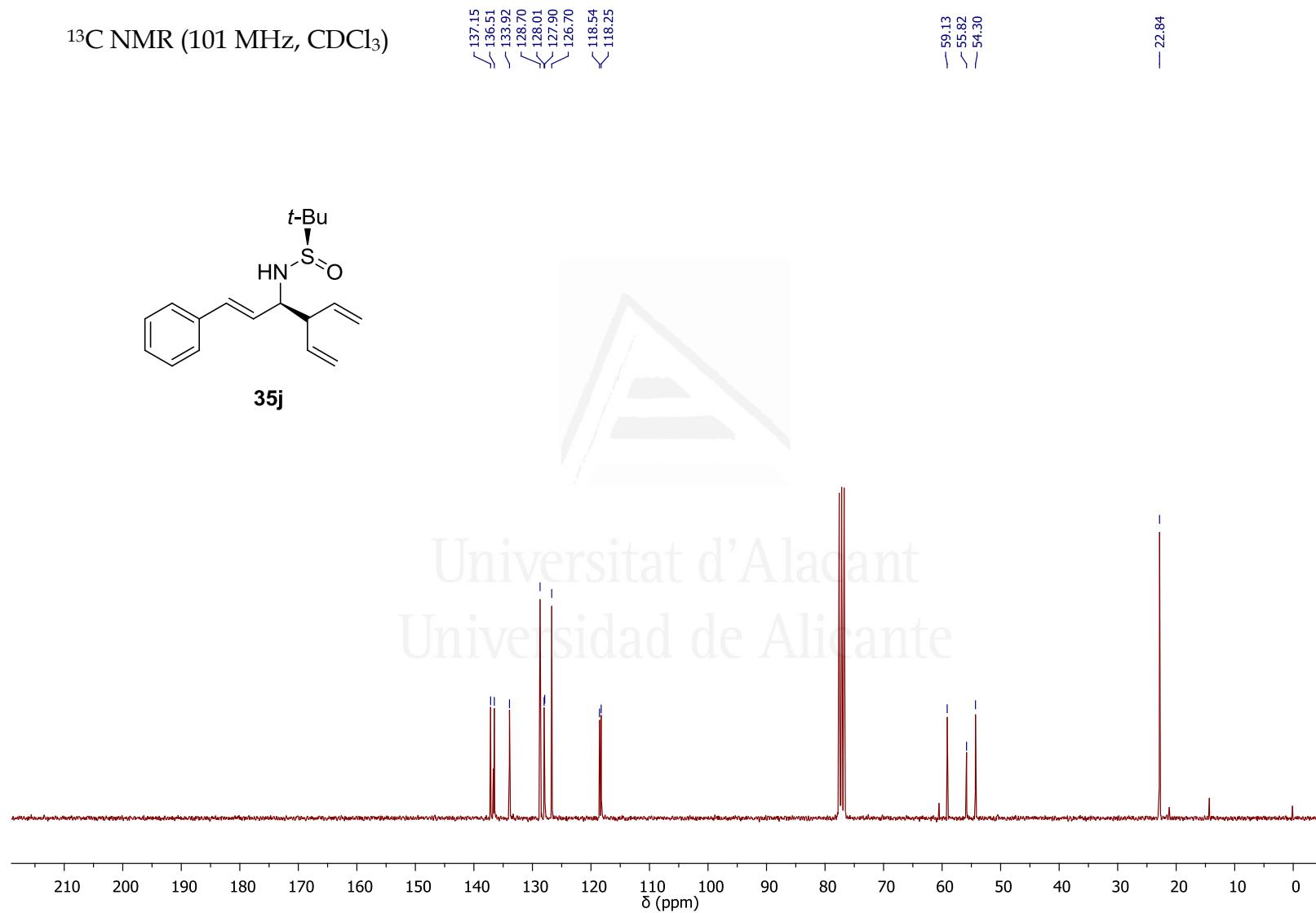


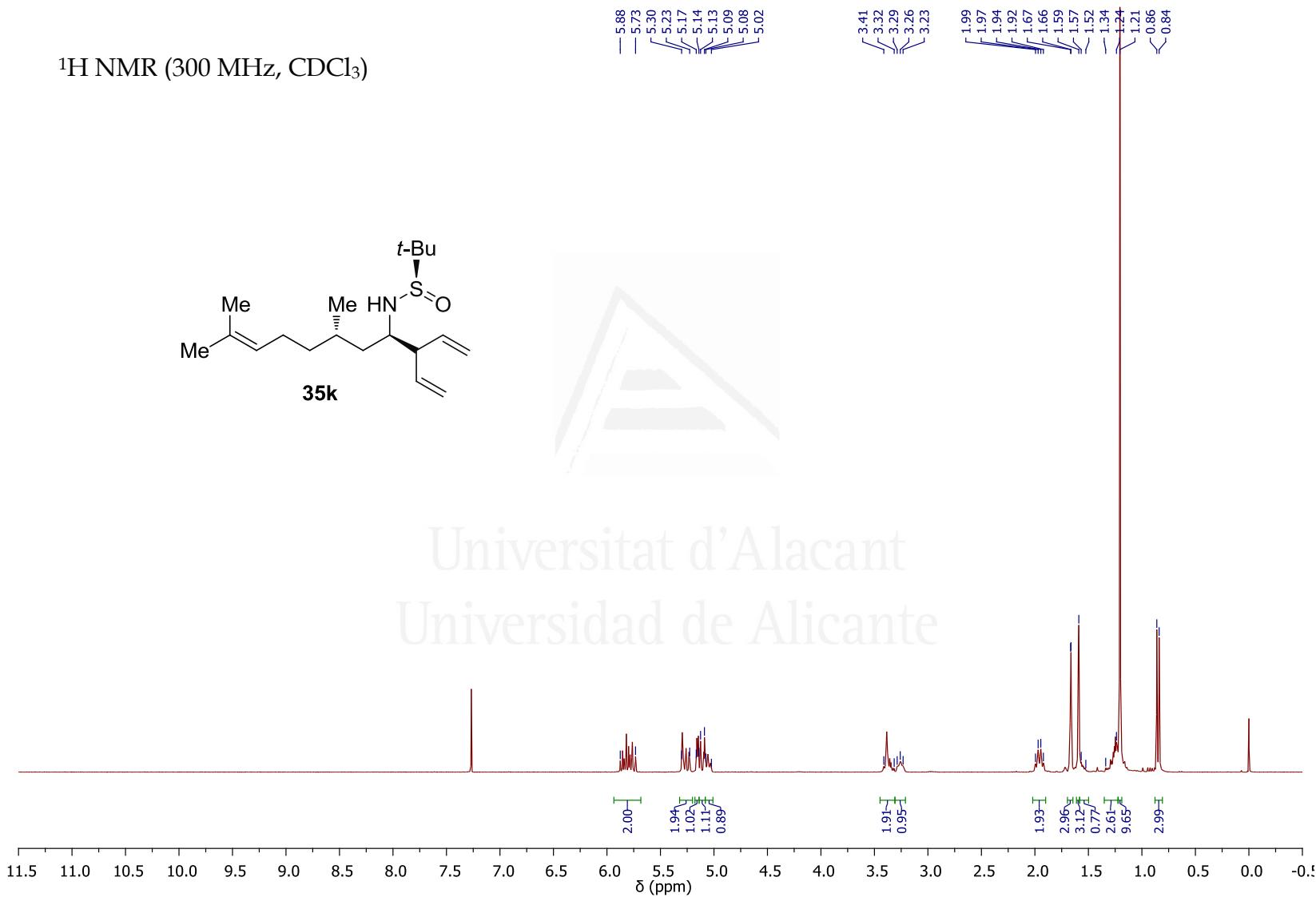
¹H NMR (300 MHz, CDCl₃)

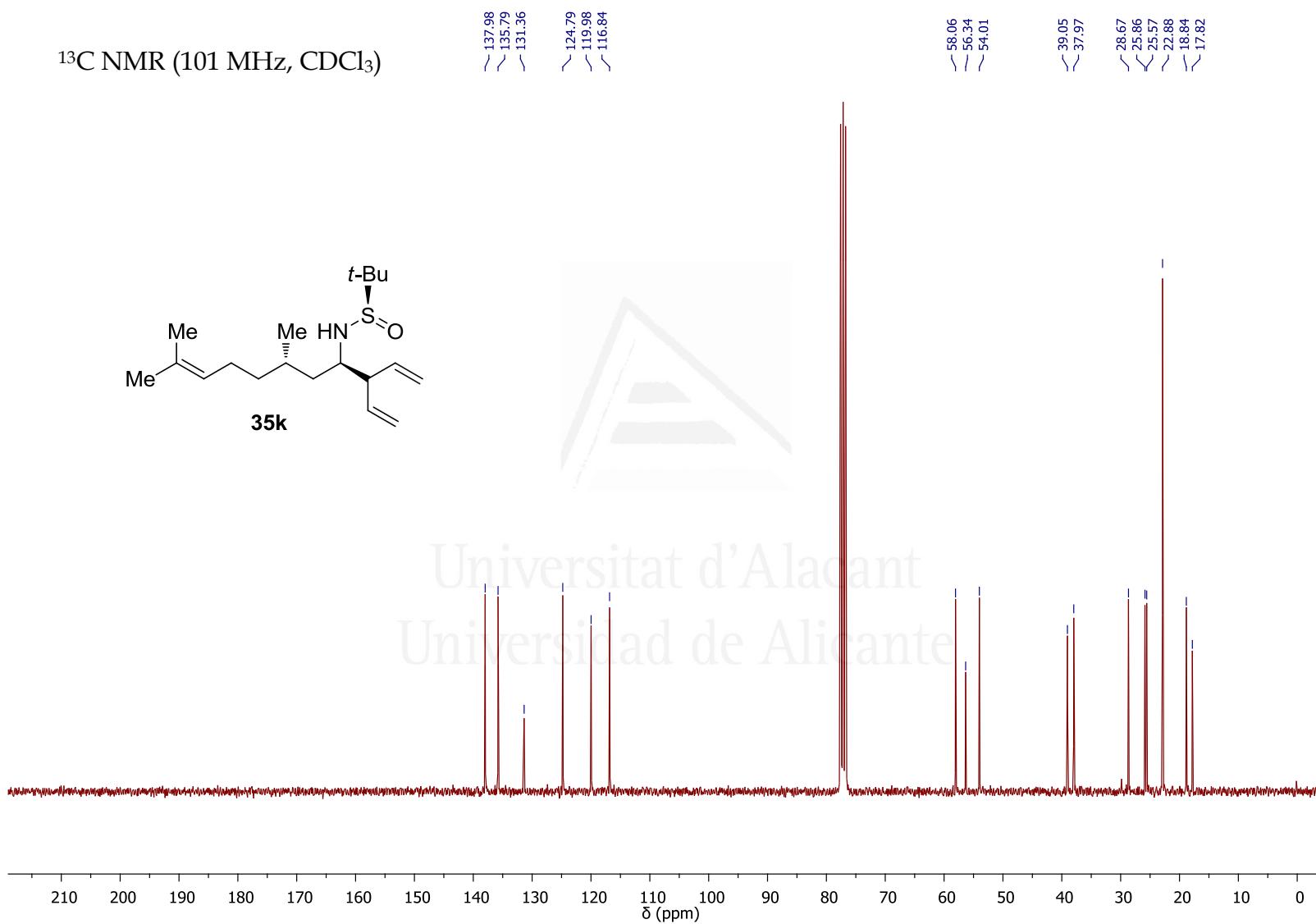


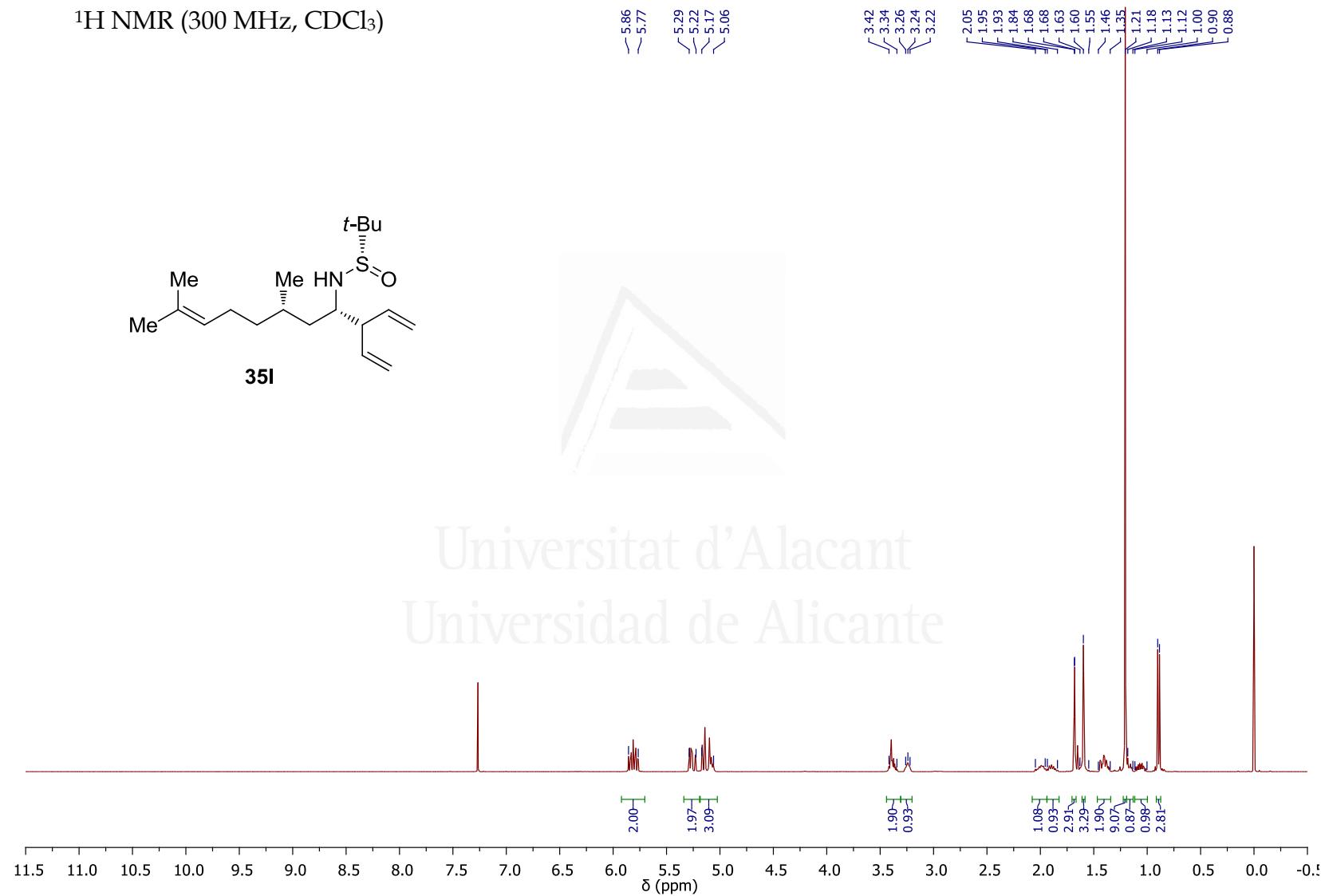


^{13}C NMR (101 MHz, CDCl_3)

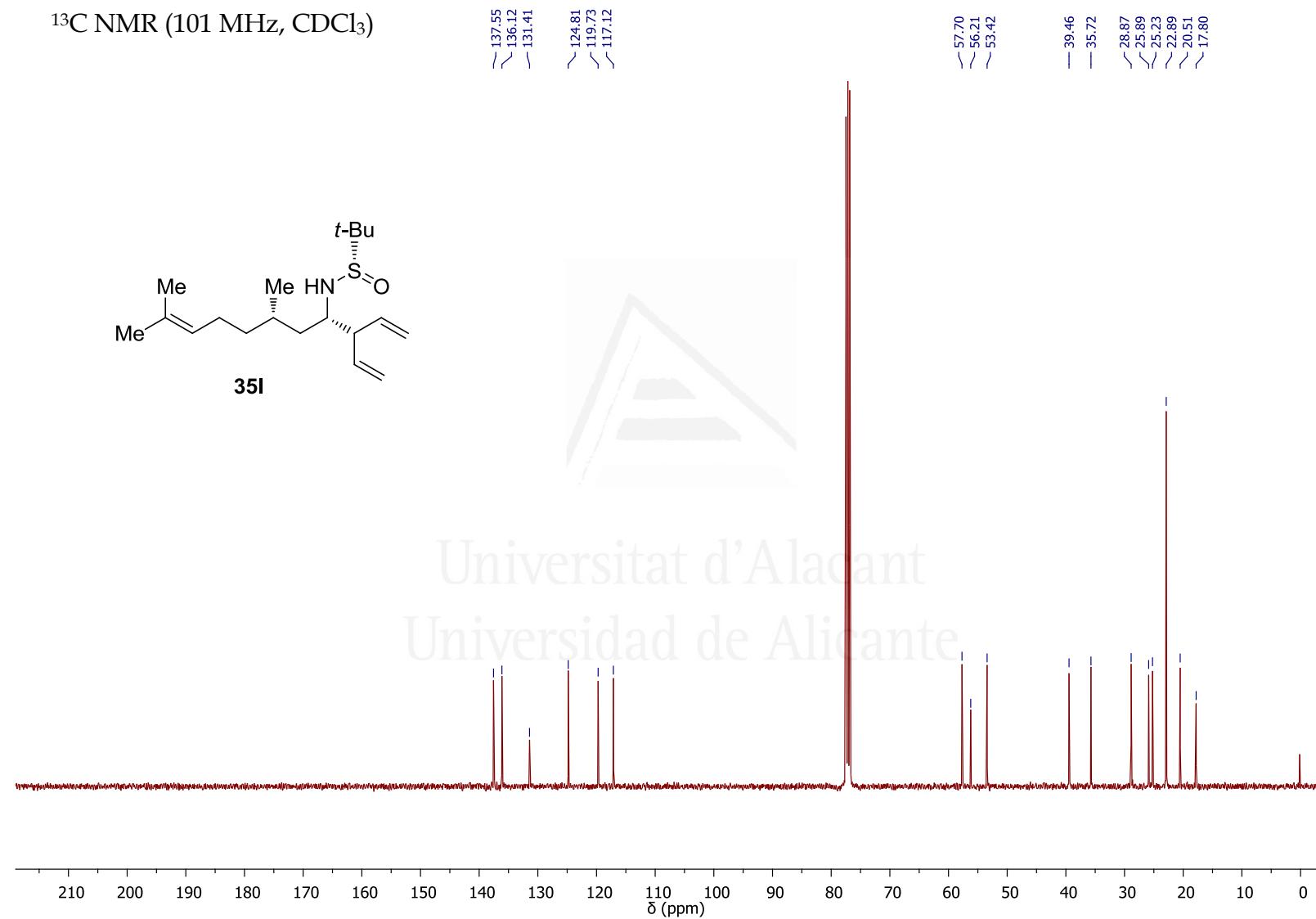




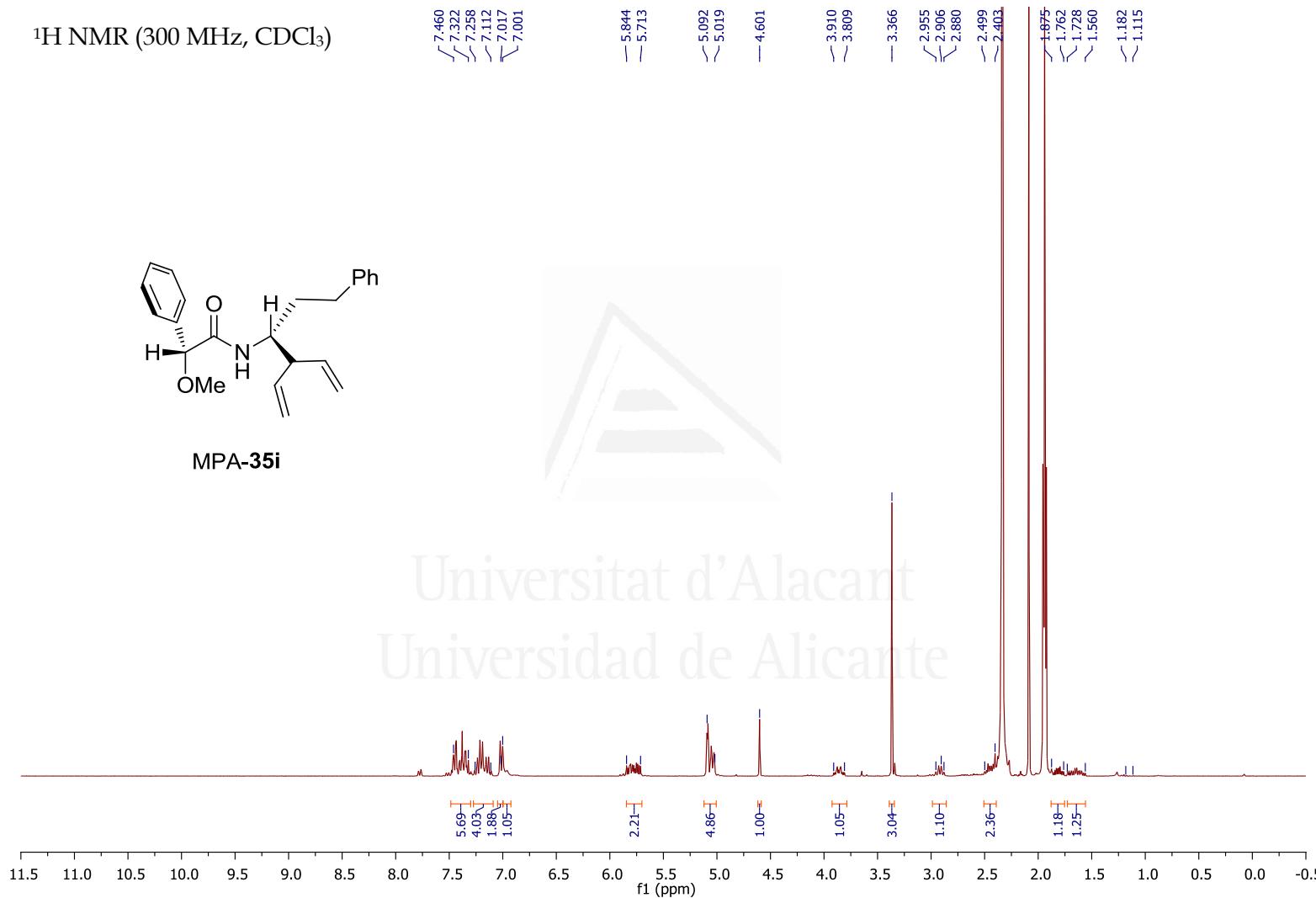




^{13}C NMR (101 MHz, CDCl_3)



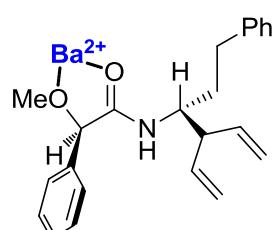
¹H NMR (300 MHz, CDCl₃)



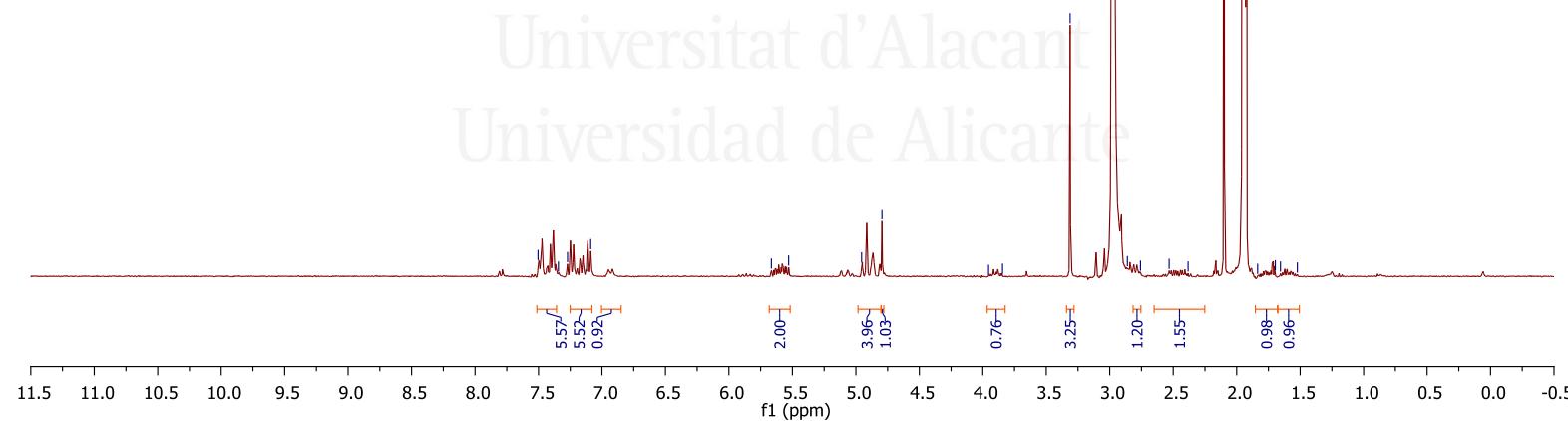
¹H NMR (300 MHz, CDCl₃)

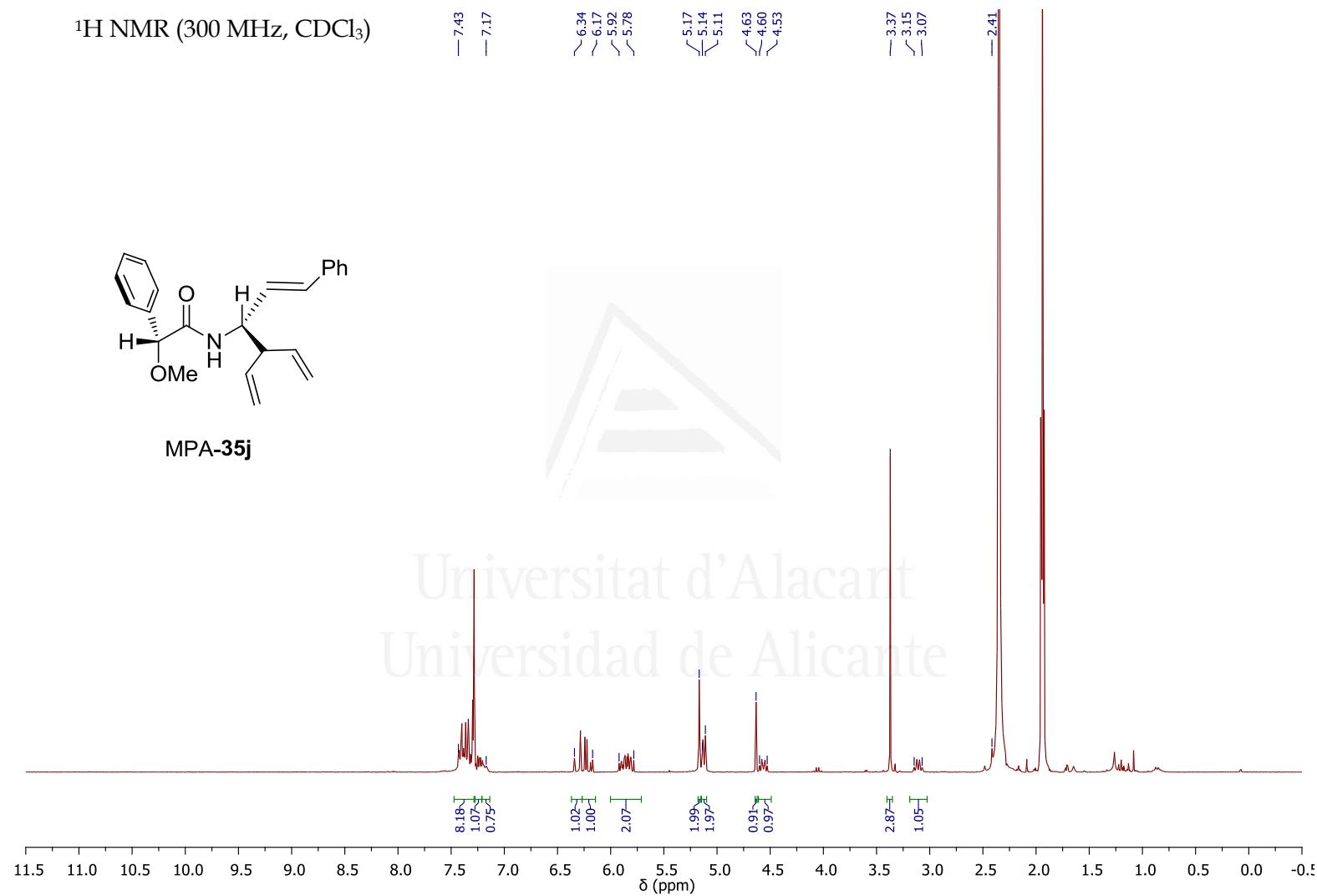
In the presence of Ba(ClO₄)₂

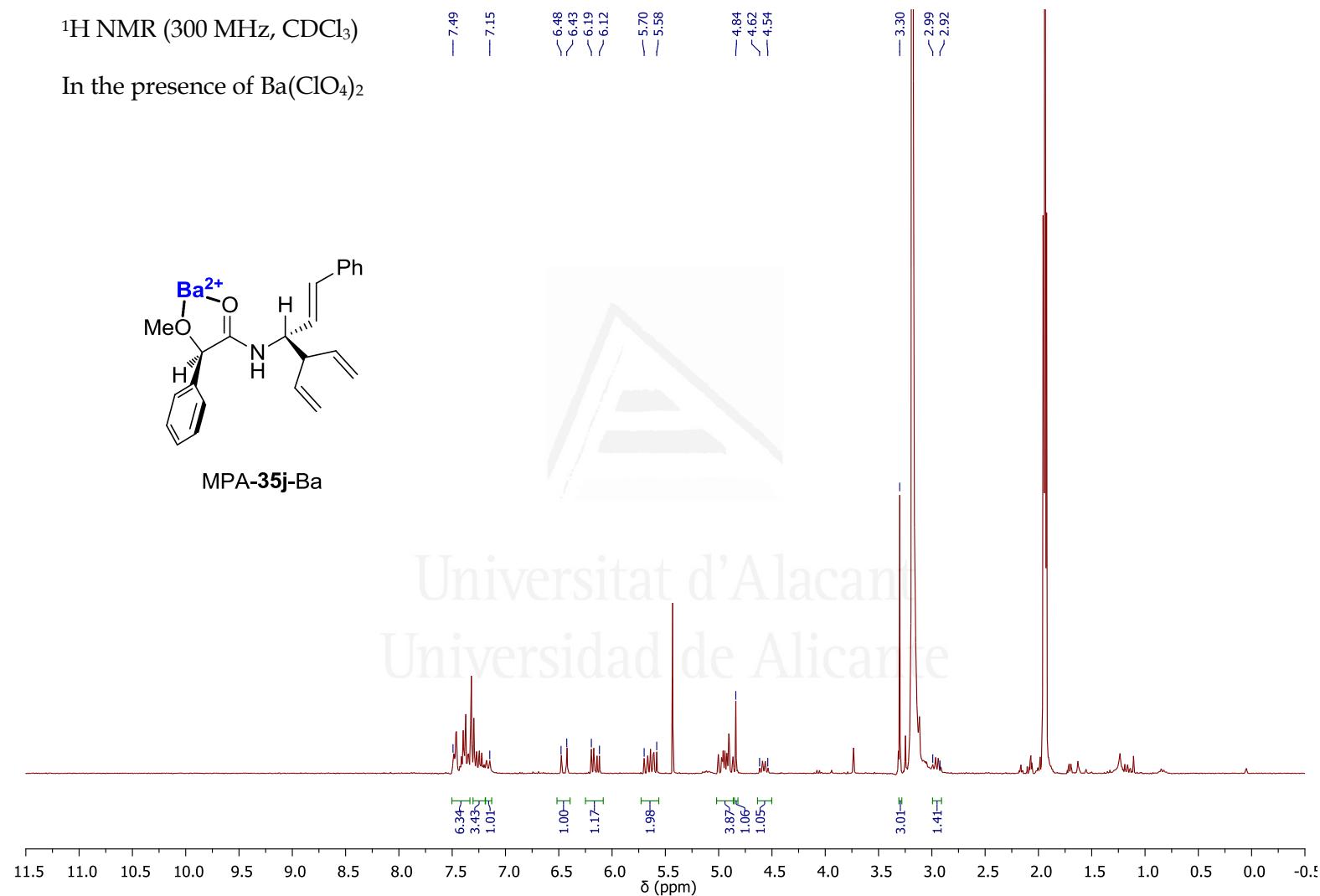
Chemical shifts (δ , ppm): 7.504, 7.343, 7.272, 7.089, 5.665, 5.530, 4.955, 4.794, 3.954, 3.844, 3.312, 2.861, 2.758, 2.532, 2.383, 1.833, 1.696, 1.655, 1.522.

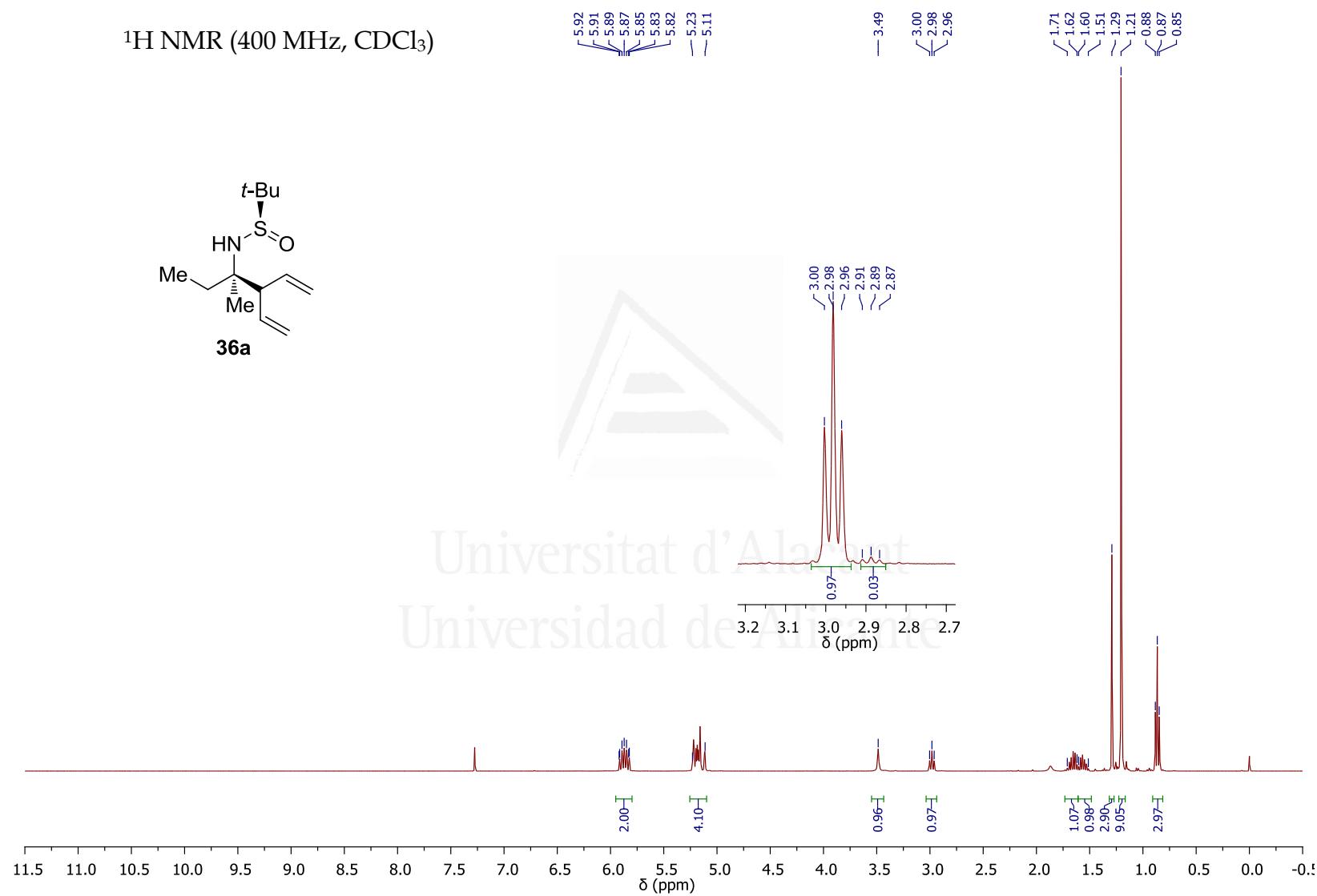


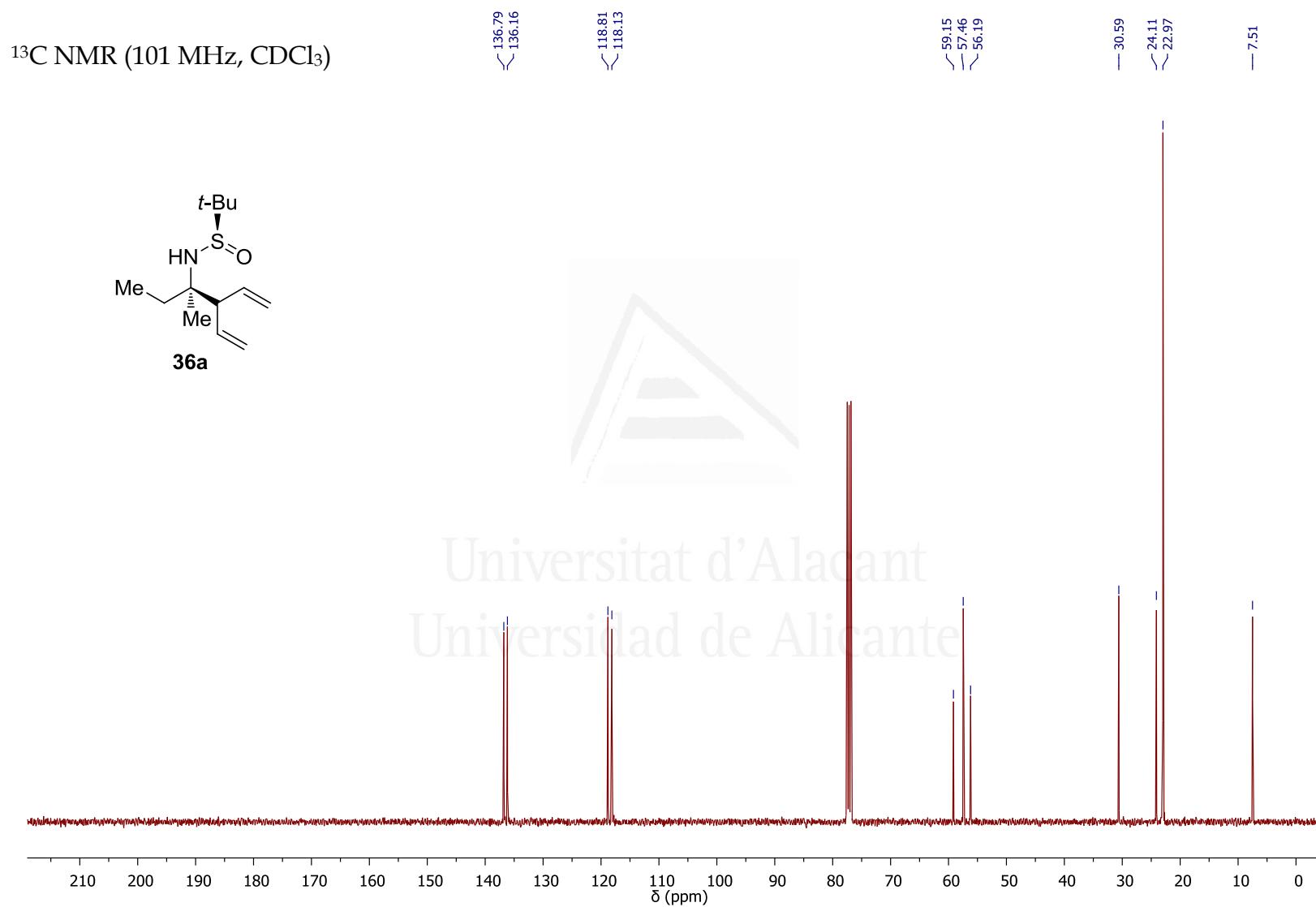
MPA-35i-Ba

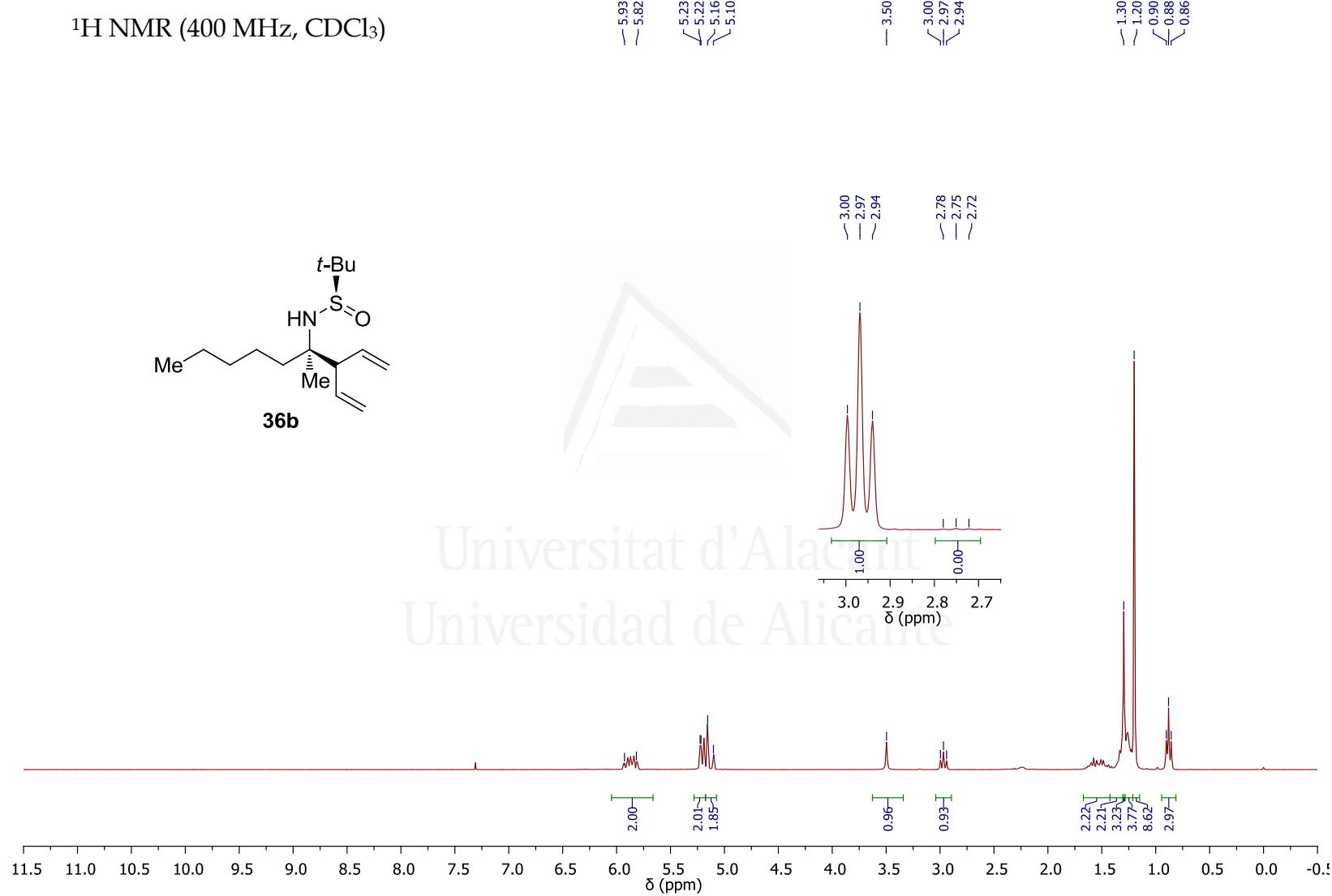




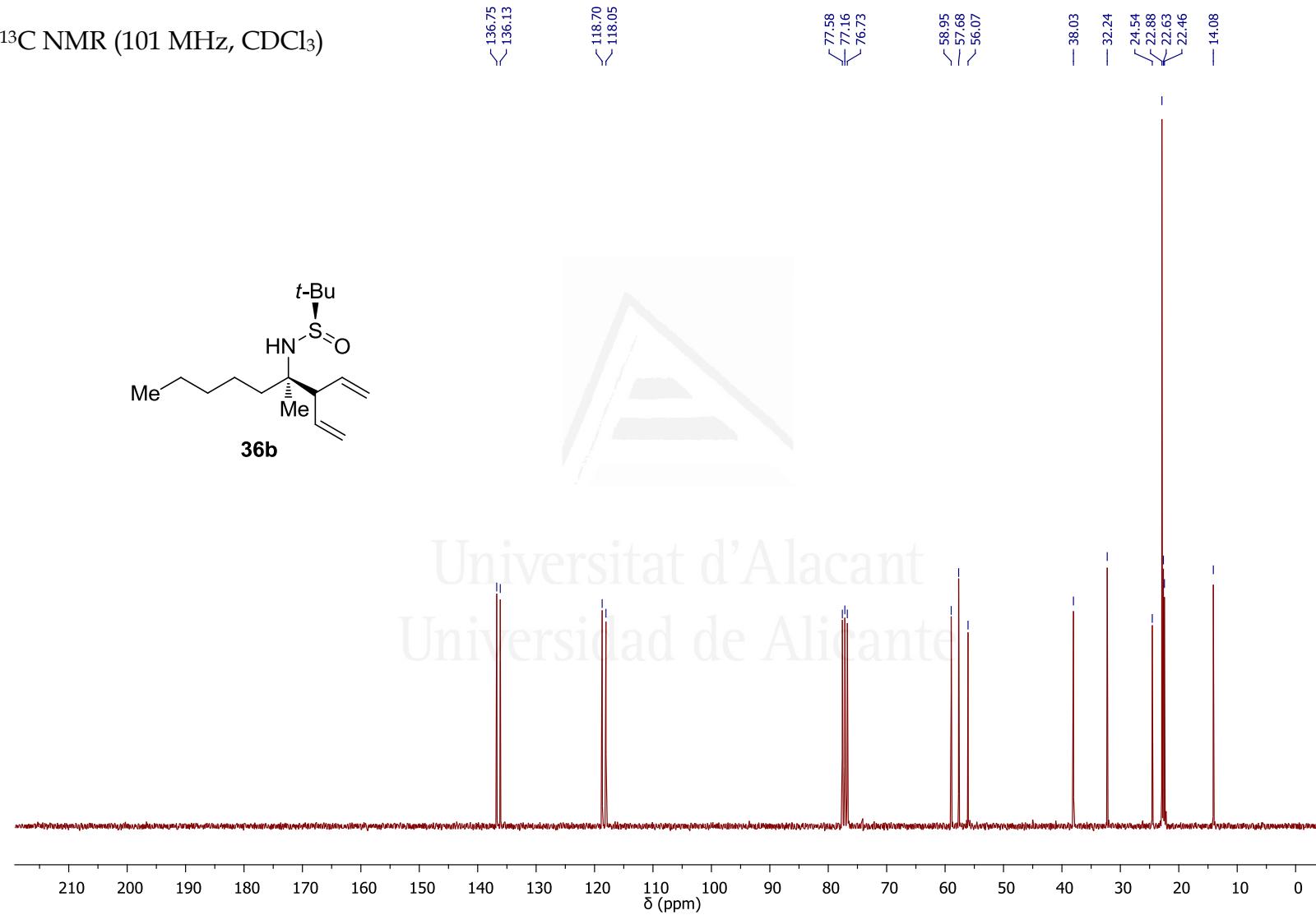




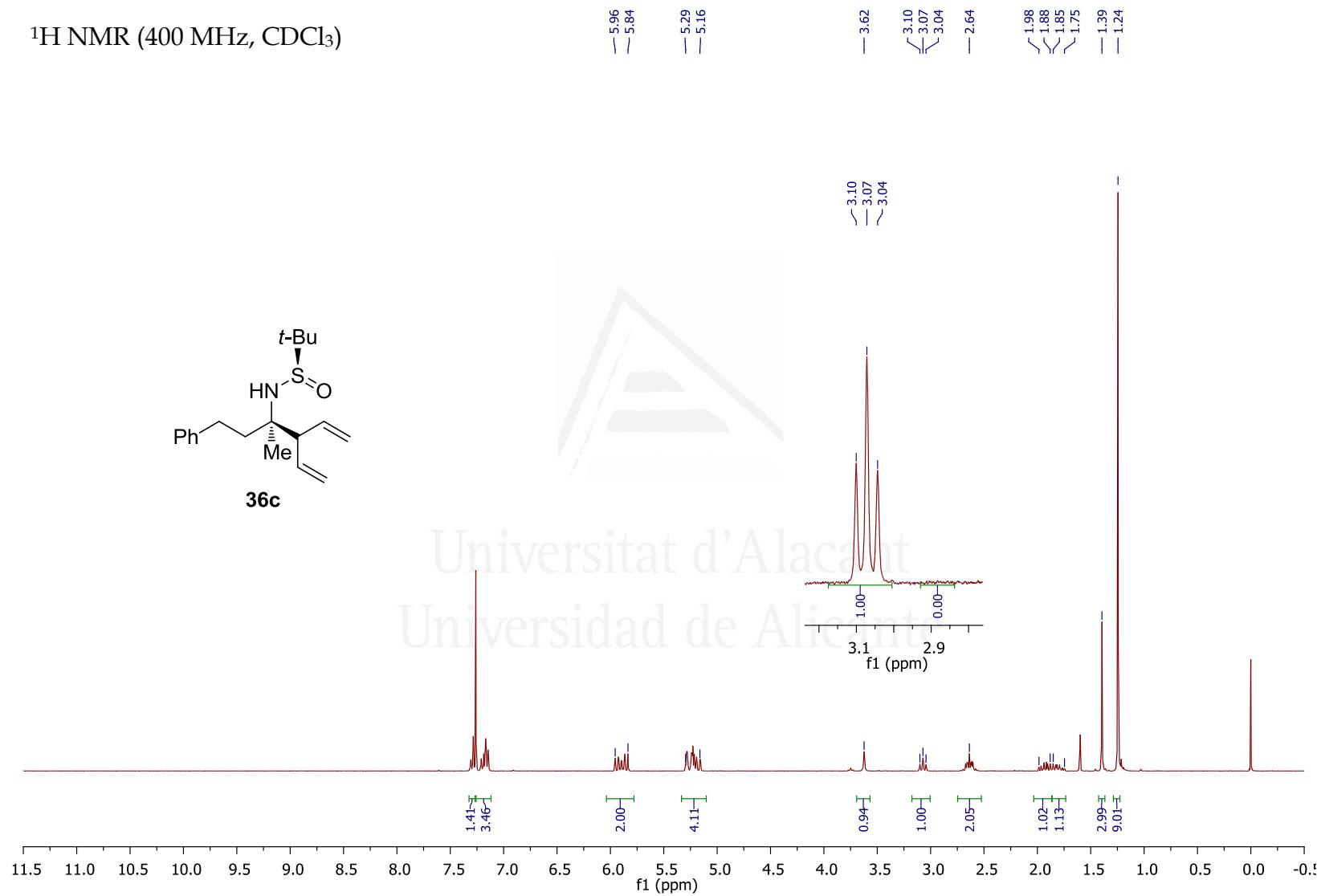
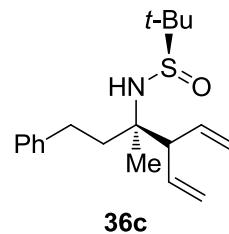




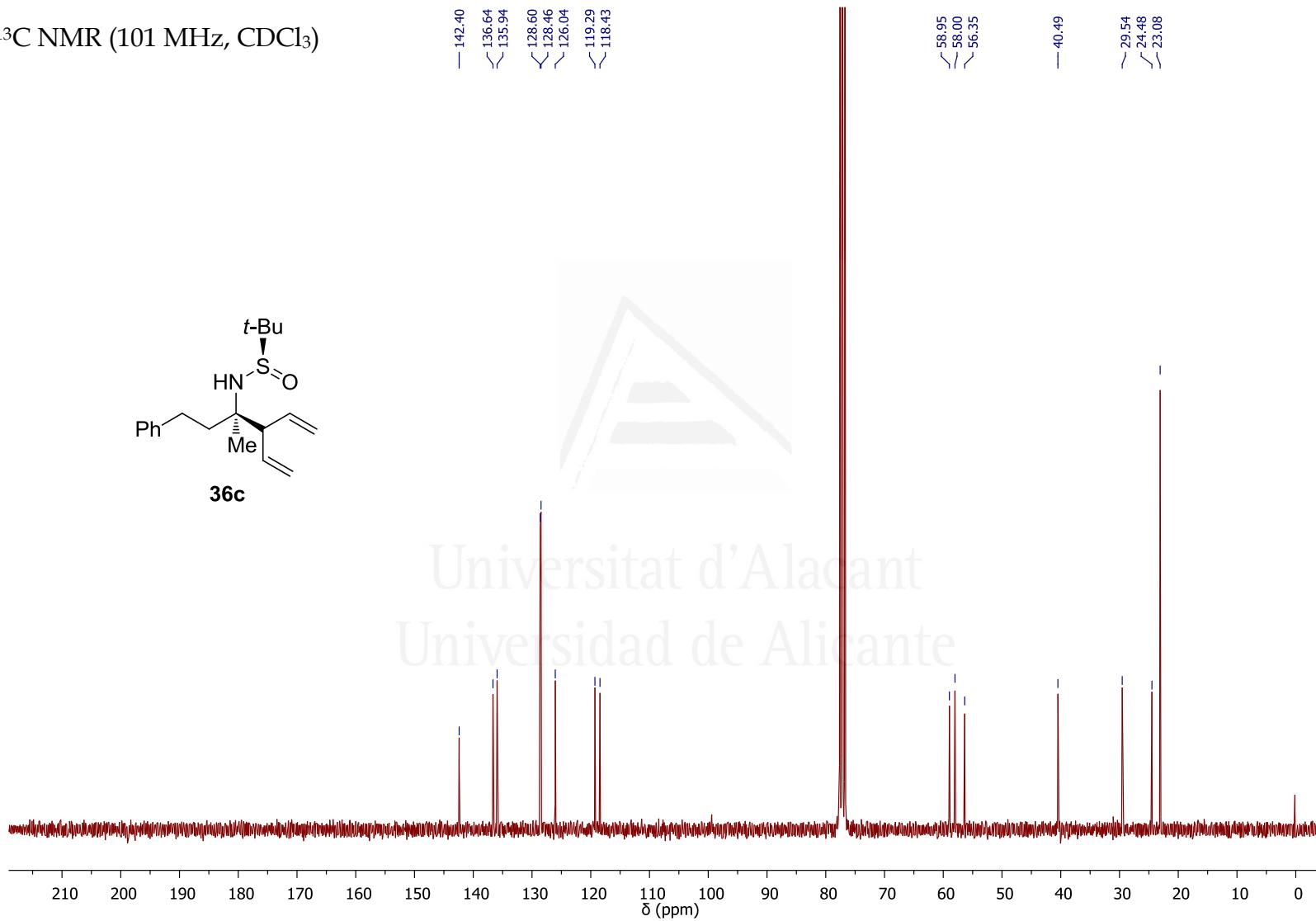
^{13}C NMR (101 MHz, CDCl_3)

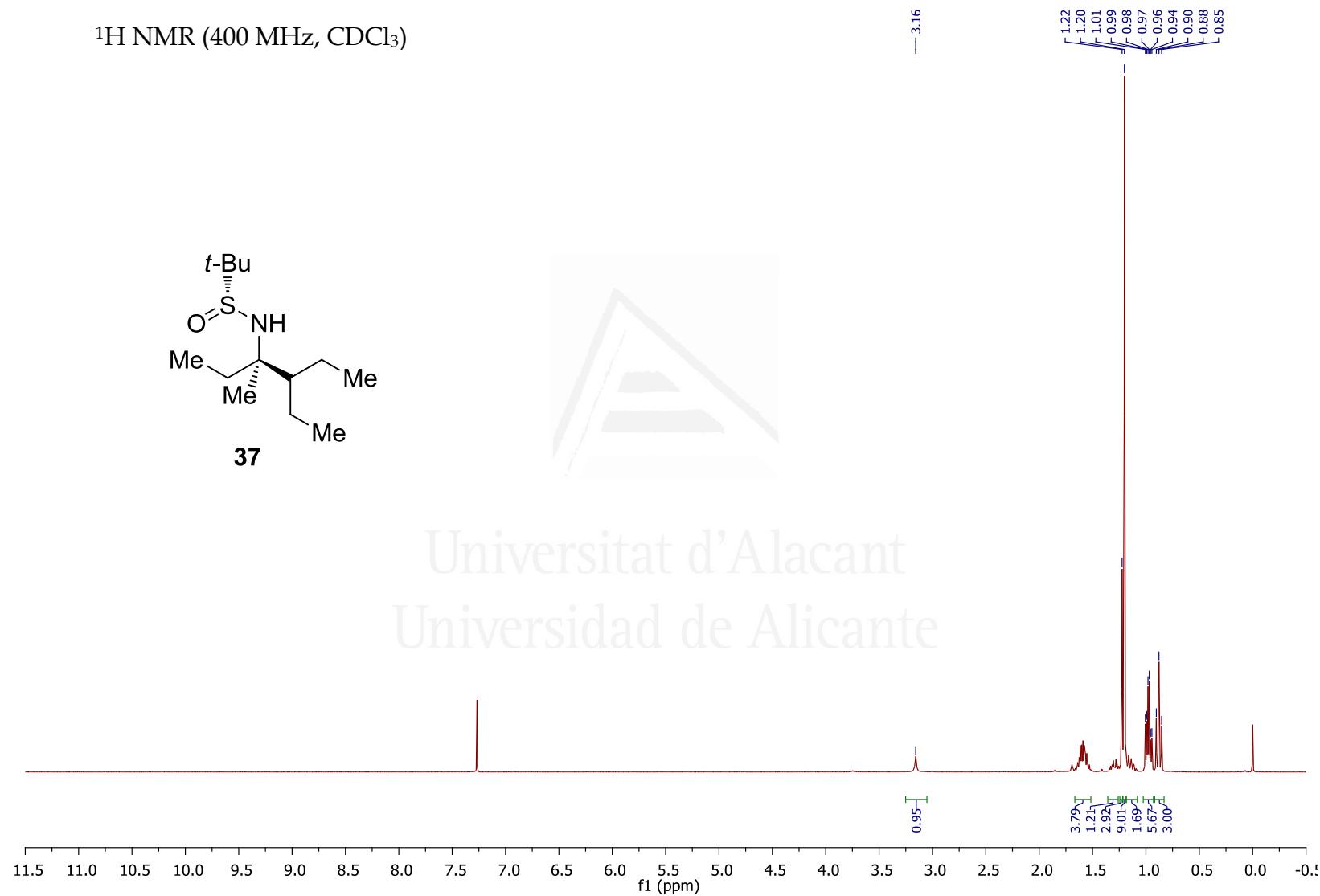


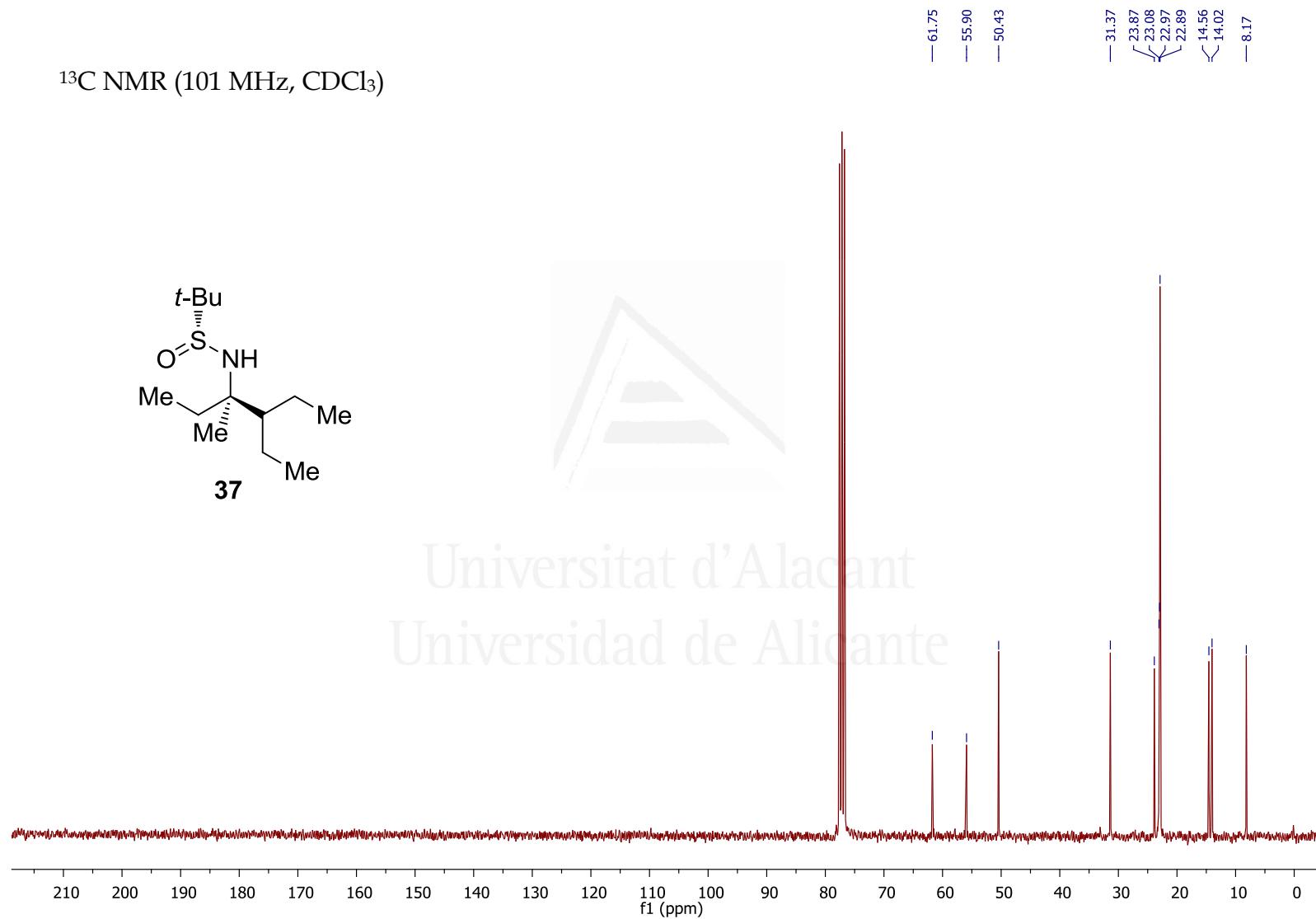
¹H NMR (400 MHz, CDCl₃)

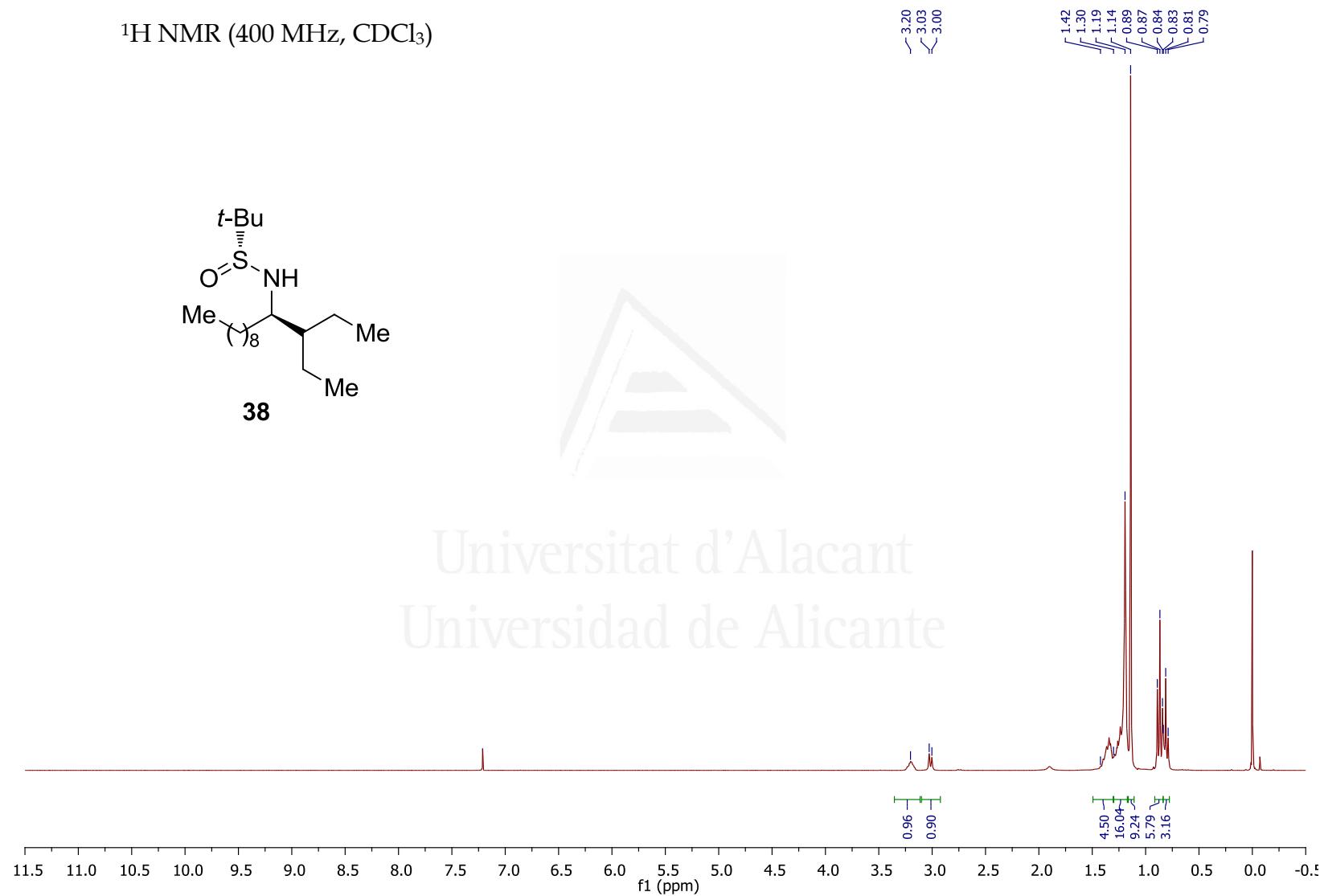


^{13}C NMR (101 MHz, CDCl_3)

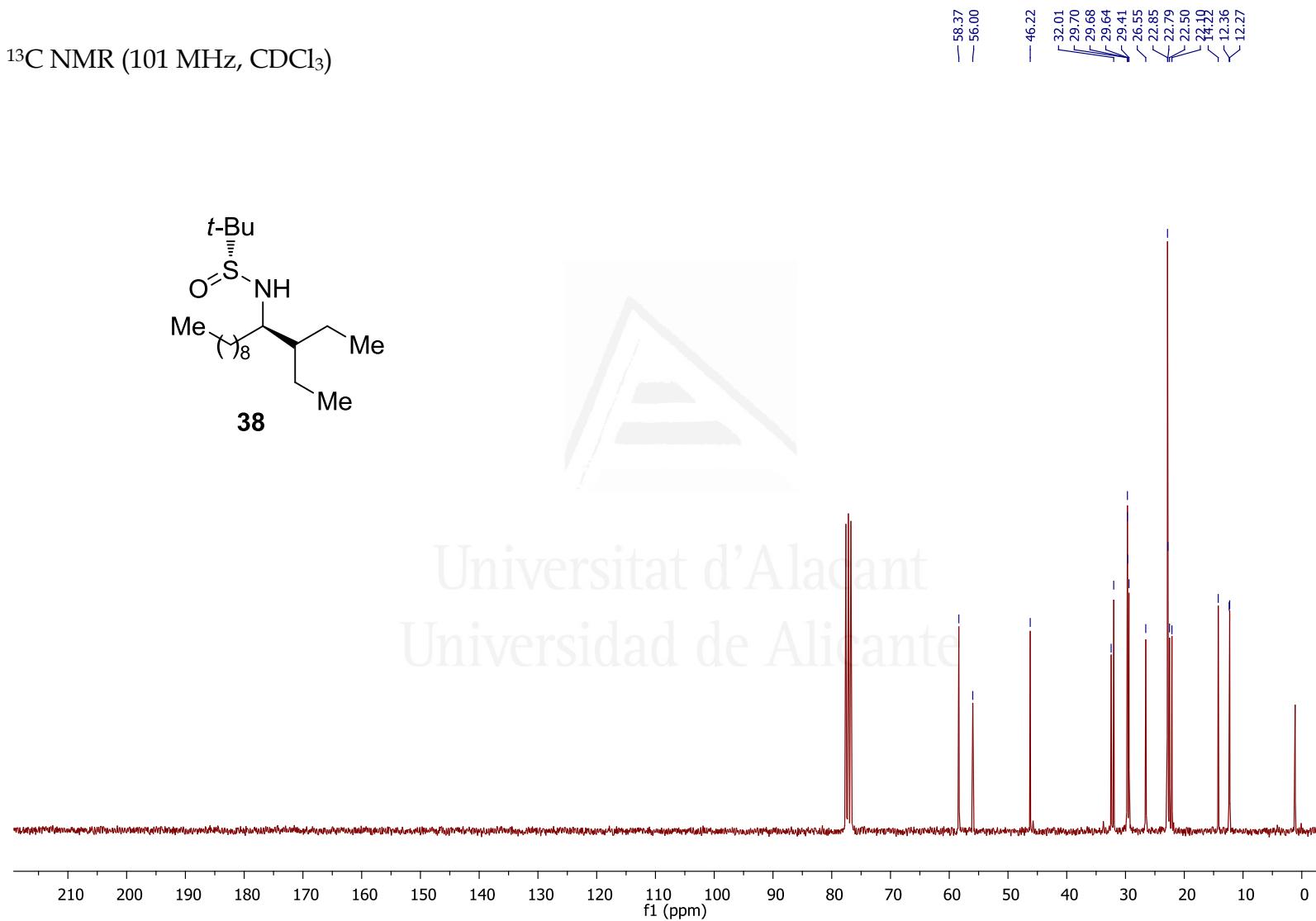


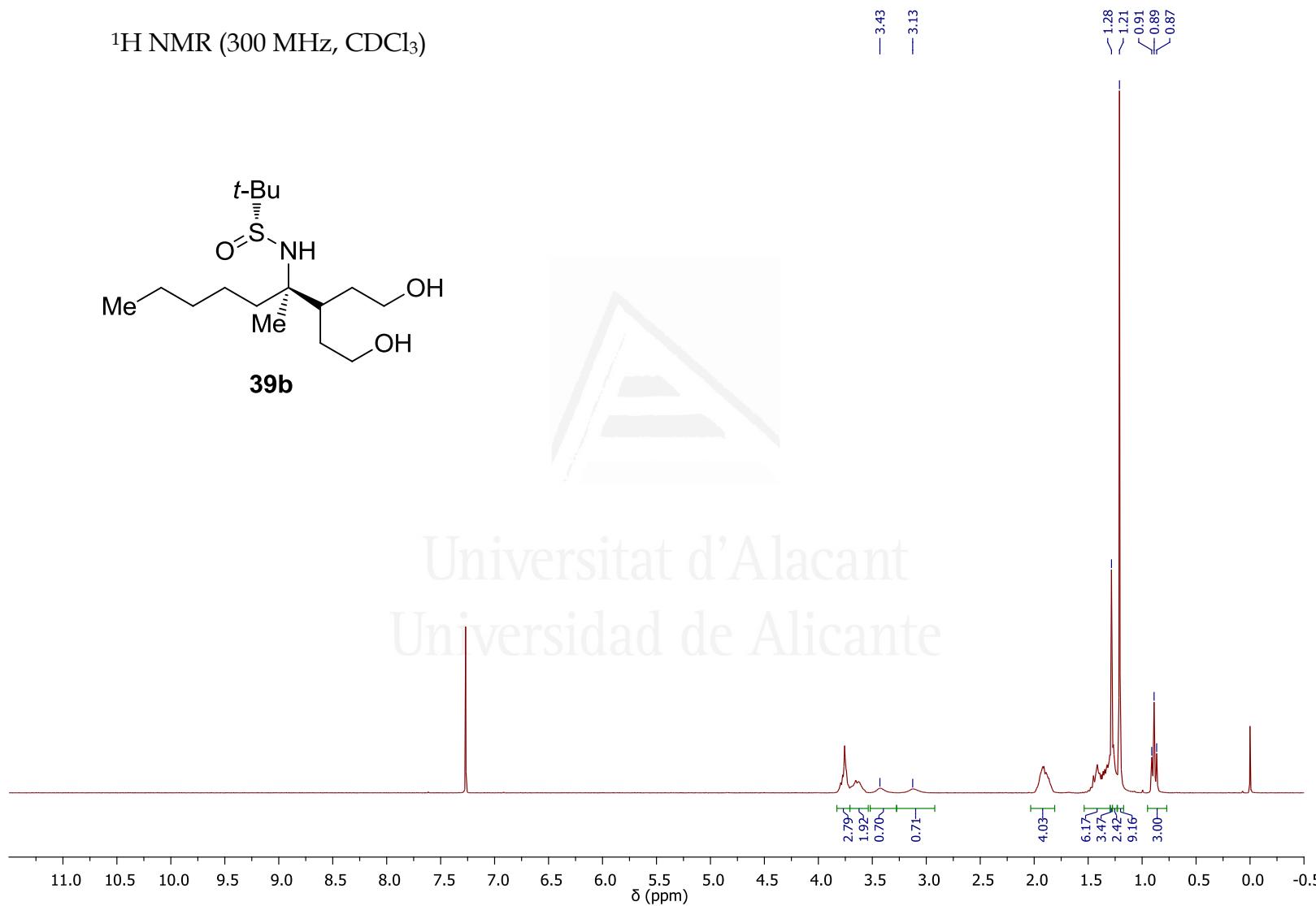




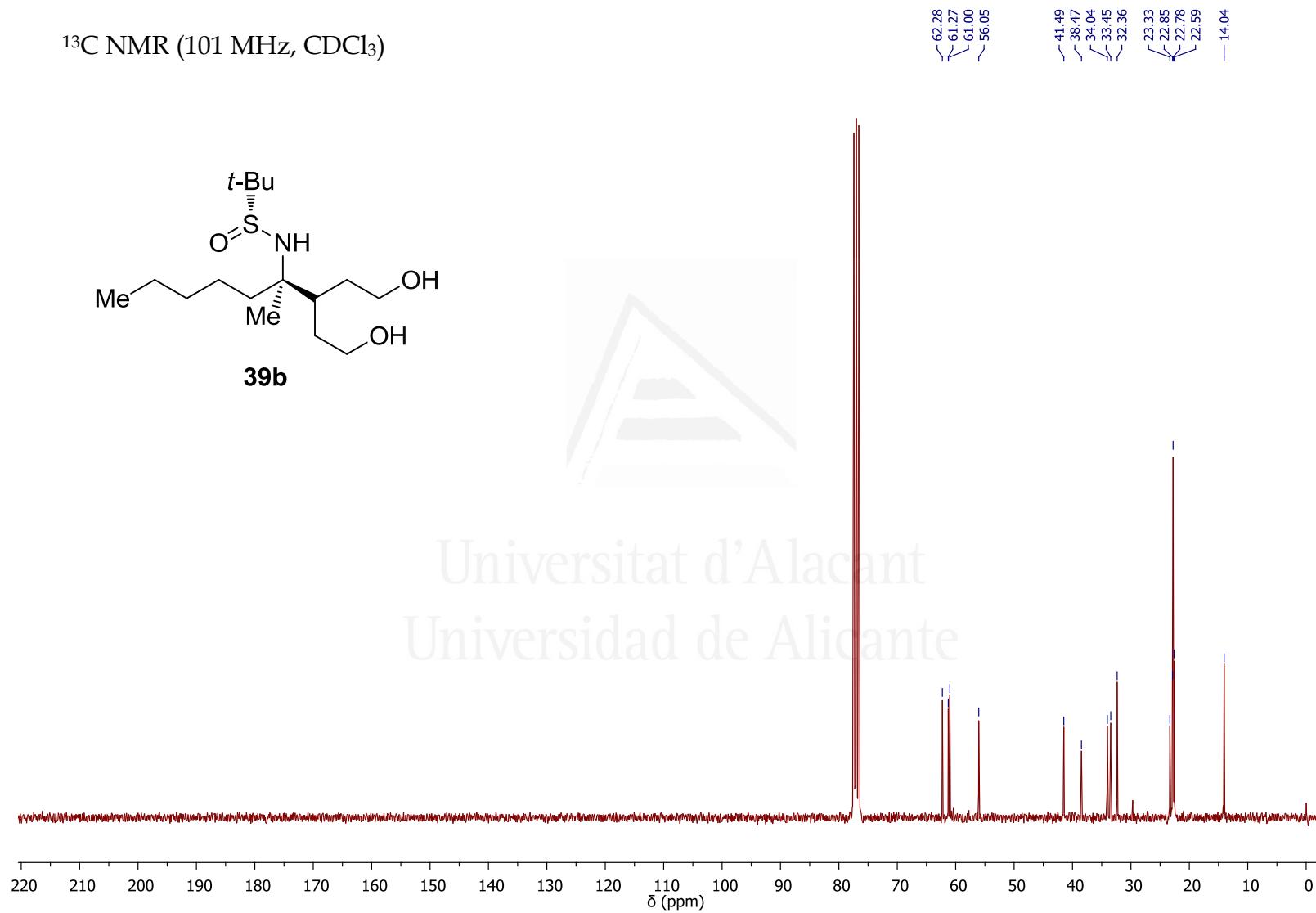
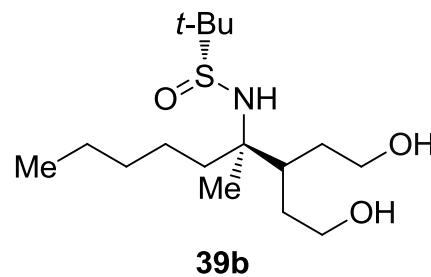


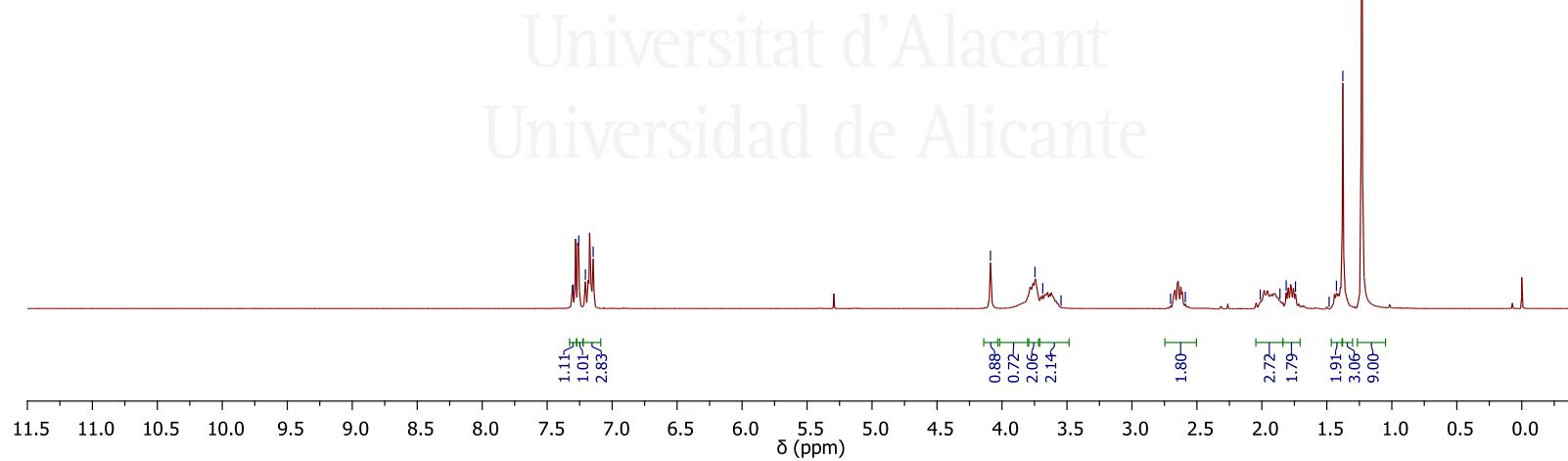
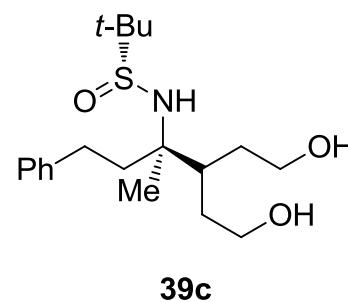
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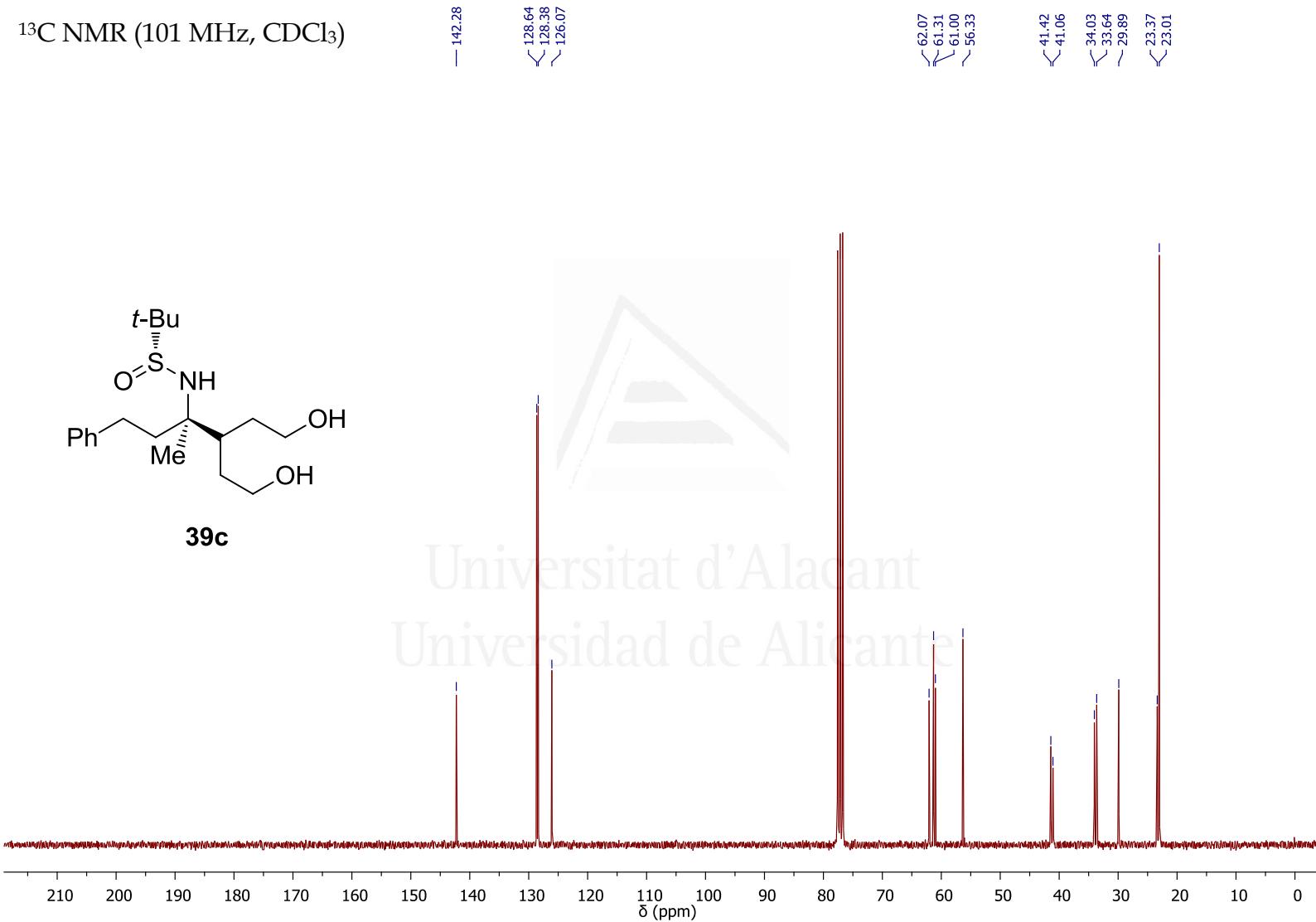
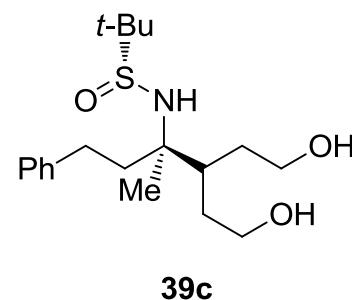


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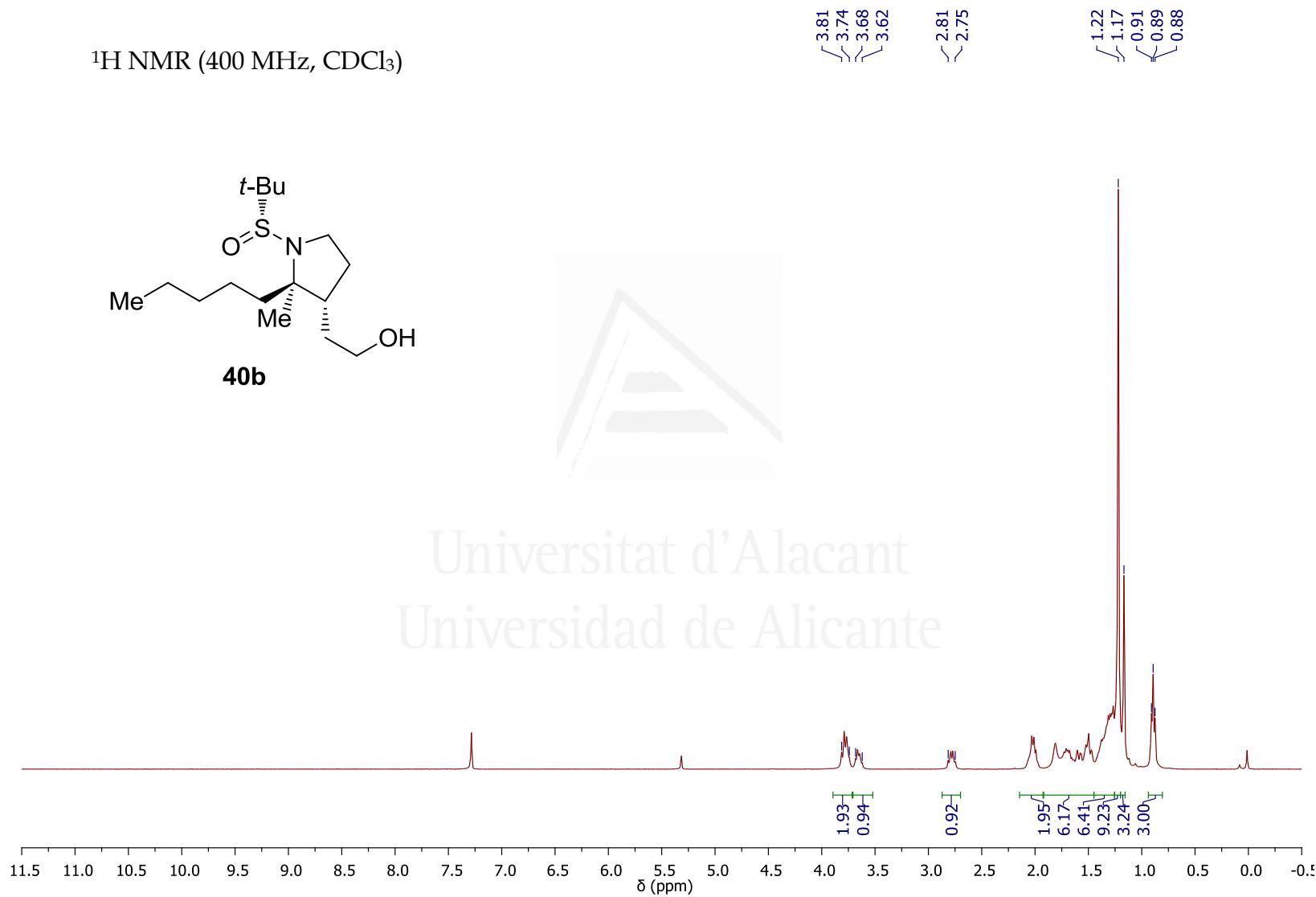




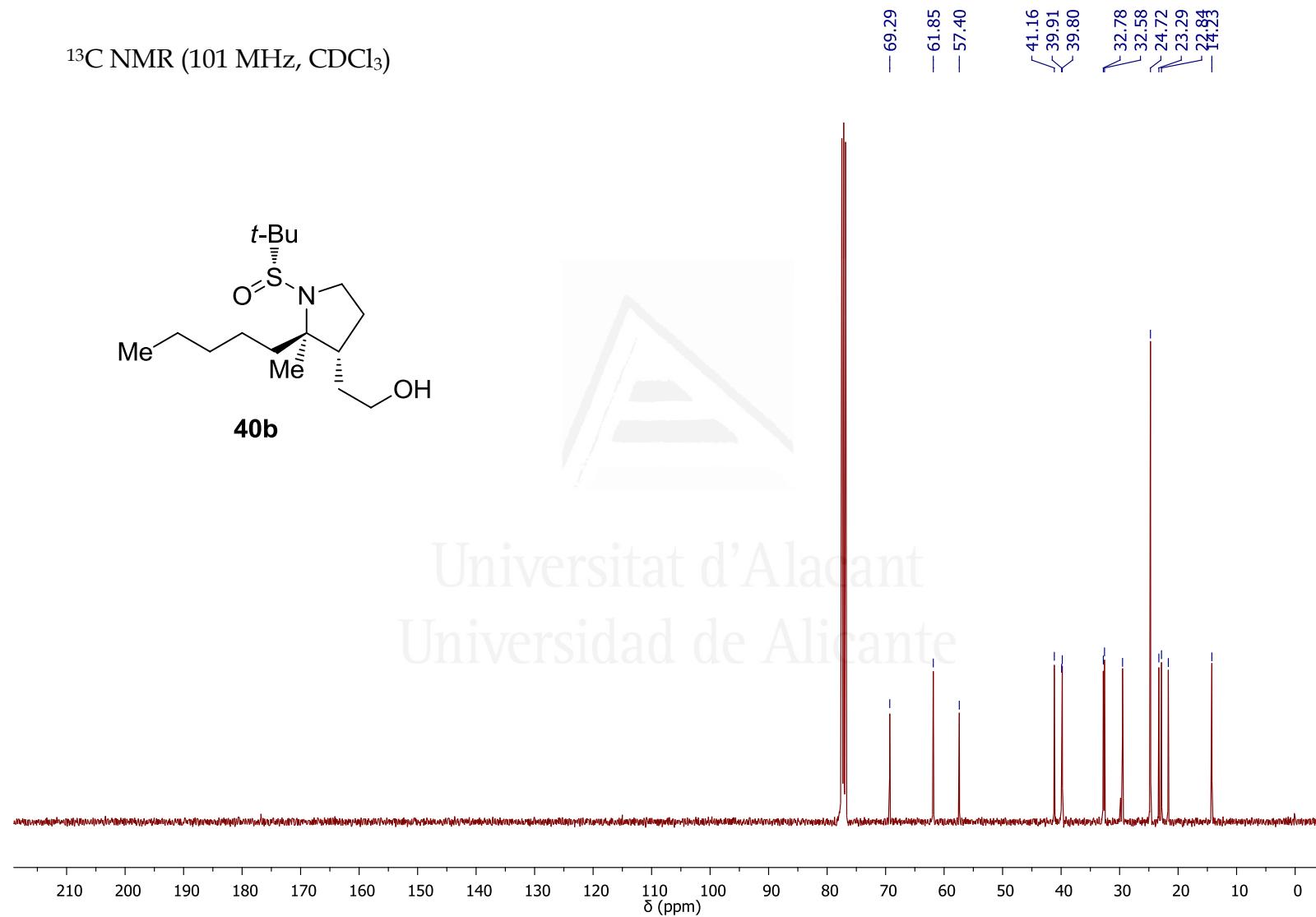
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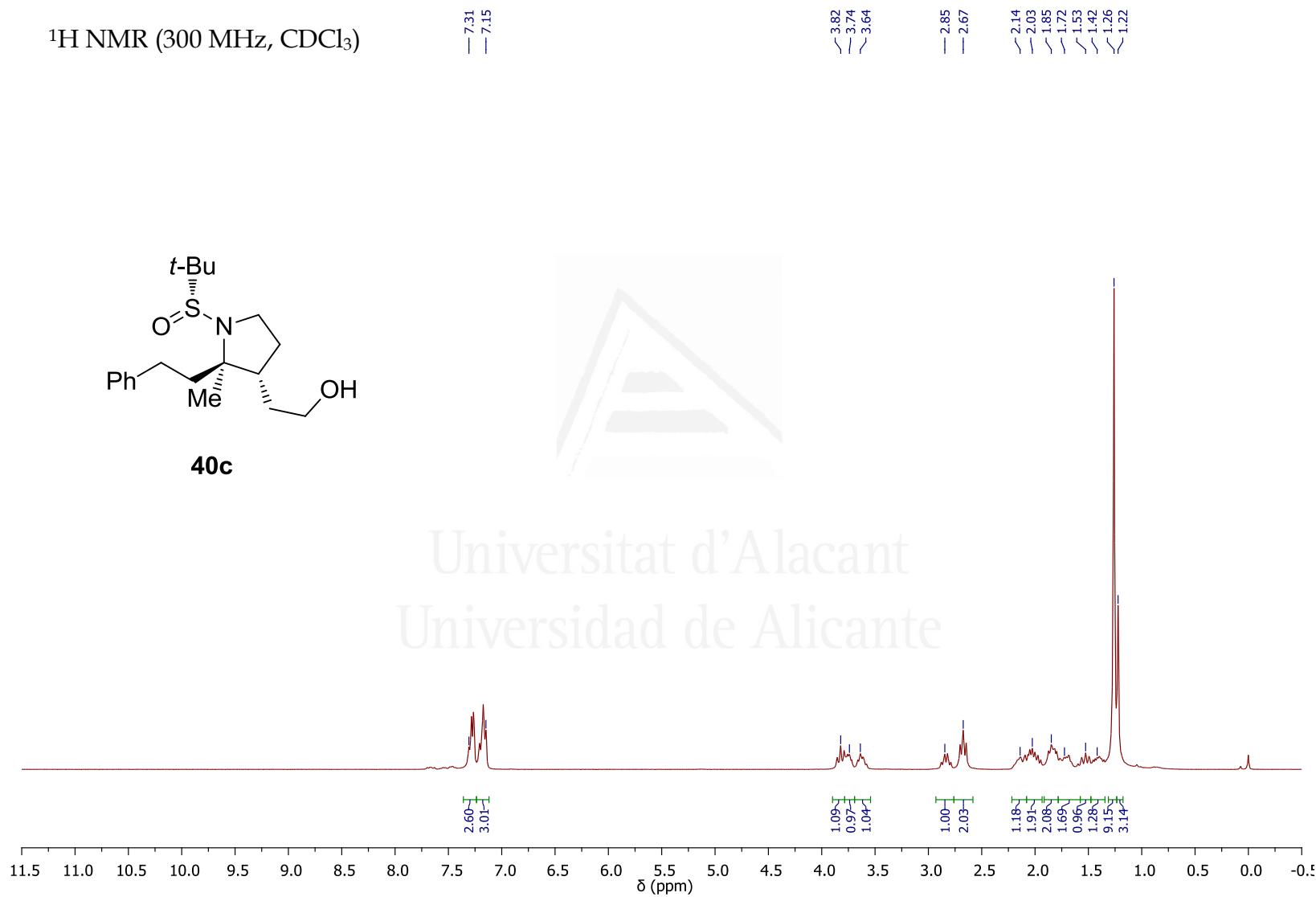
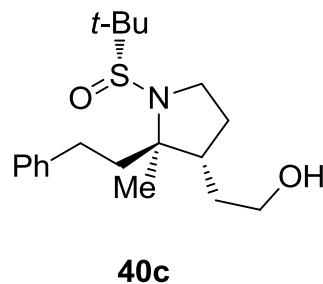


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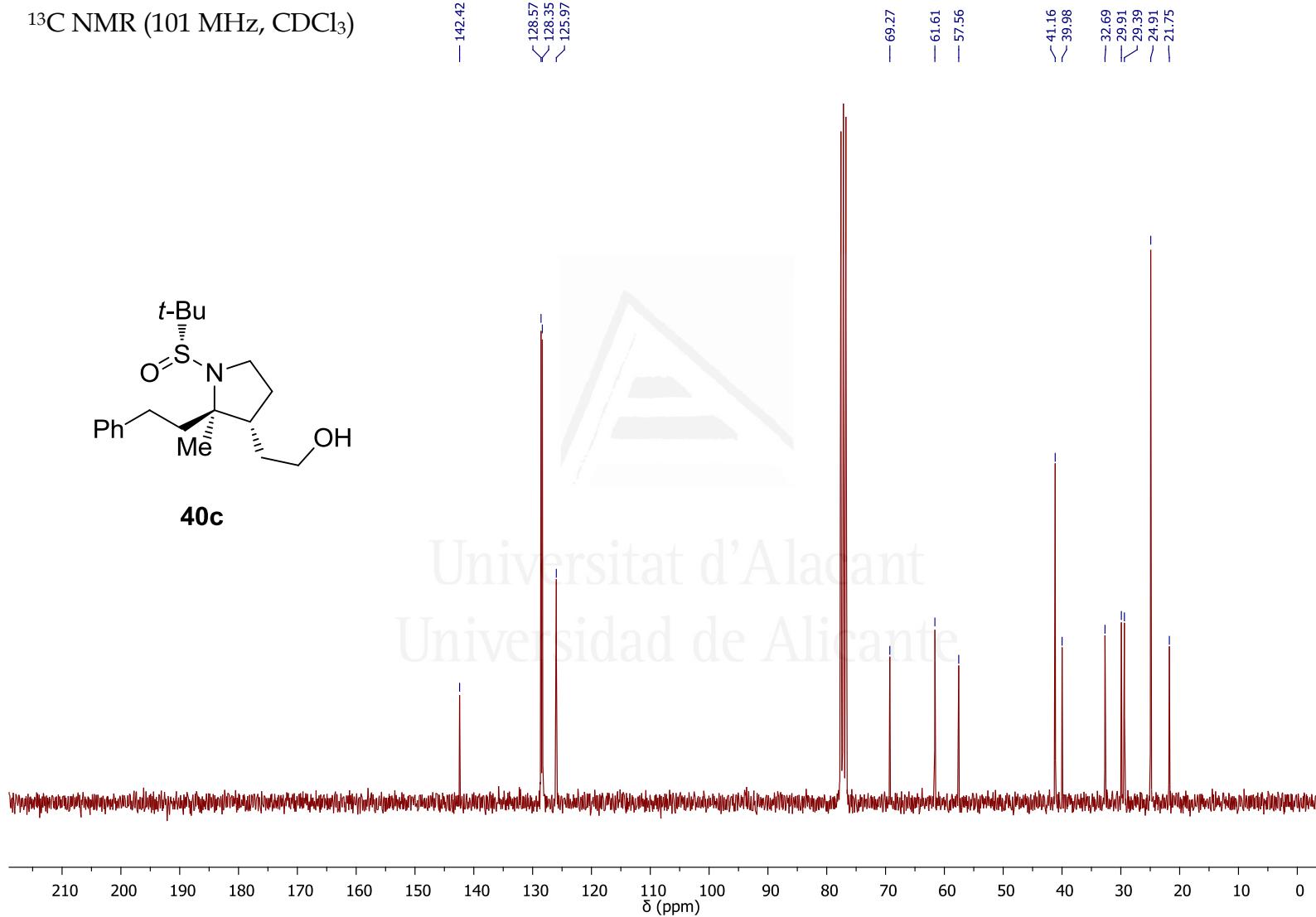


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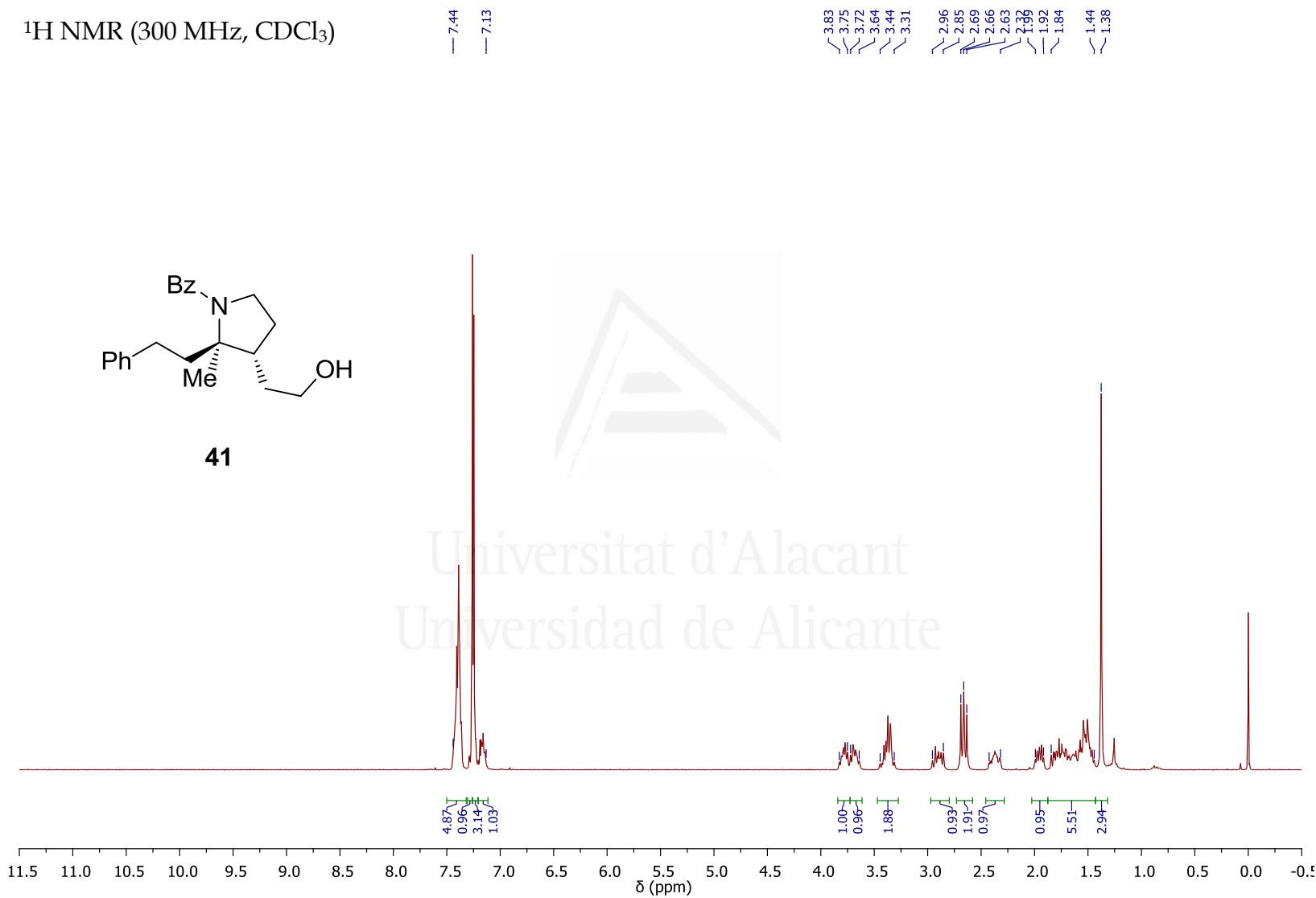


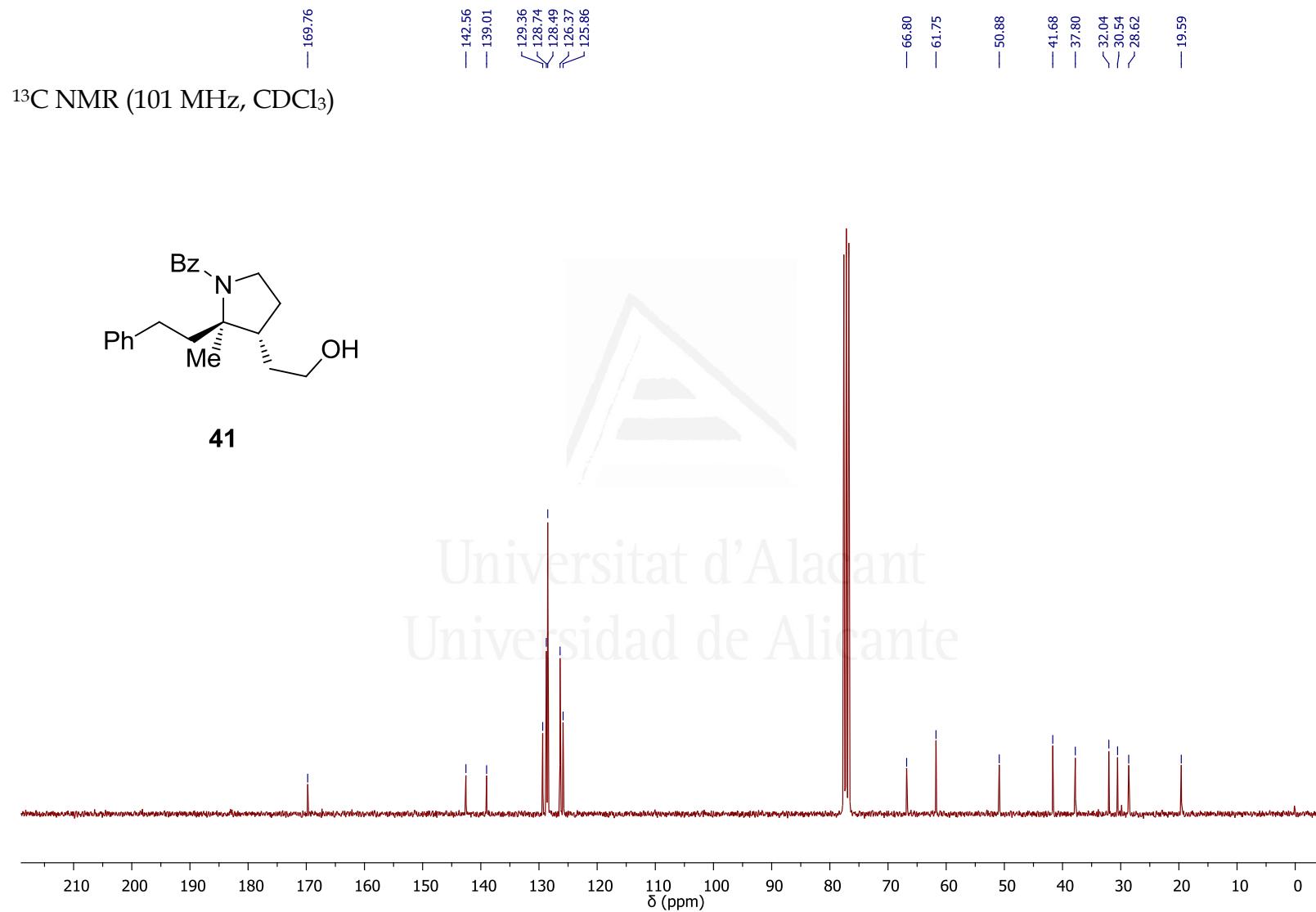
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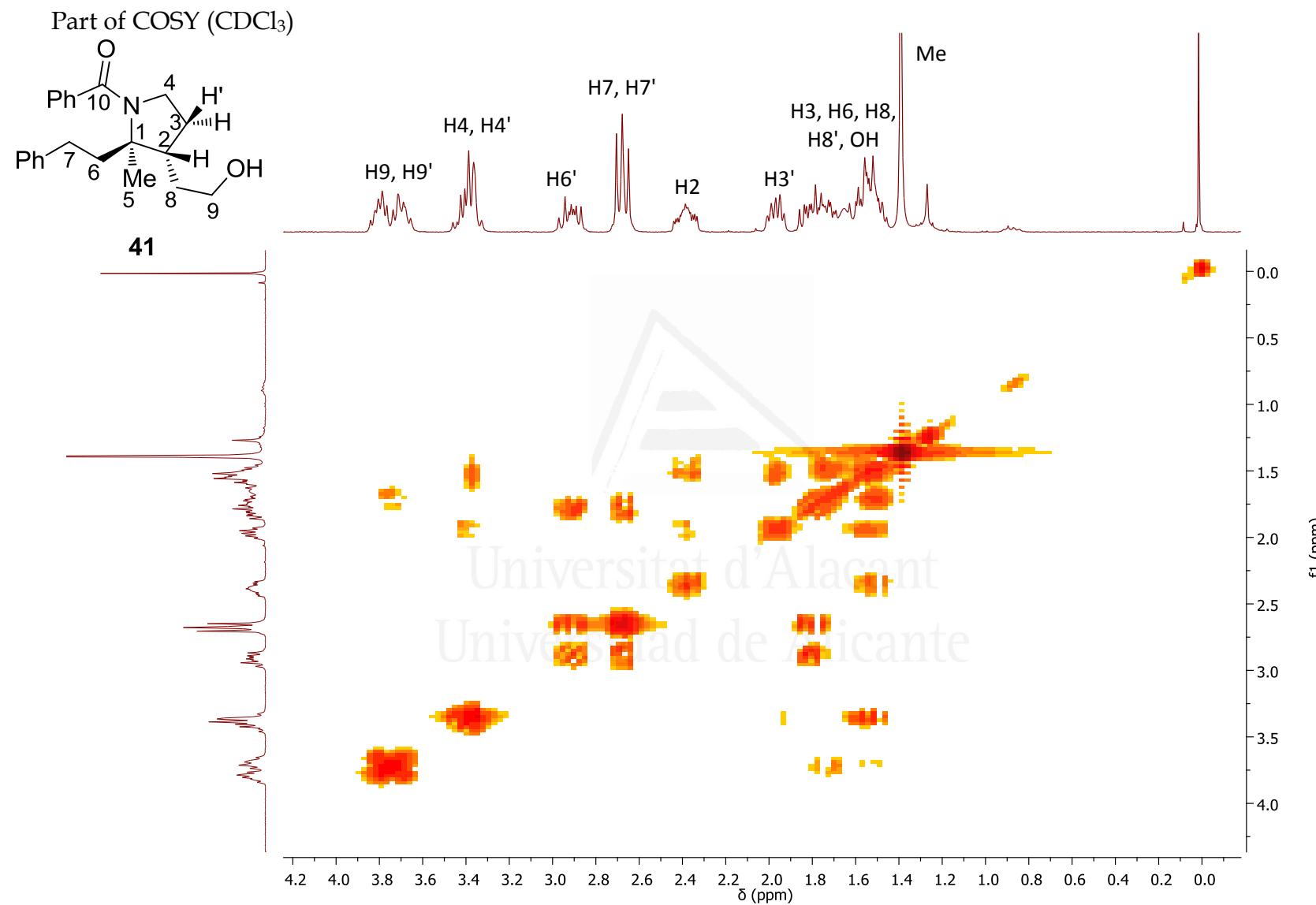
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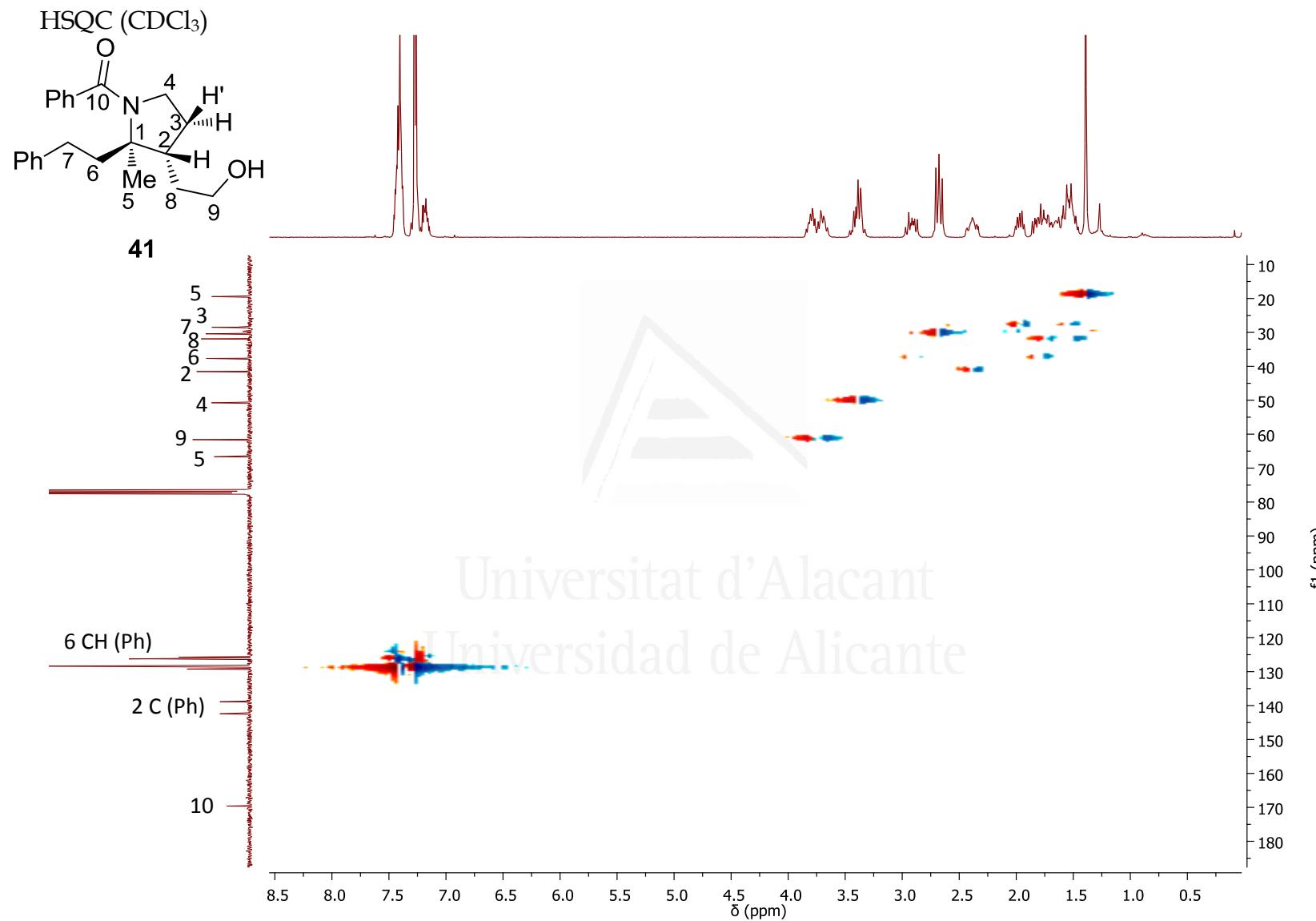


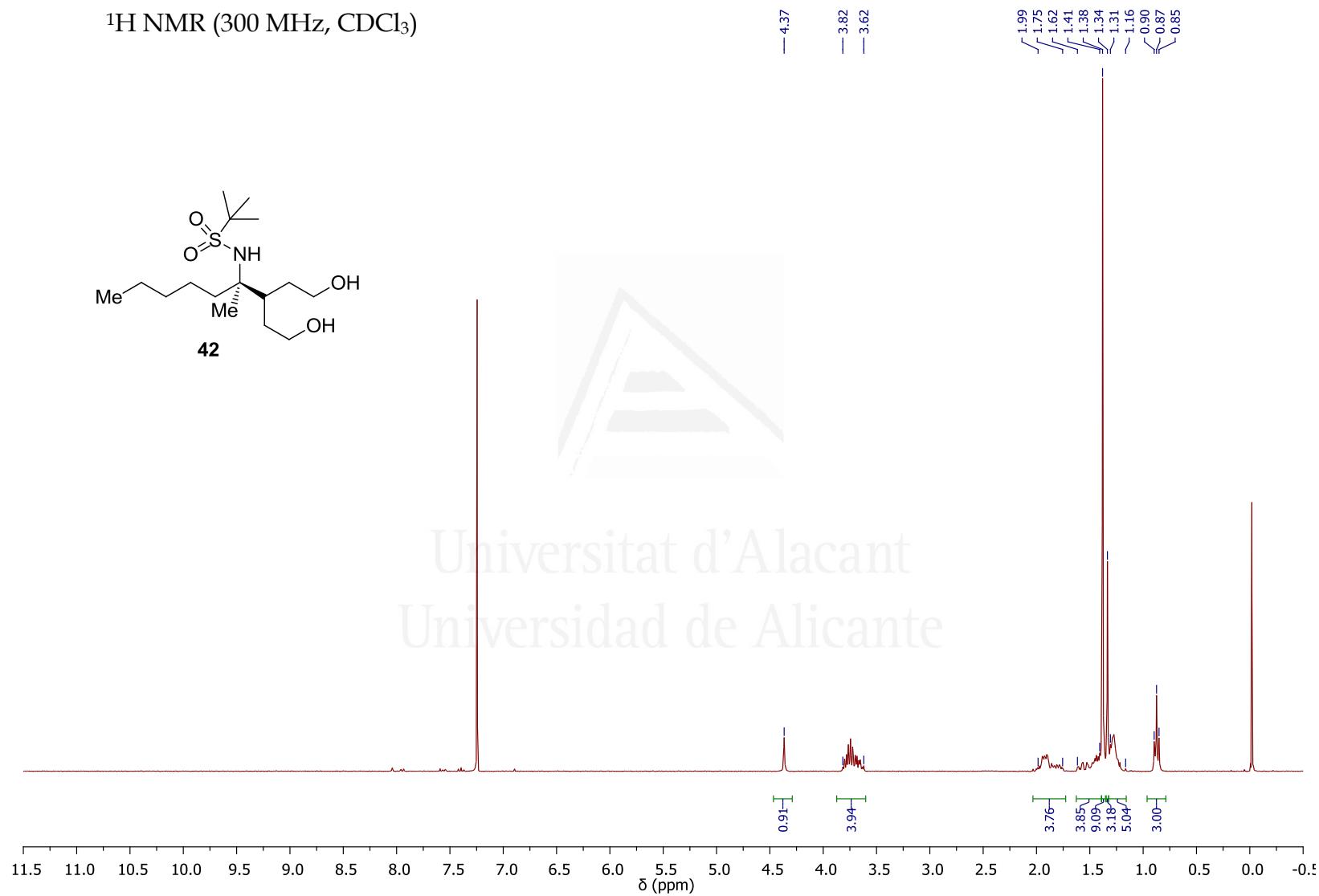
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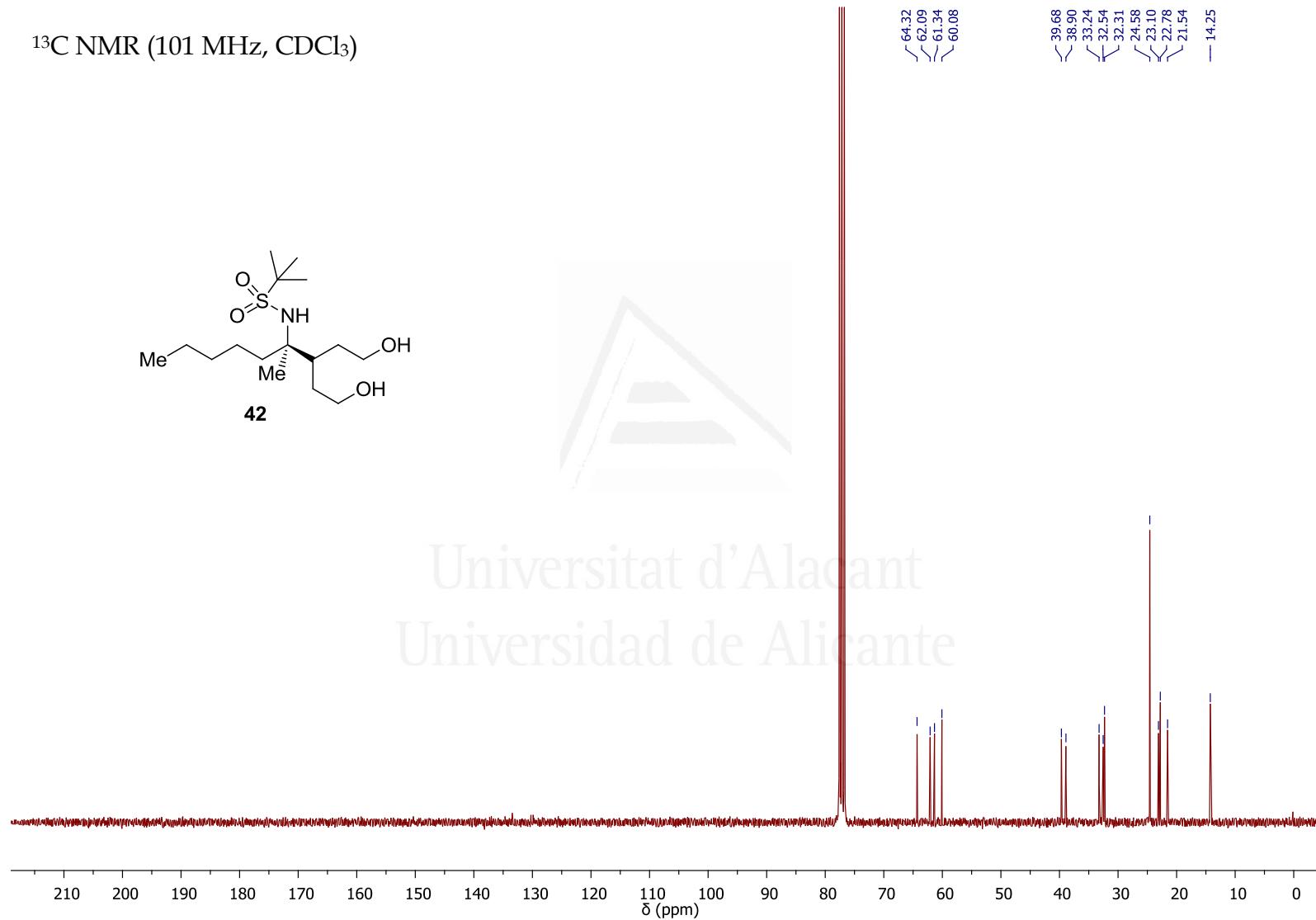


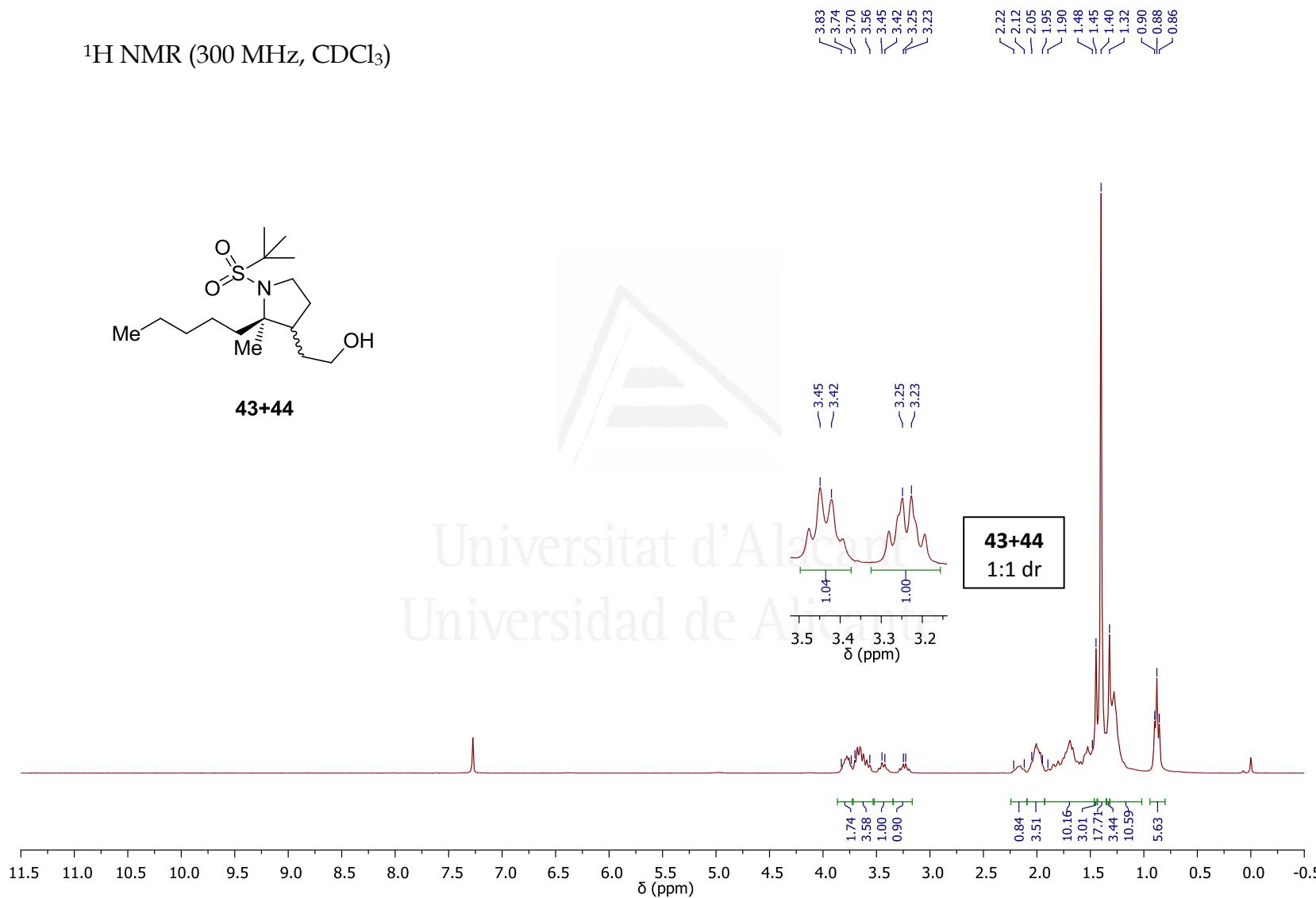


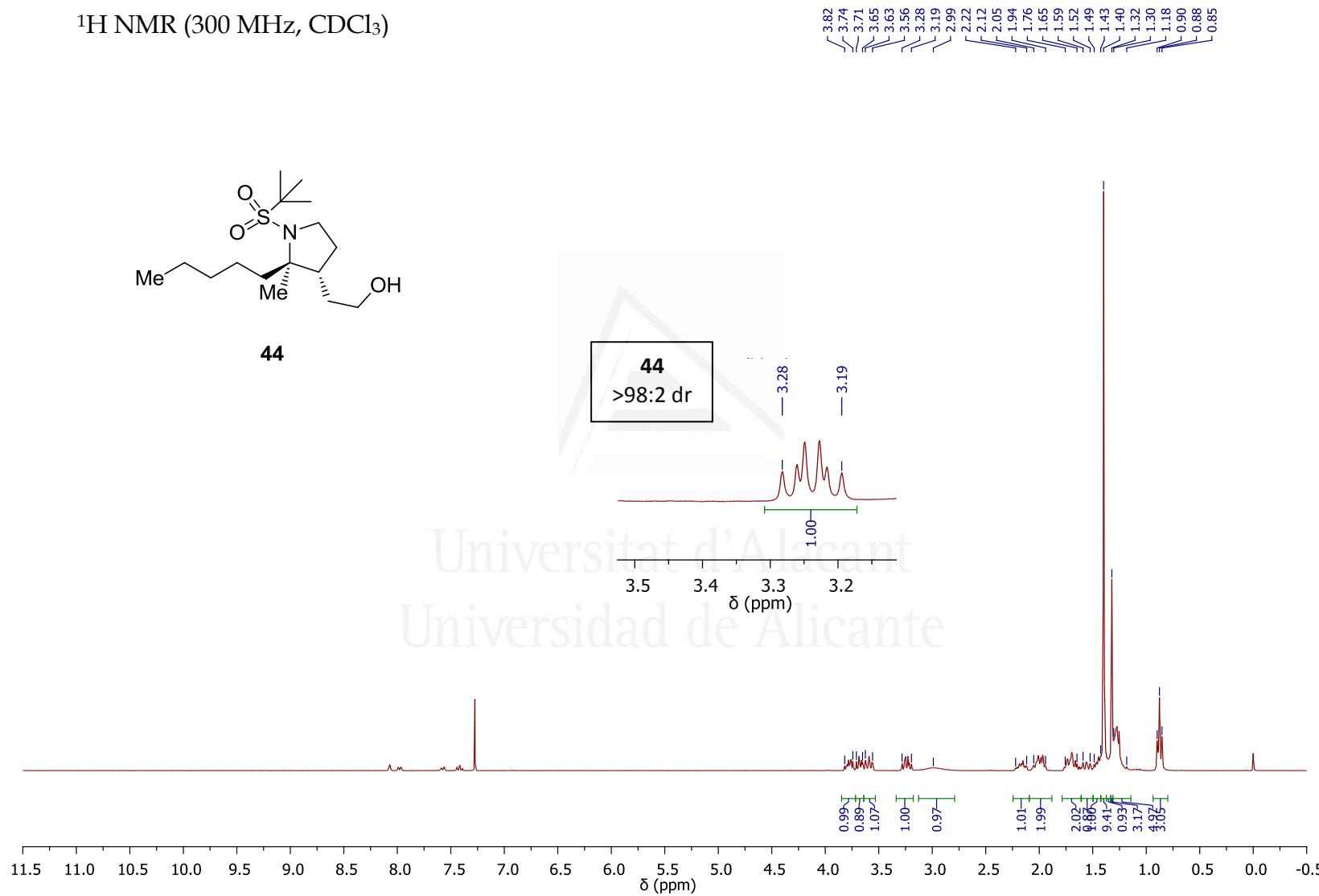




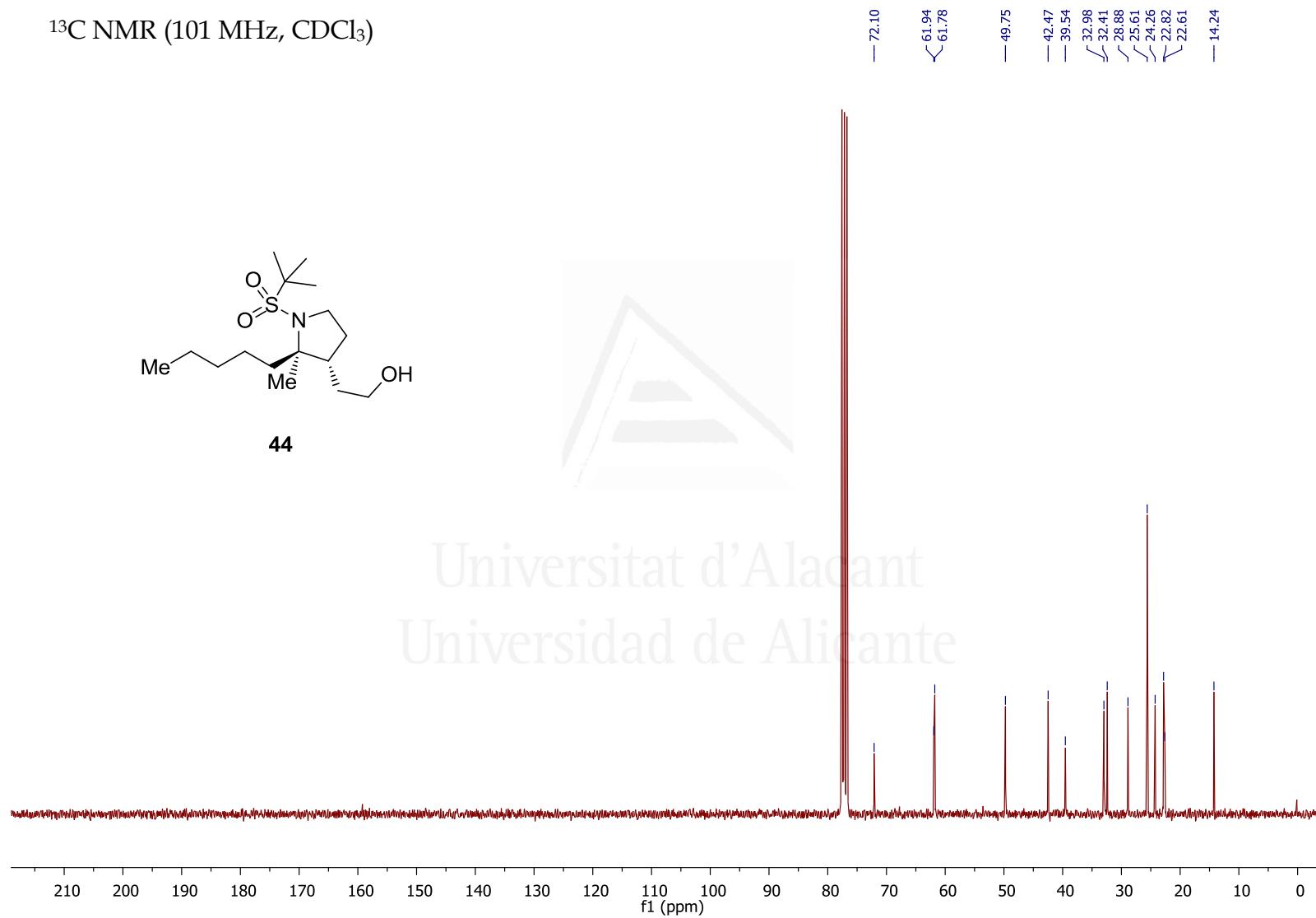
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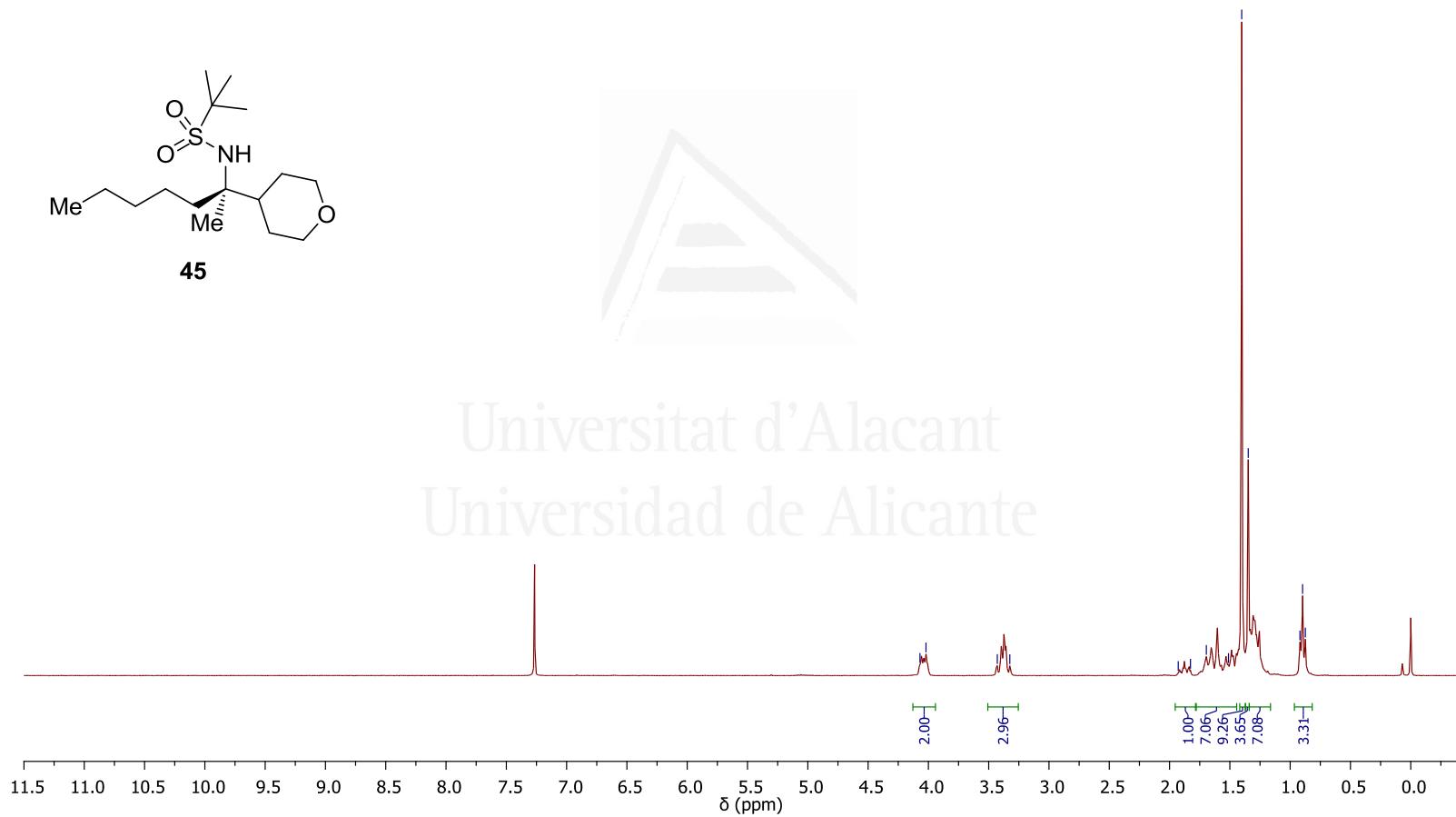
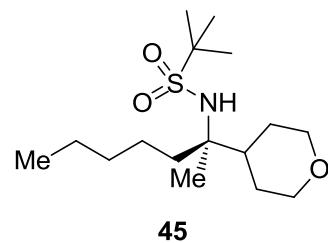


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