

Stereochemical Investigations of the *Tetrahymena* Cyclase, a Model System for Euphane/Tirucallane Biosynthesis José-Luis Giner* and Ju Feng

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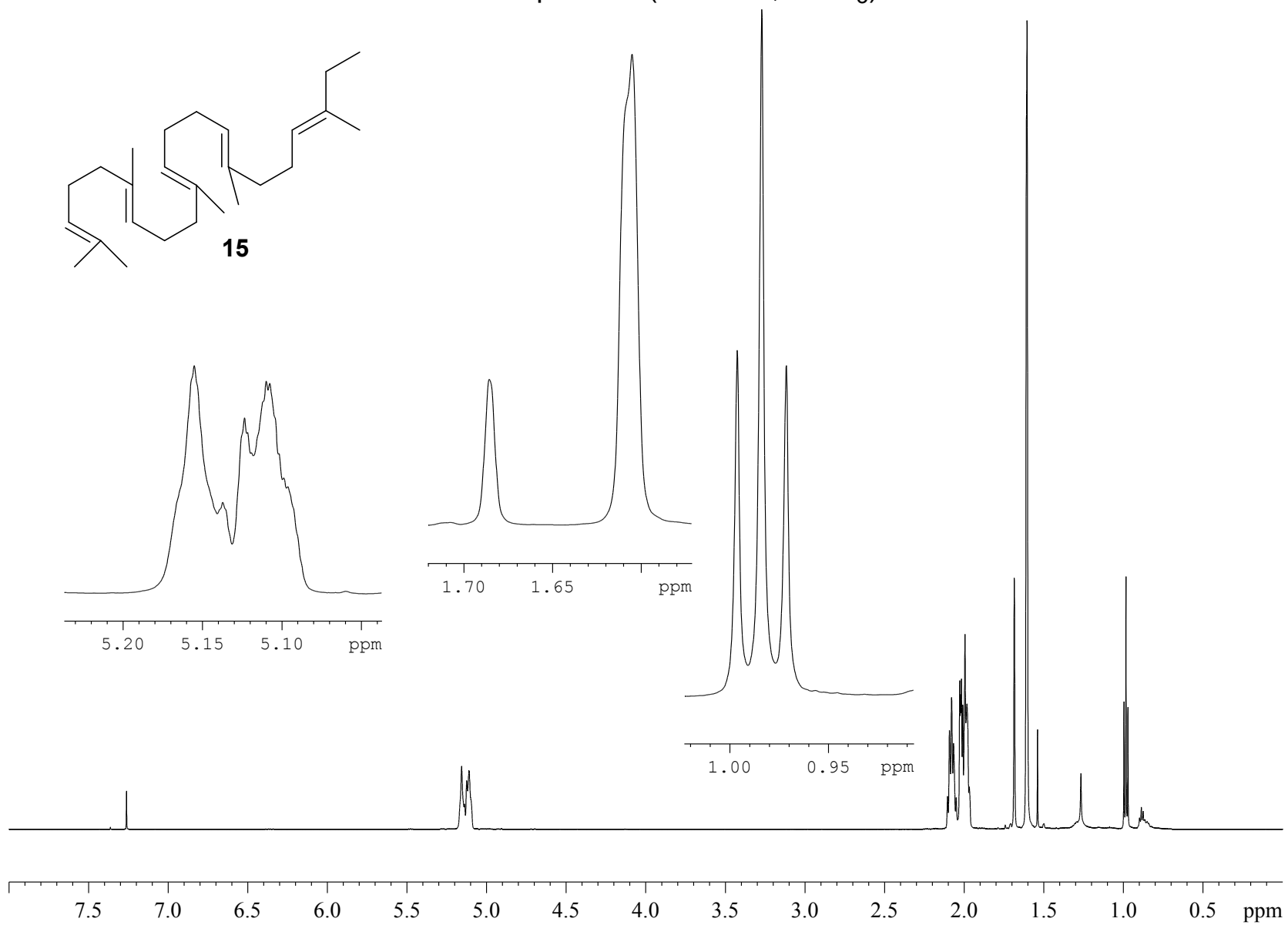
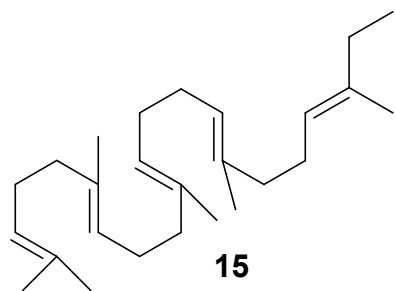
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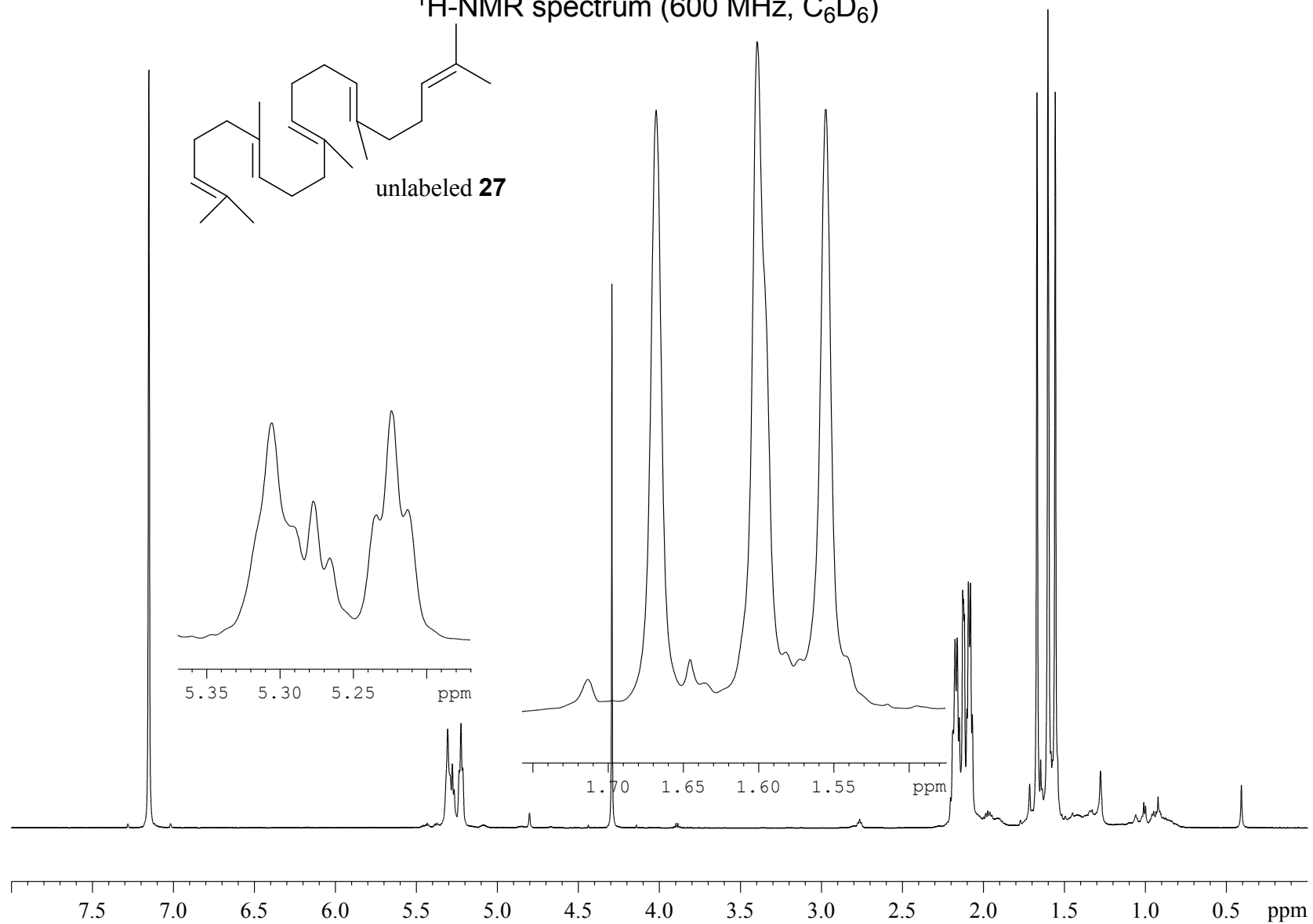
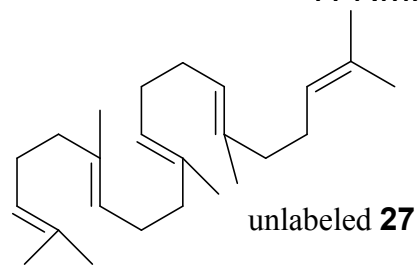
***Tetrahymena* triterpenes:**

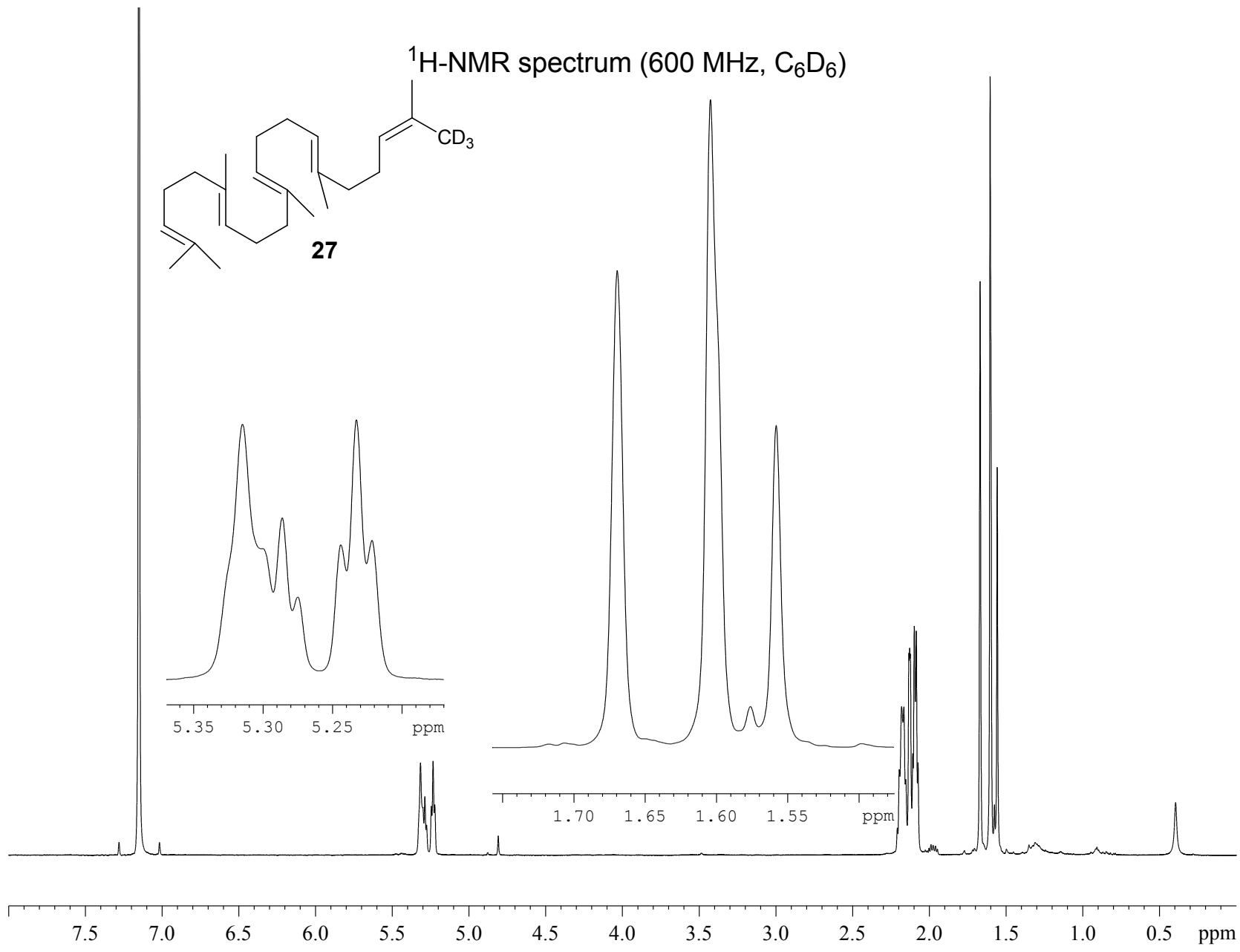
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$^1\text{H-NMR}$ spectrum (600 MHz, CDCl_3)

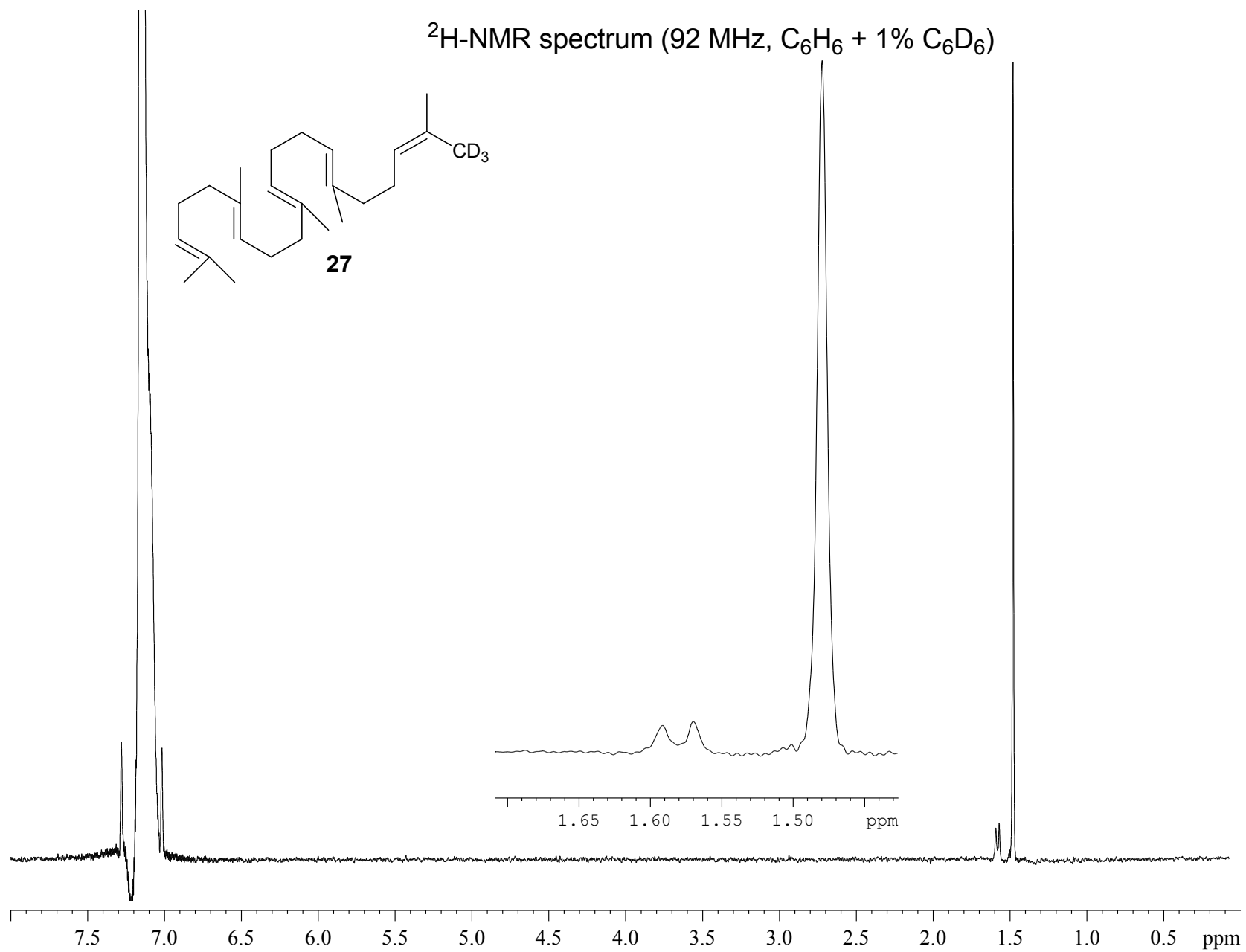
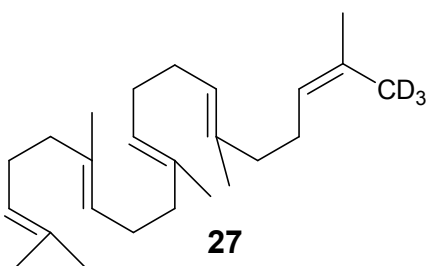


¹H-NMR spectrum (600 MHz, C₆D₆)

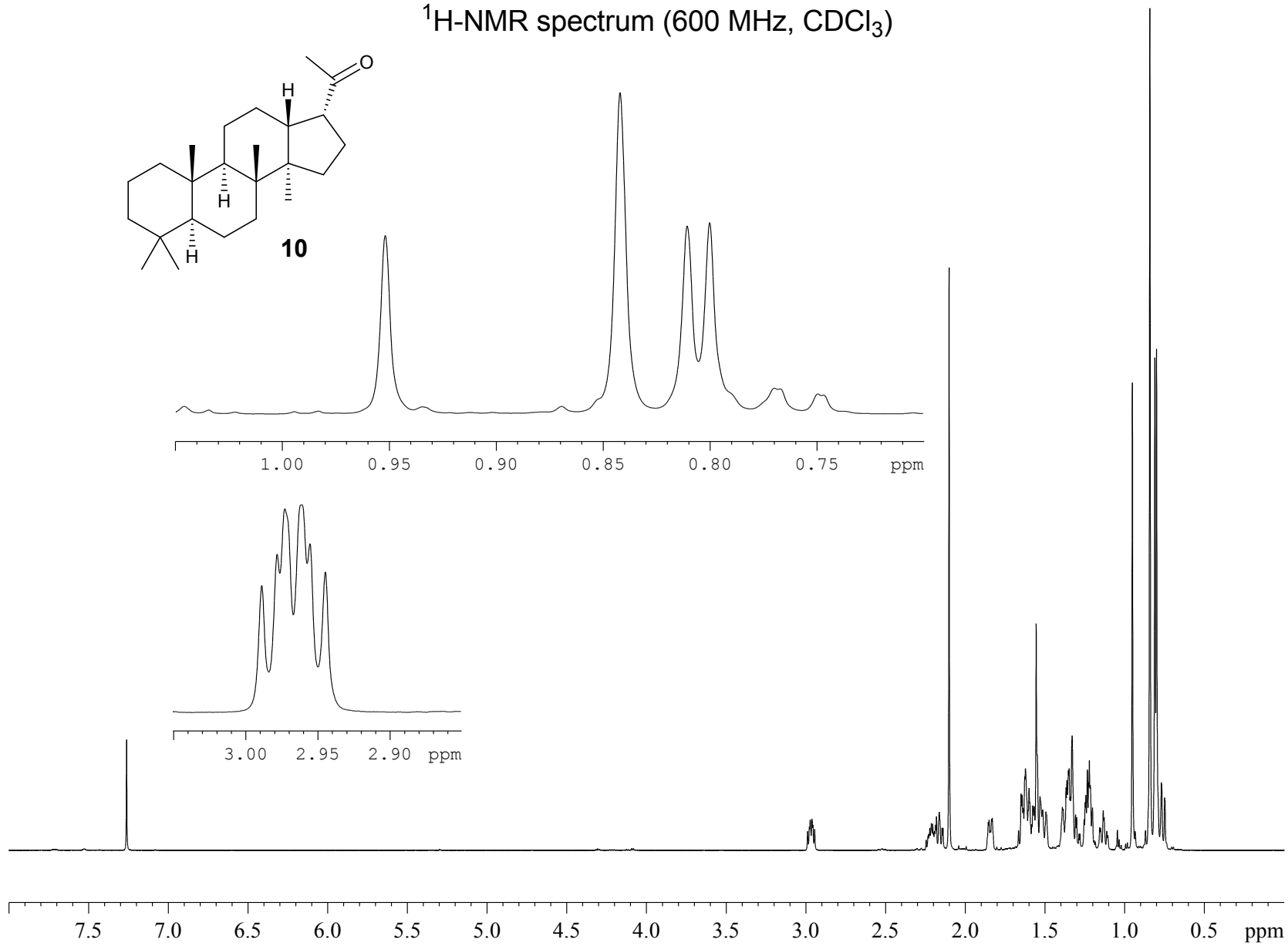
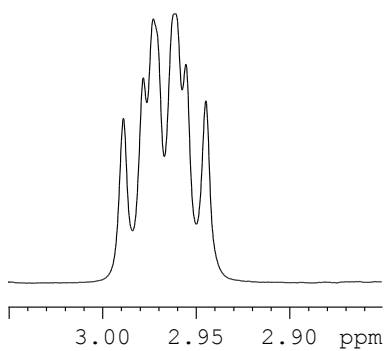
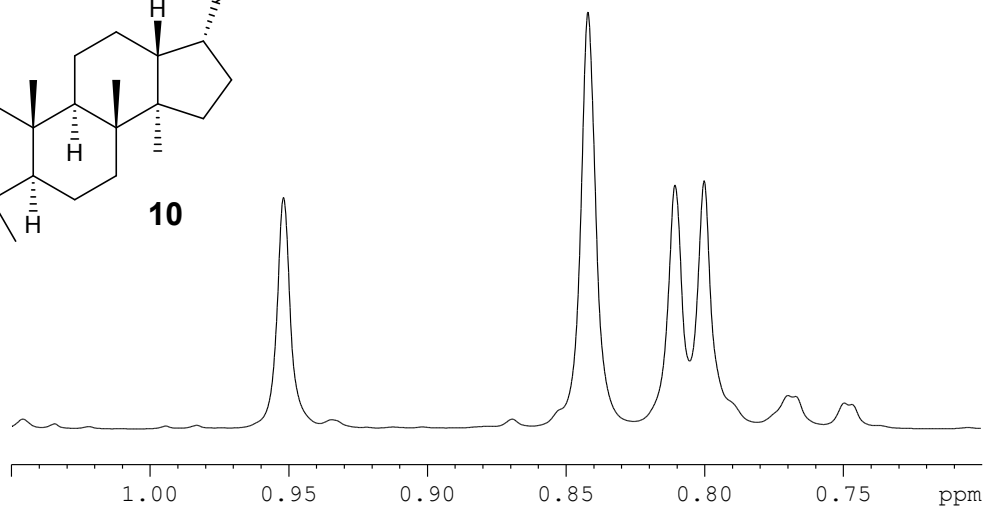
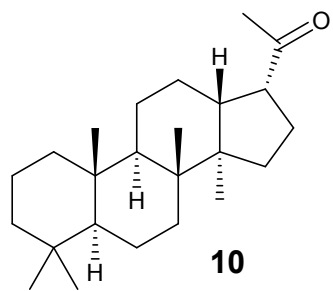


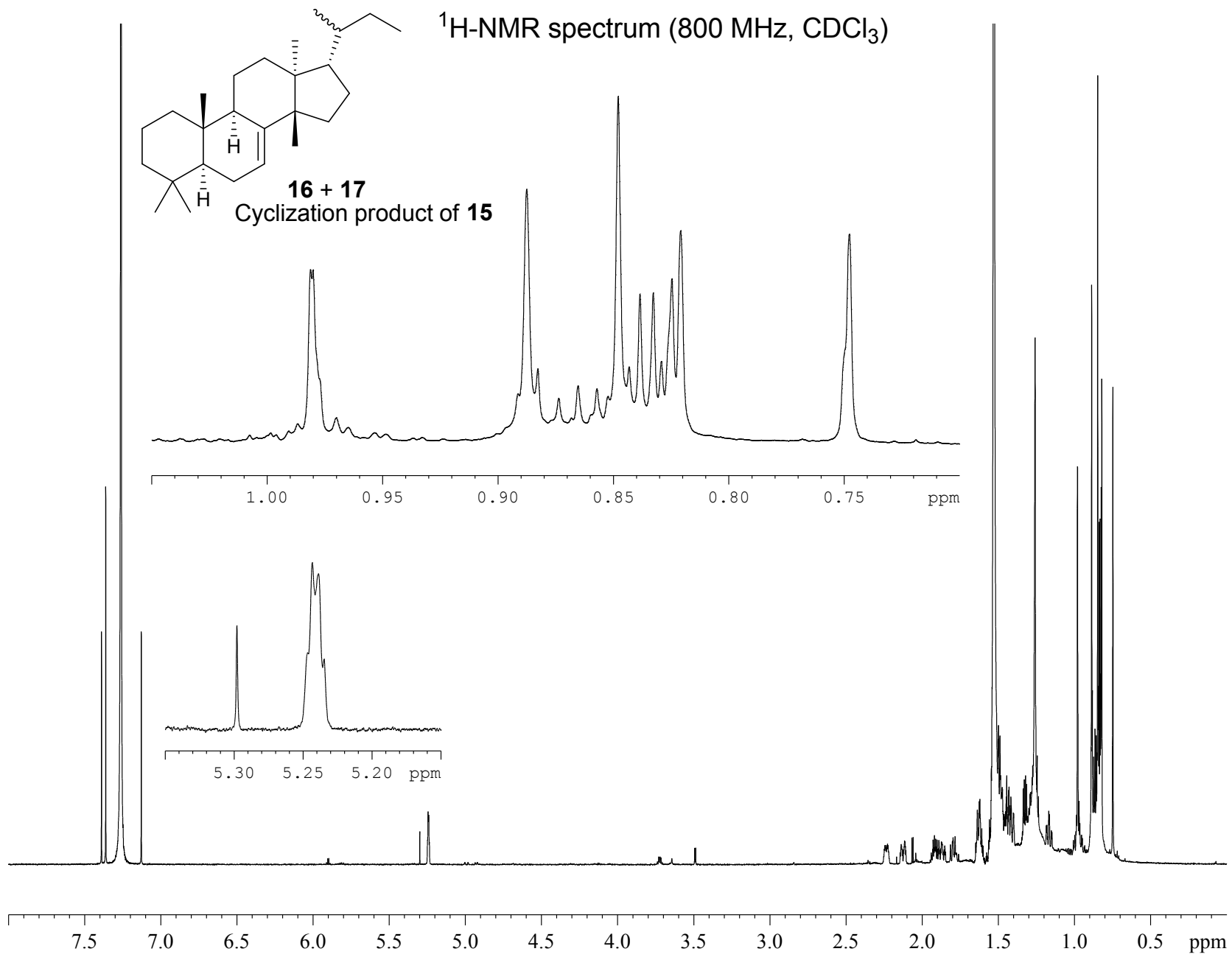


^2H -NMR spectrum (92 MHz, $\text{C}_6\text{H}_6 + 1\% \text{C}_6\text{D}_6$)

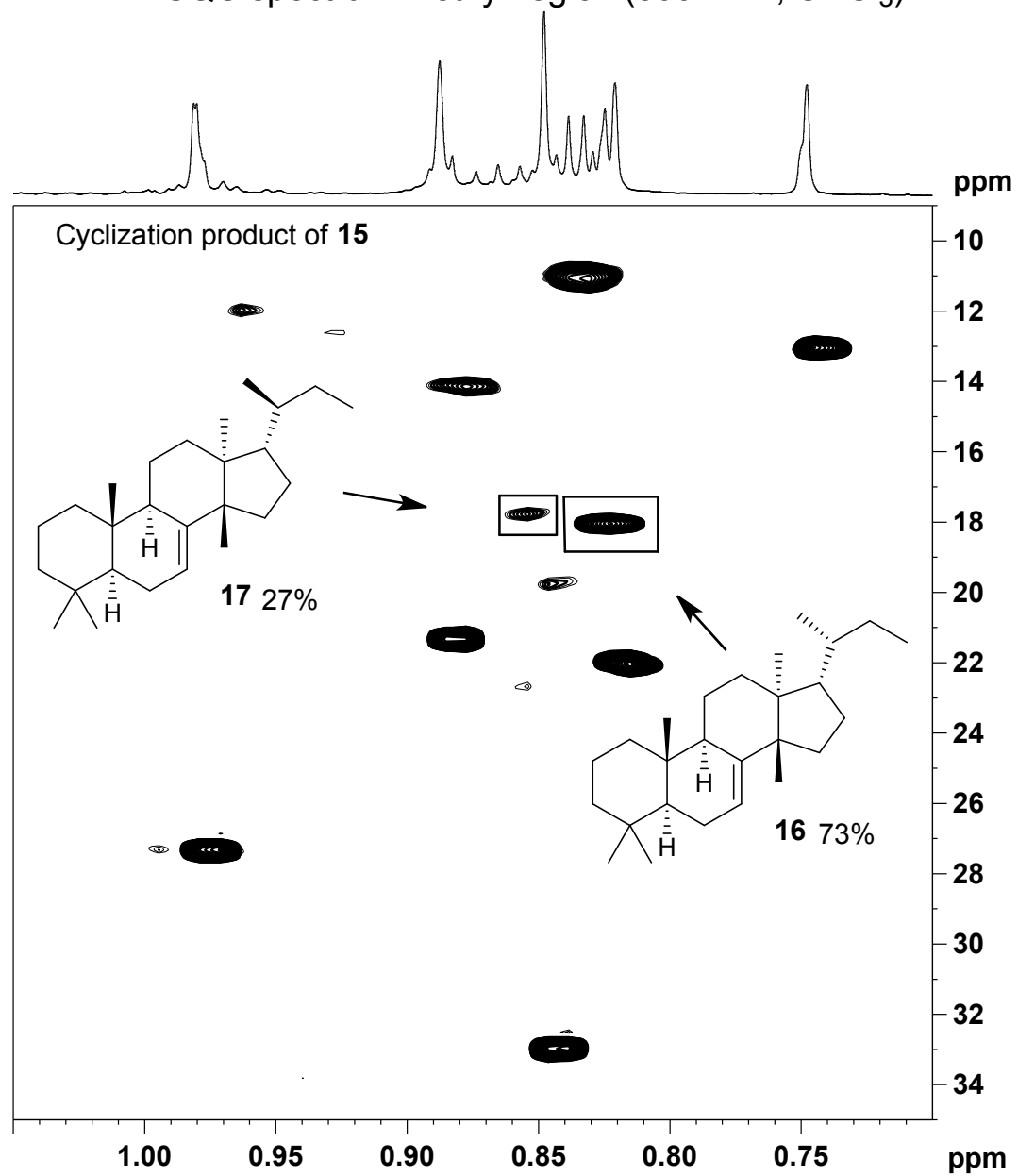


$^1\text{H-NMR}$ spectrum (600 MHz, CDCl_3)

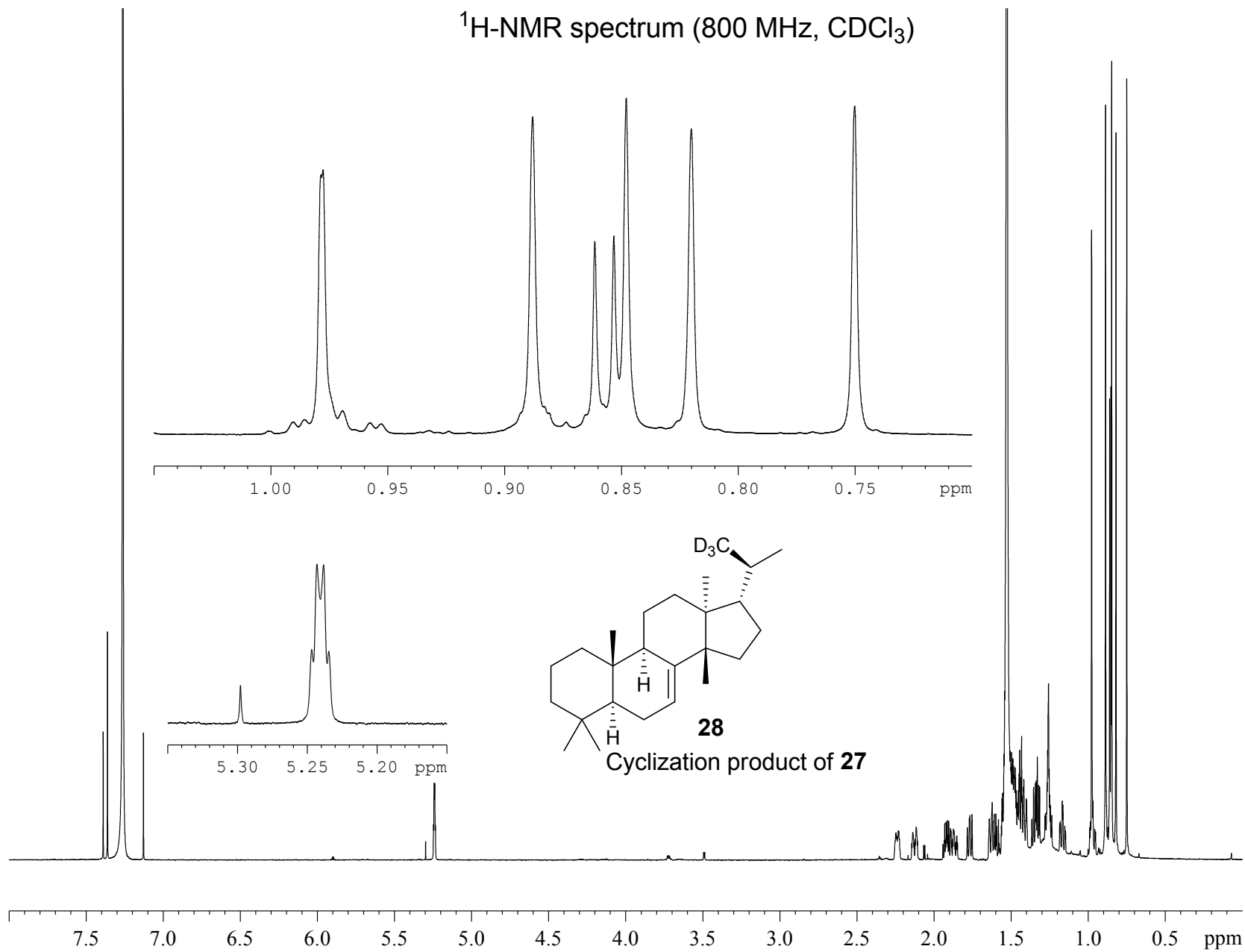




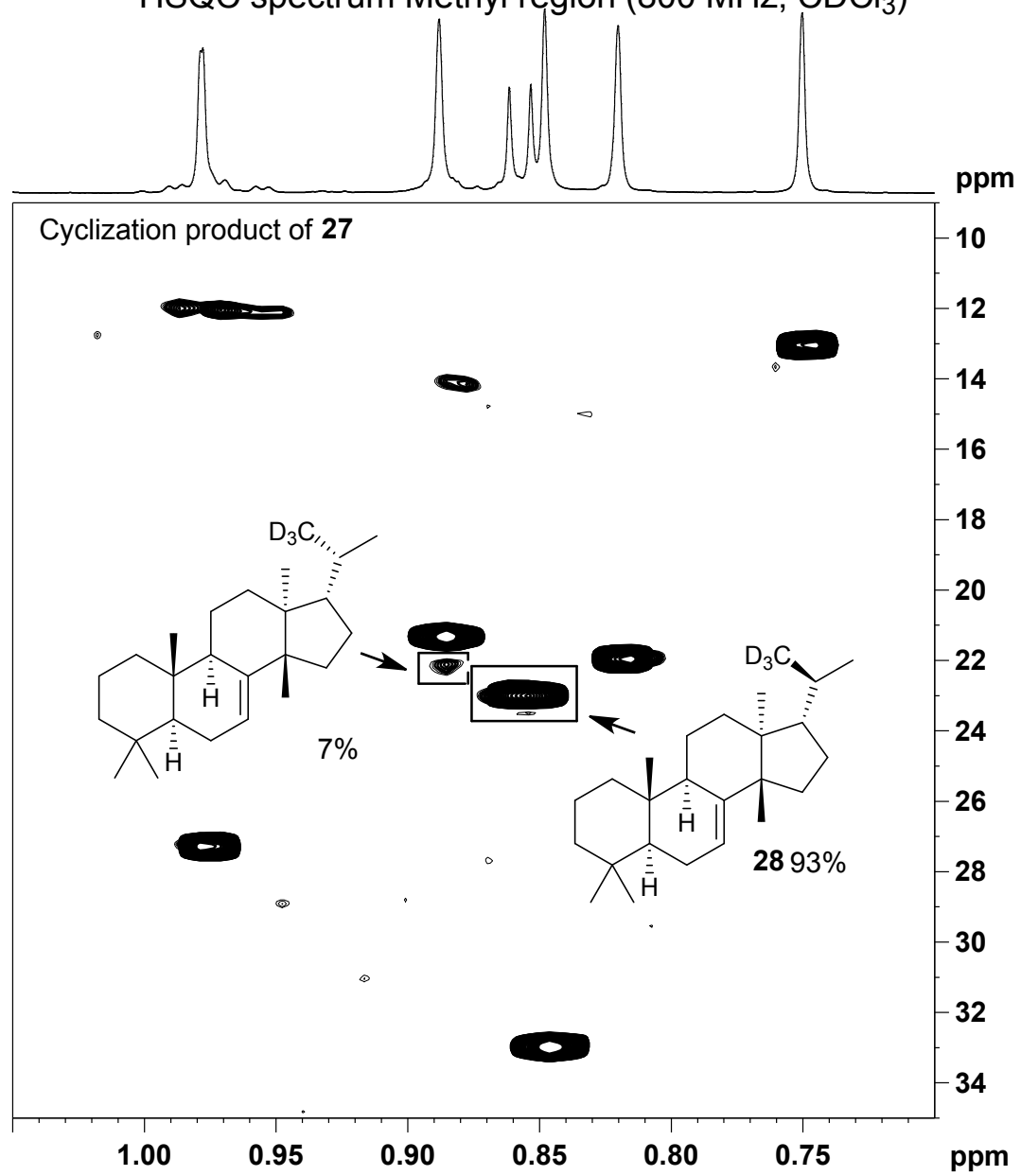
HSQC spectrum Methyl region (800 MHz, CDCl₃)

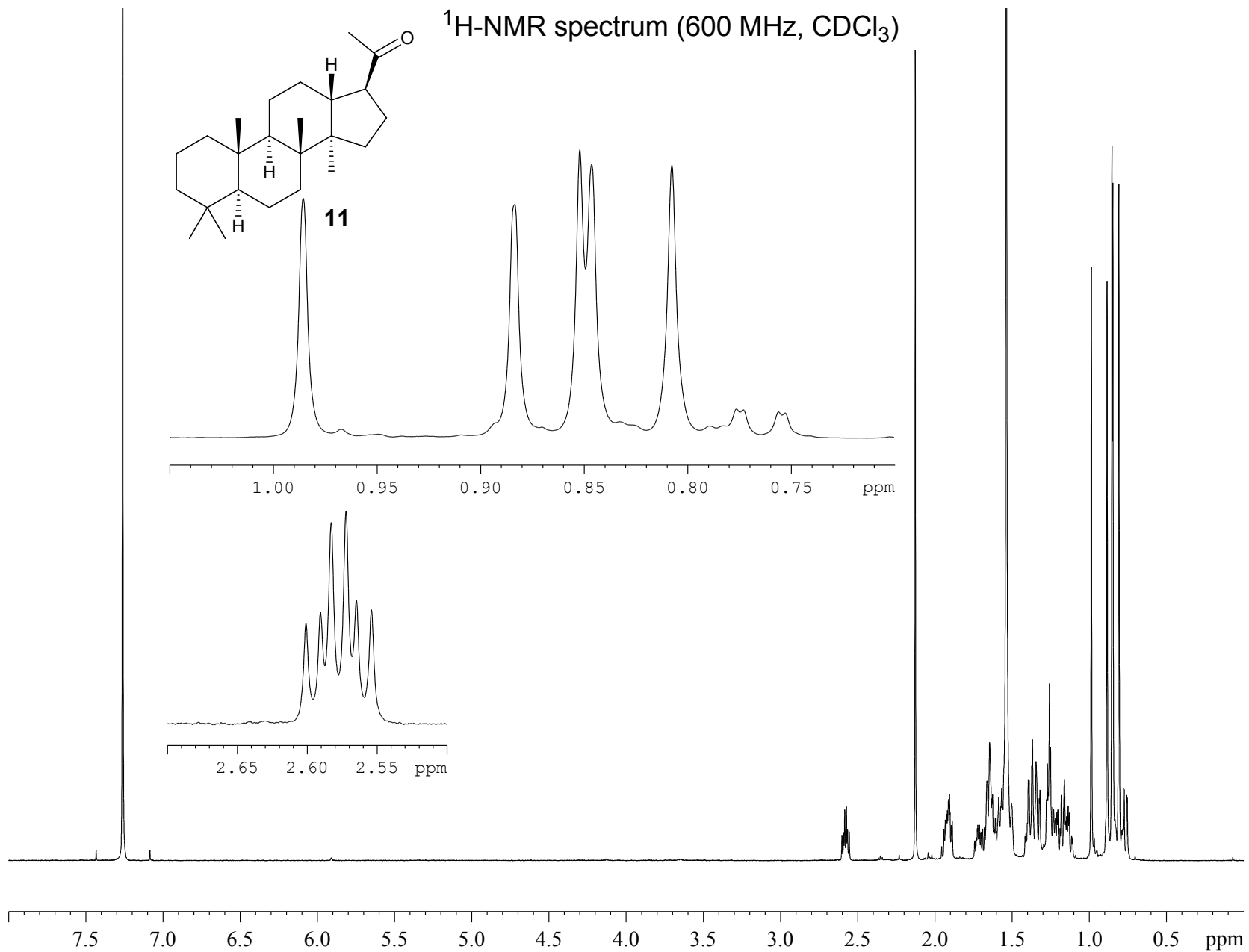


$^1\text{H-NMR}$ spectrum (800 MHz, CDCl_3)

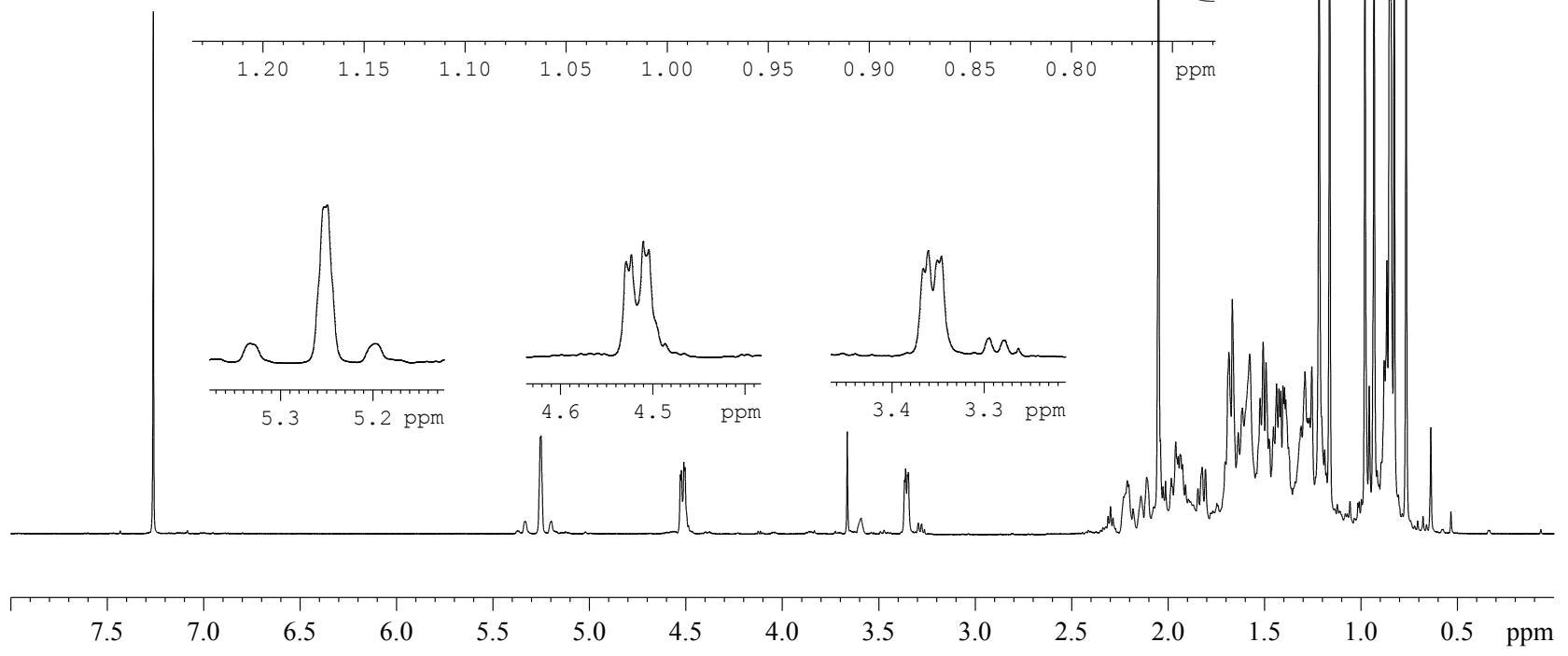
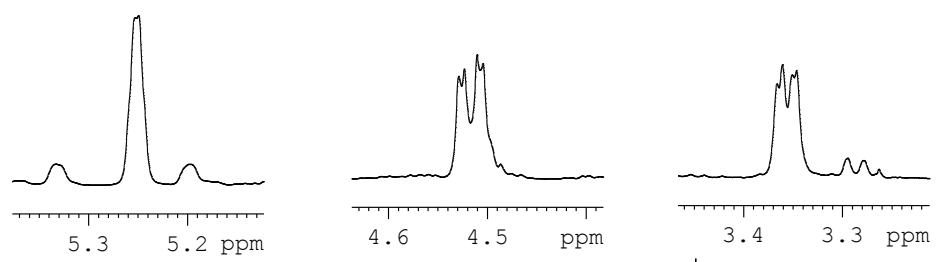
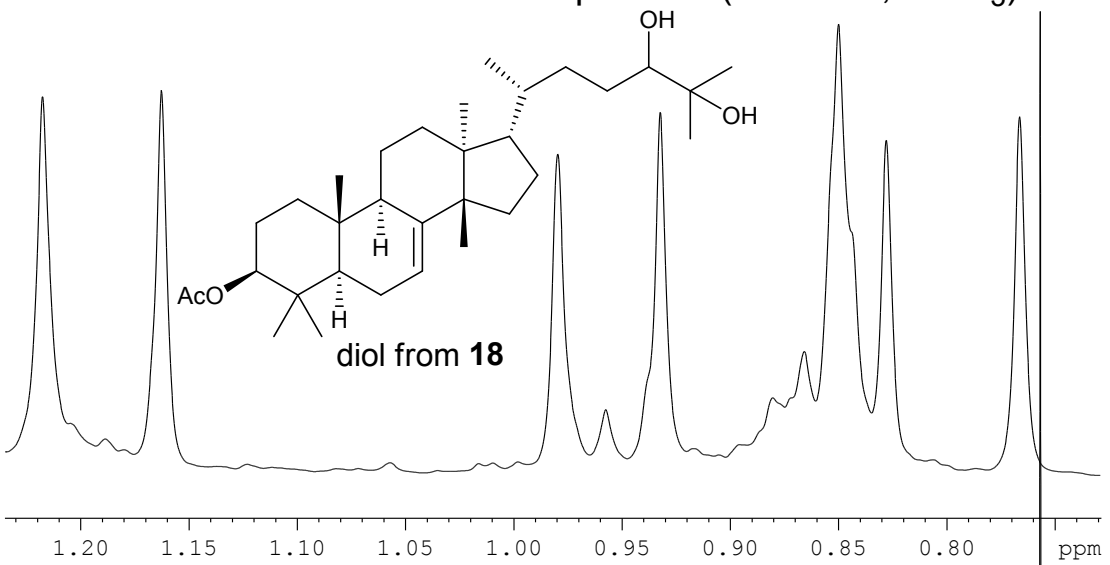
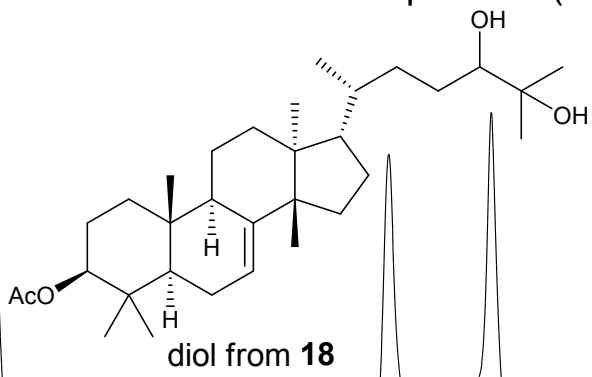


HSQC spectrum Methyl region (800 MHz, CDCl₃)

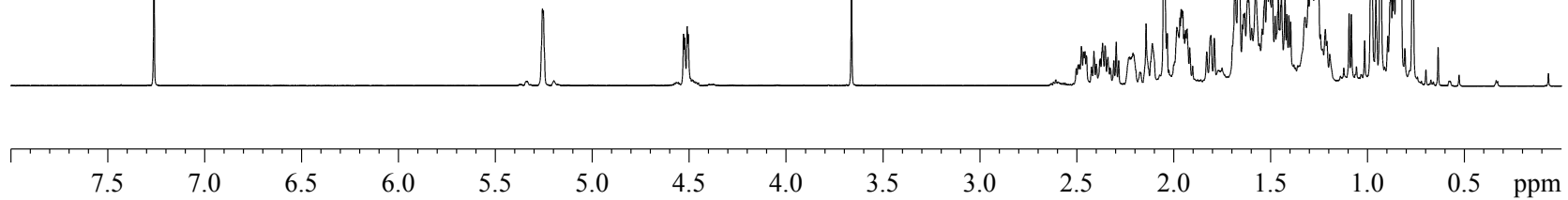
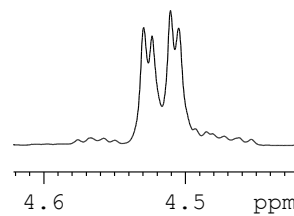
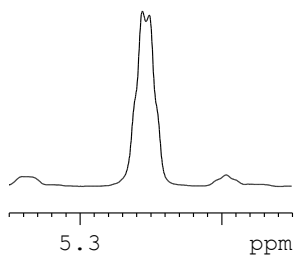
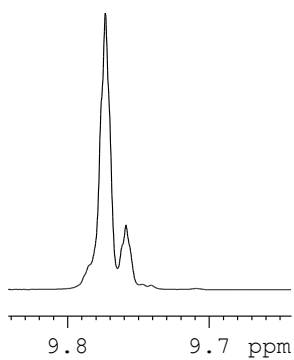
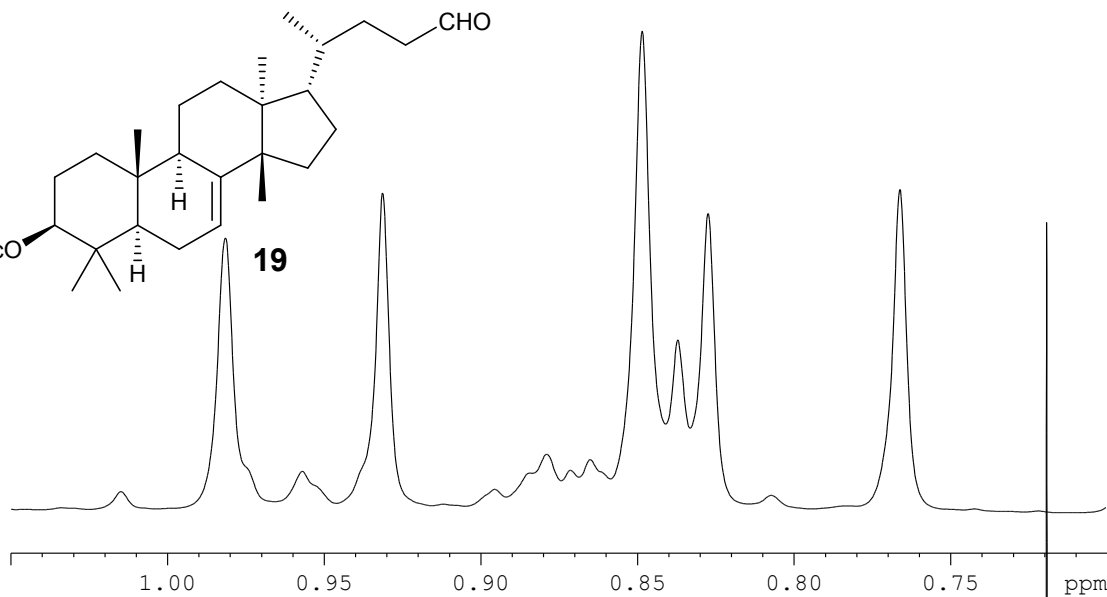
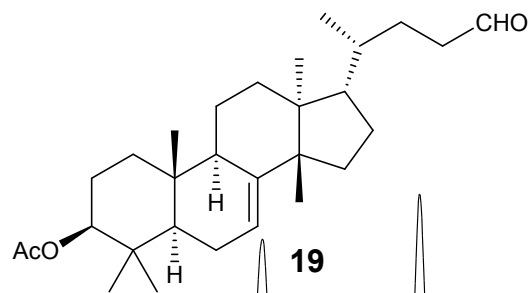




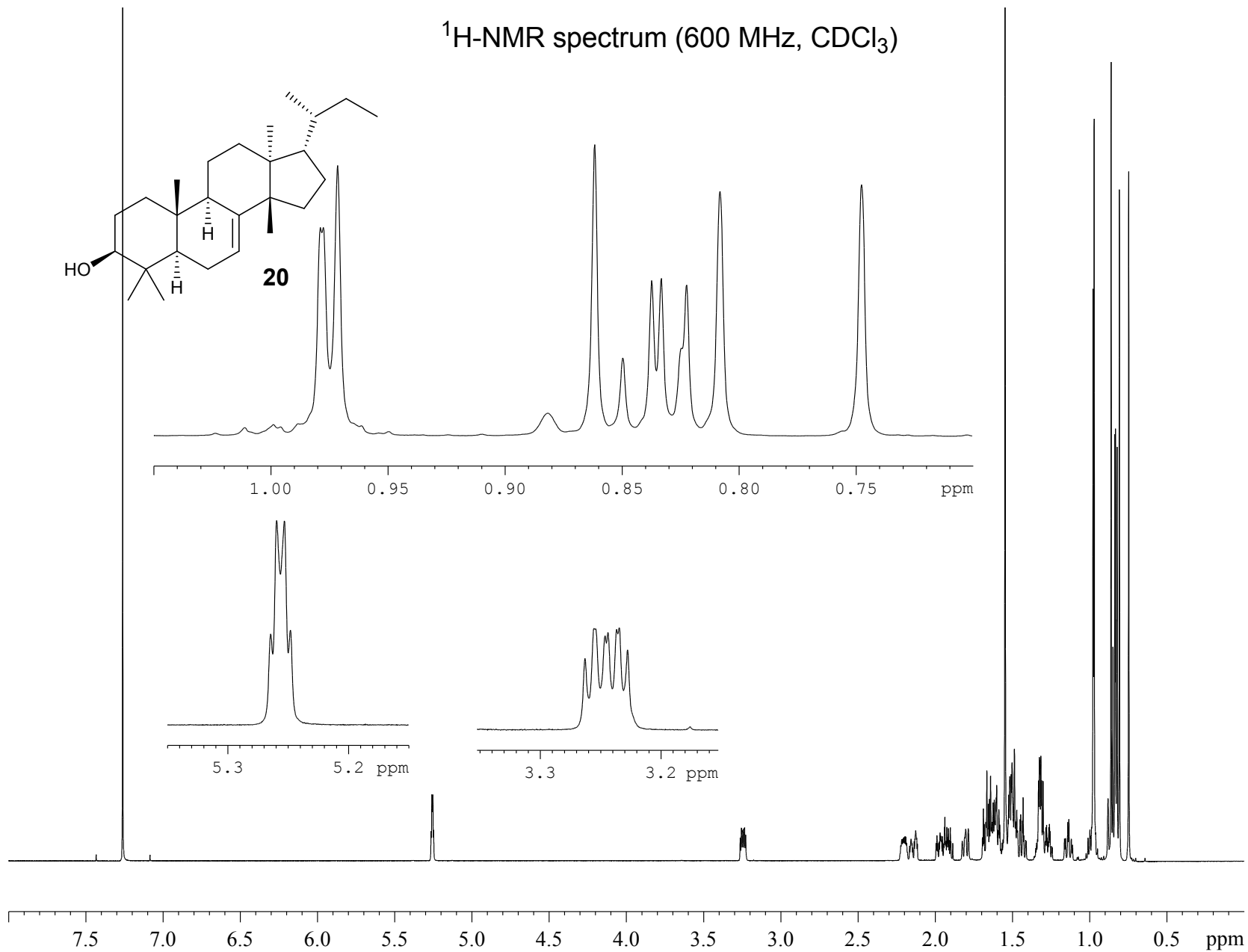
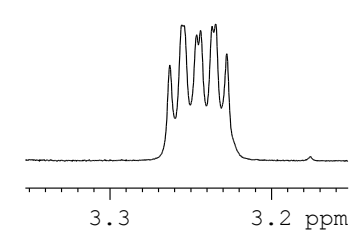
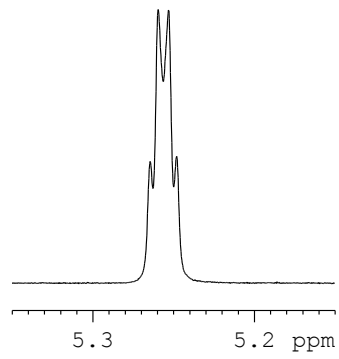
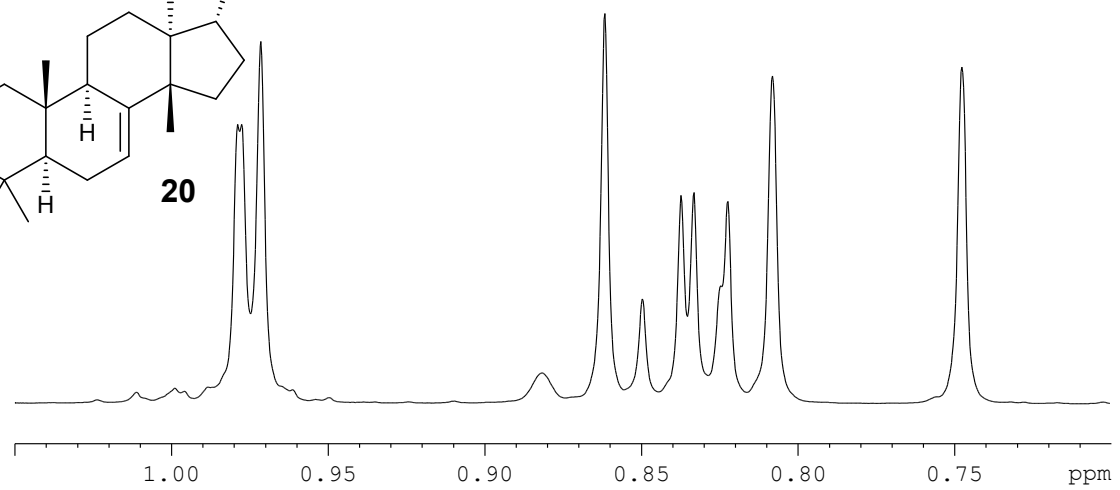
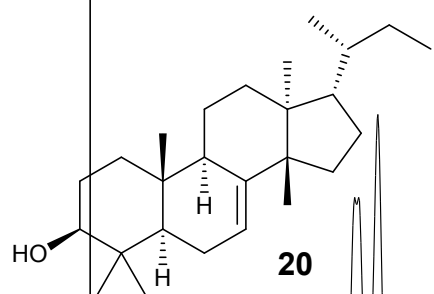
¹H-NMR spectrum (600 MHz, CDCl₃)



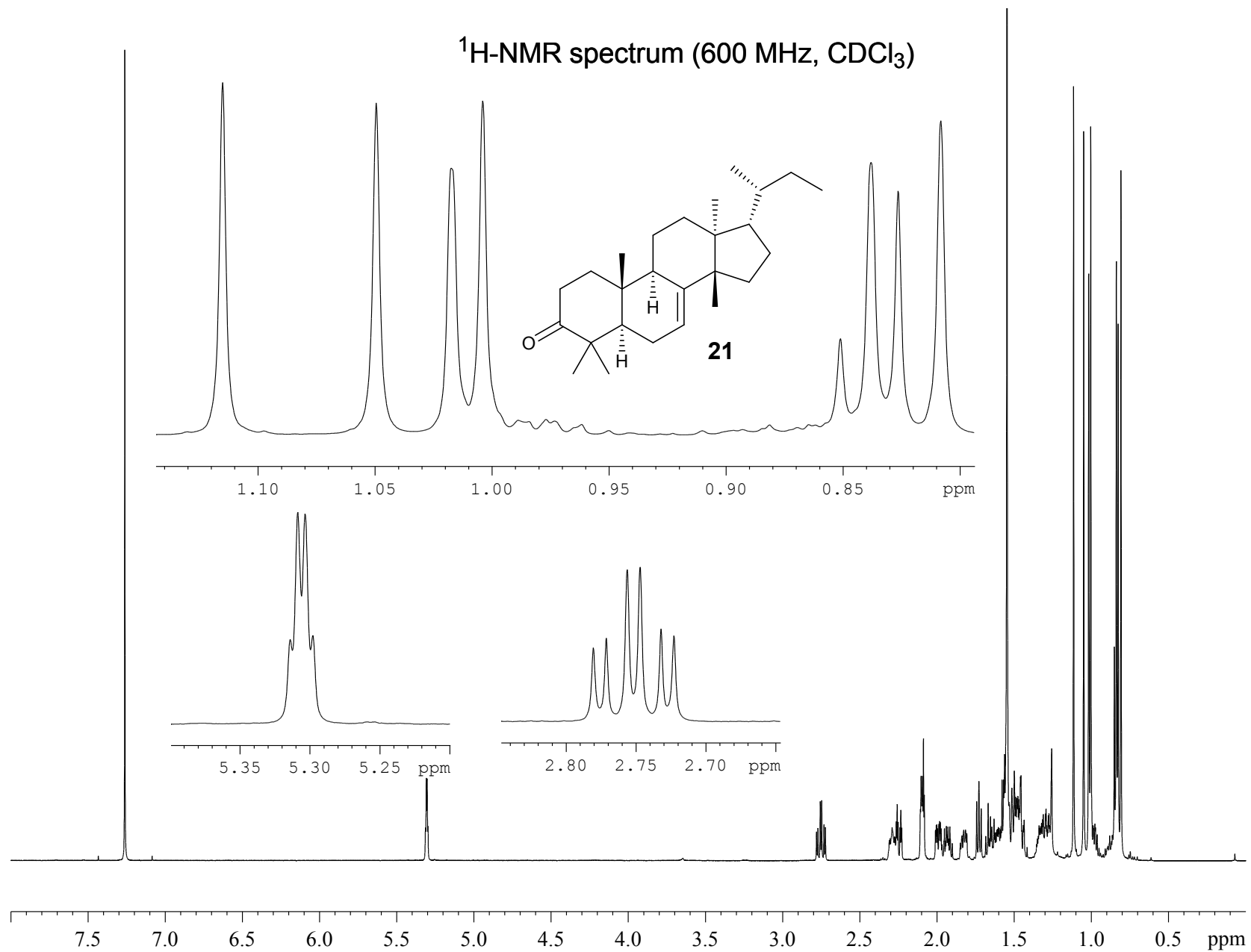
¹H-NMR spectrum (600 MHz, CDCl₃)

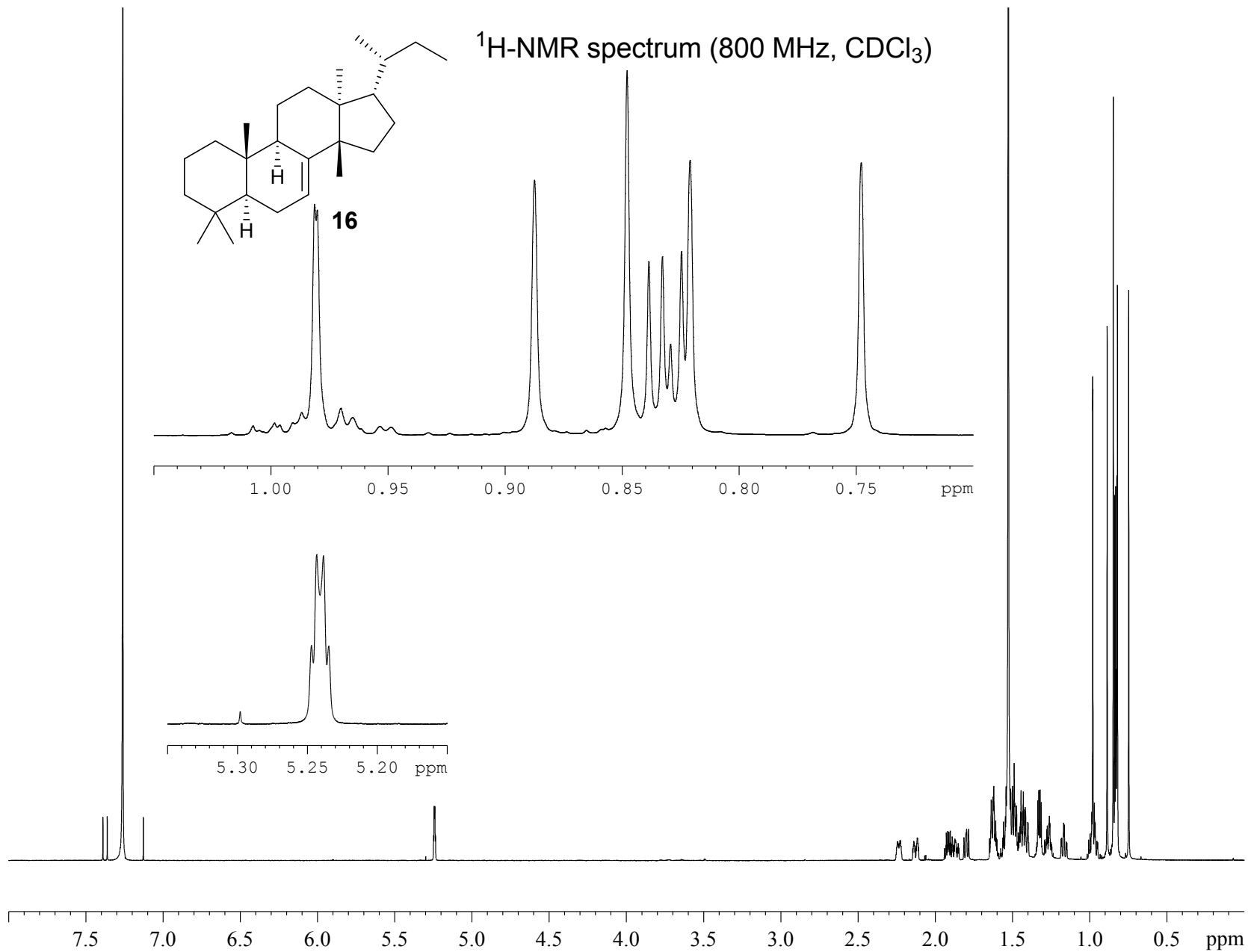


$^1\text{H-NMR}$ spectrum (600 MHz, CDCl_3)

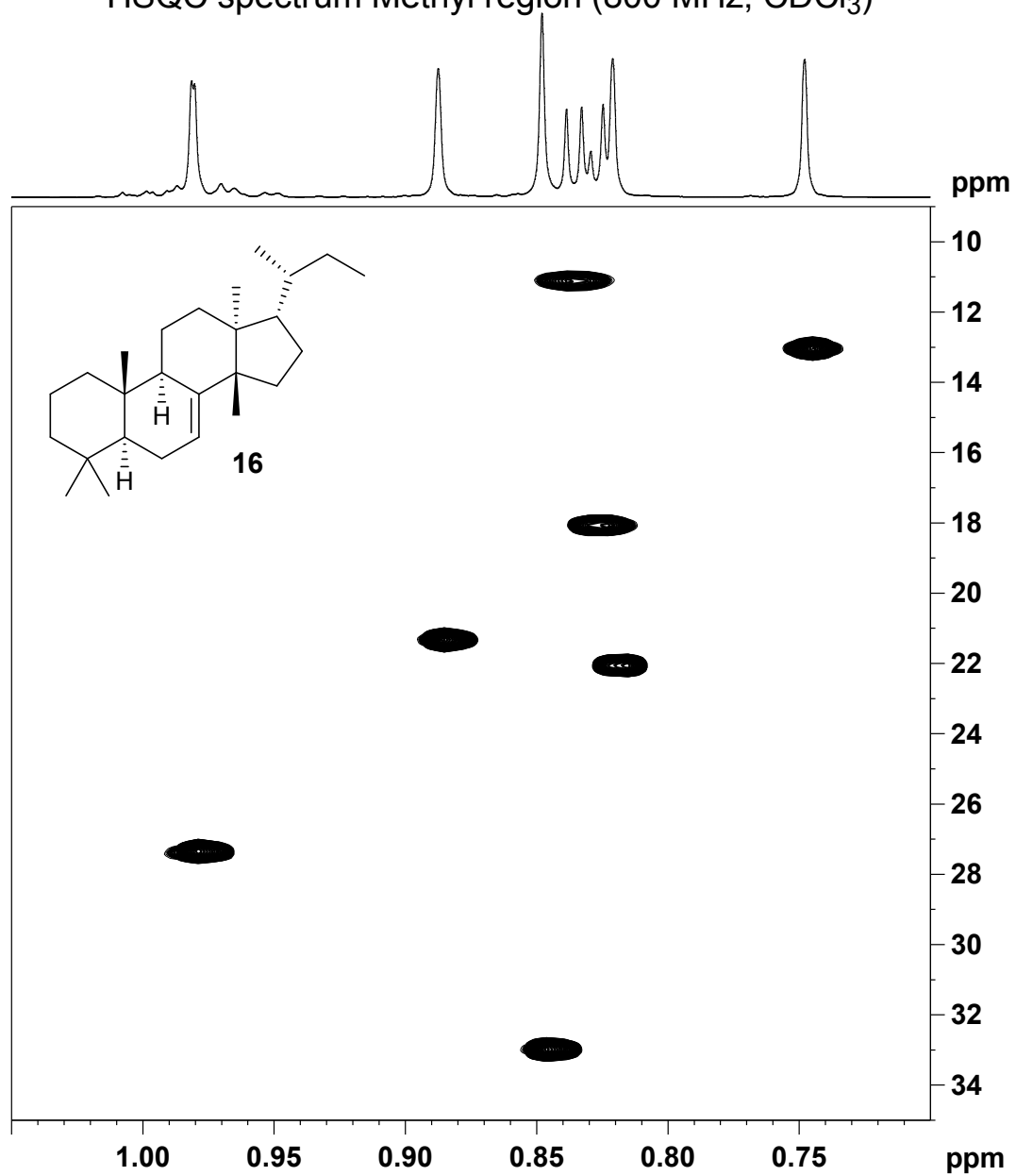


$^1\text{H-NMR}$ spectrum (600 MHz, CDCl_3)

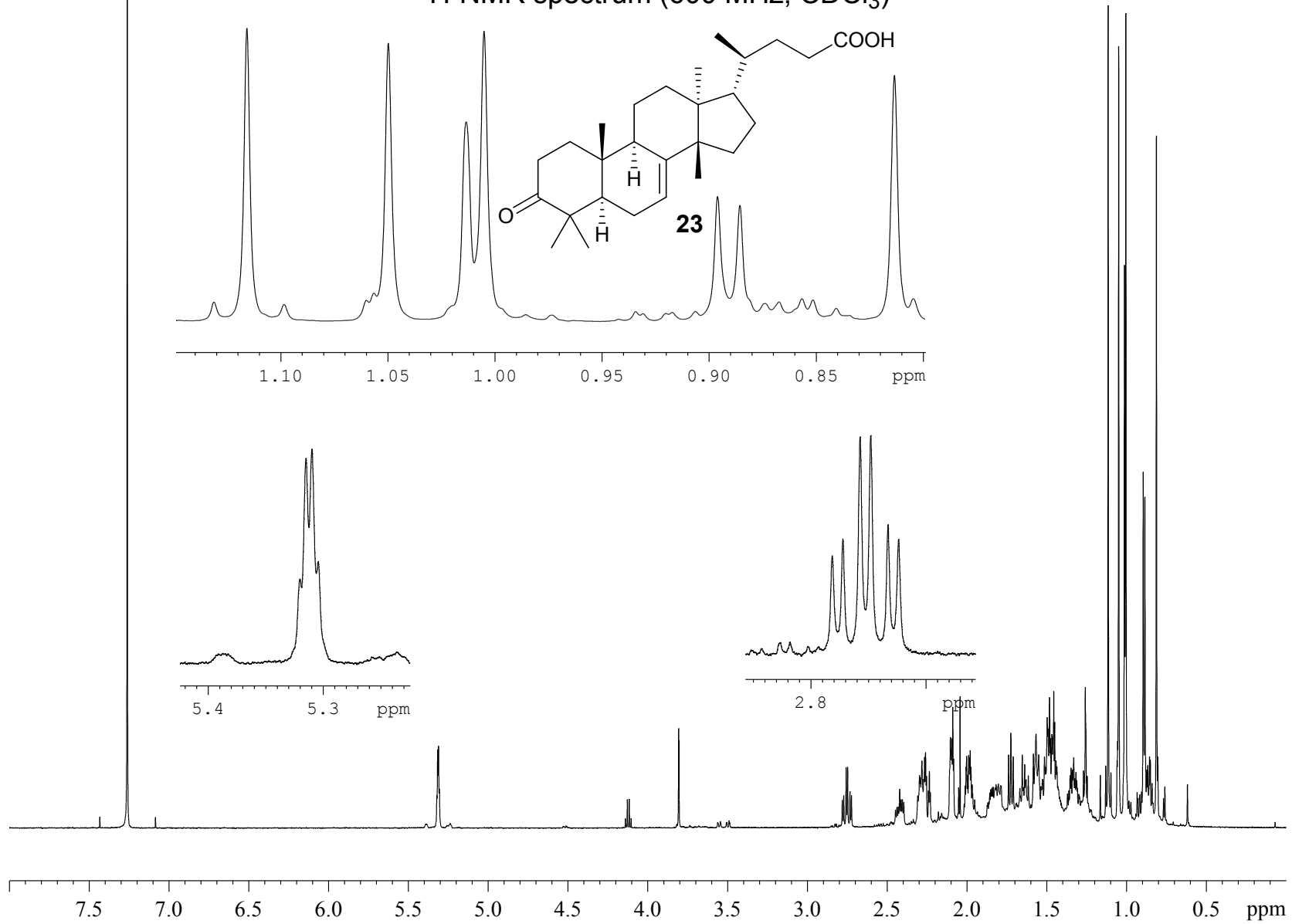




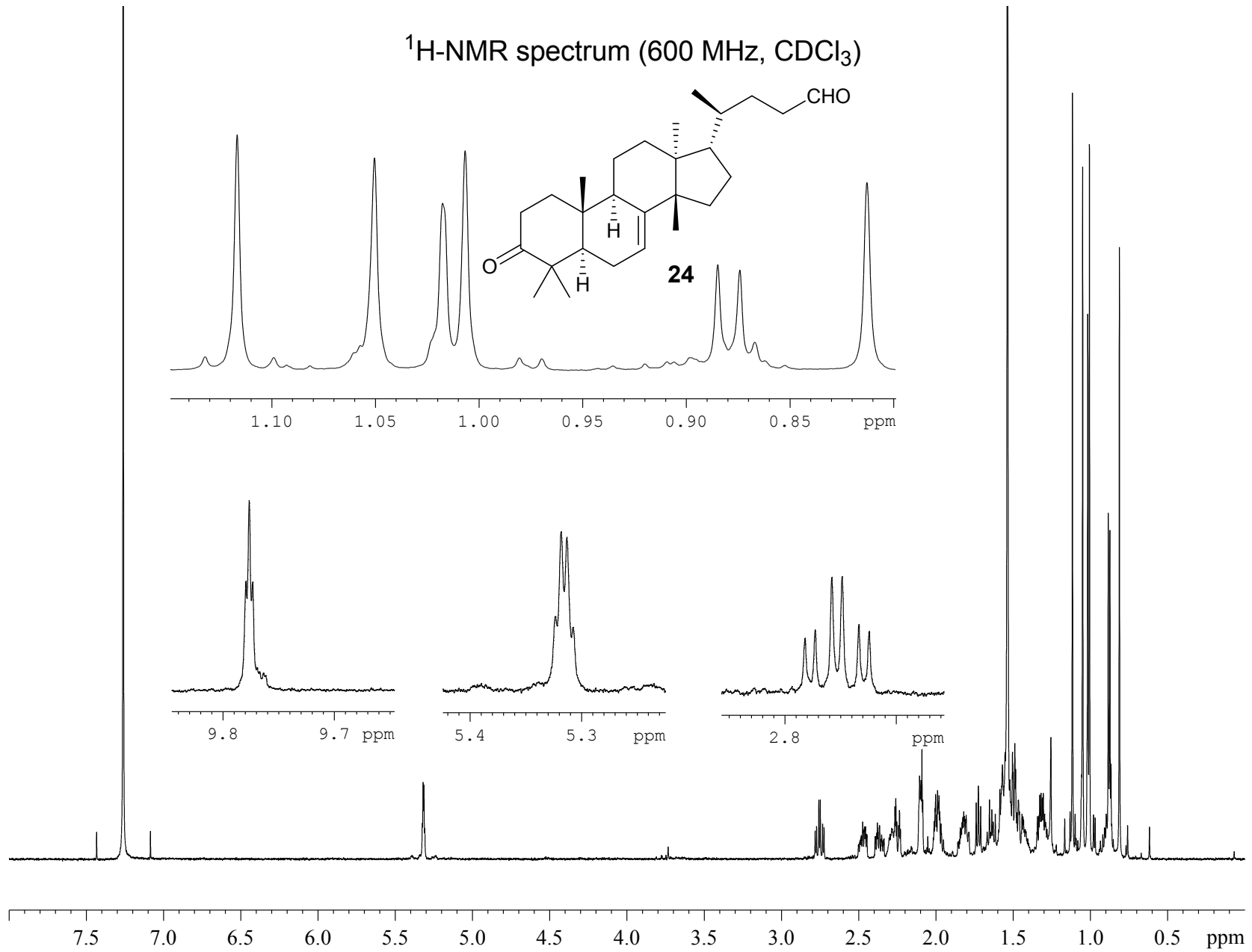
HSQC spectrum Methyl region (800 MHz, CDCl₃)

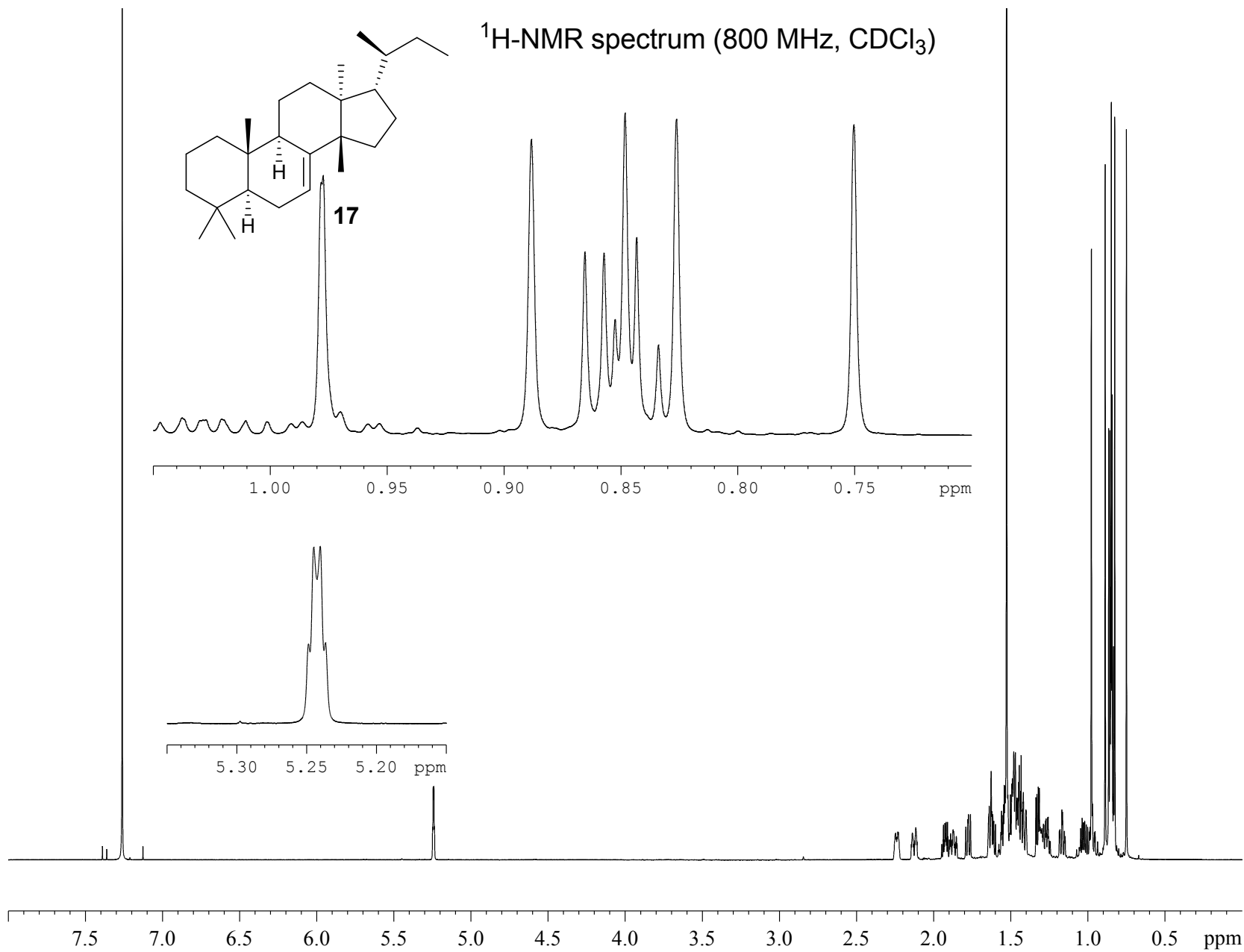


$^1\text{H-NMR}$ spectrum (600 MHz, CDCl_3)

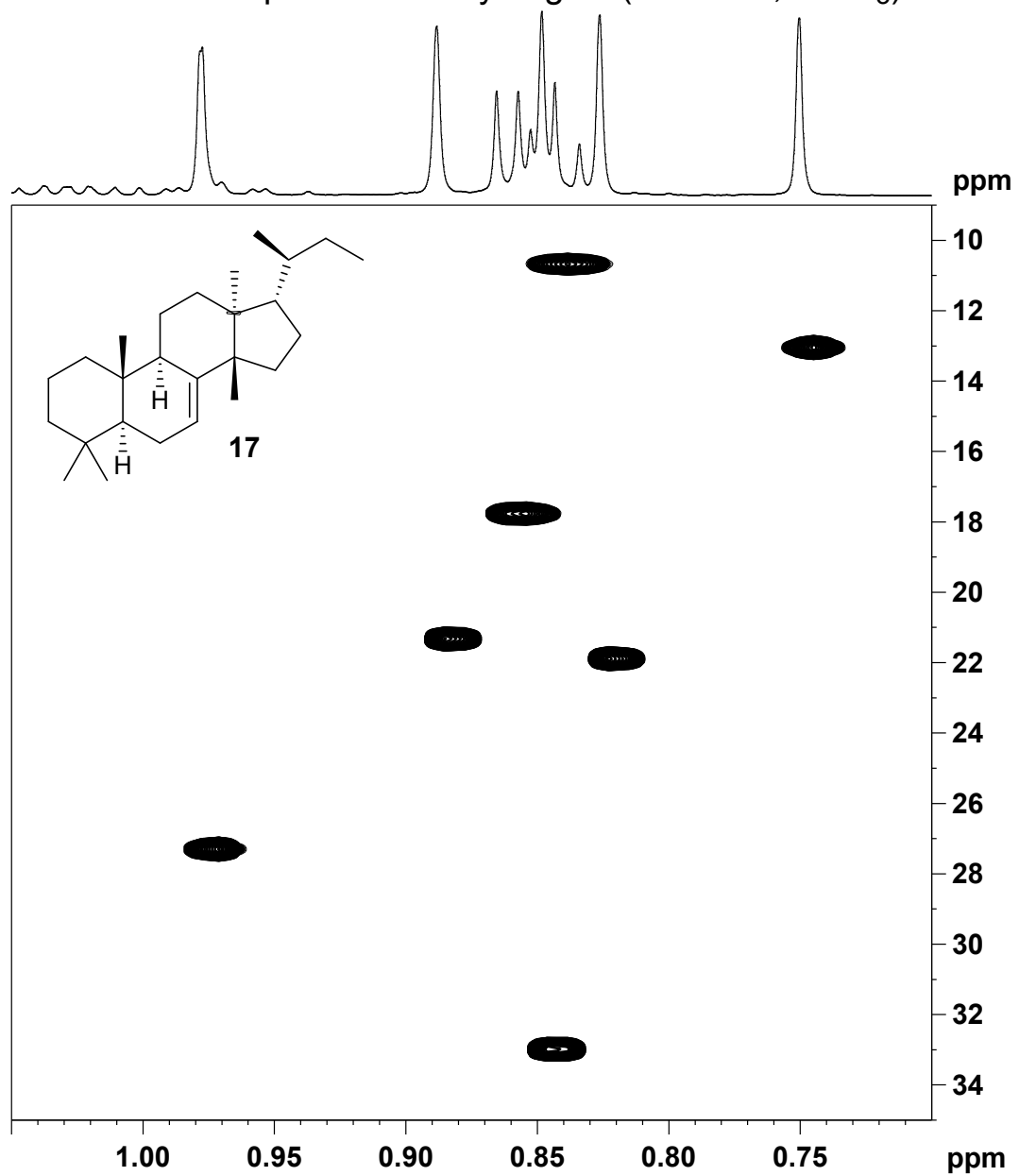


$^1\text{H-NMR}$ spectrum (600 MHz, CDCl_3)

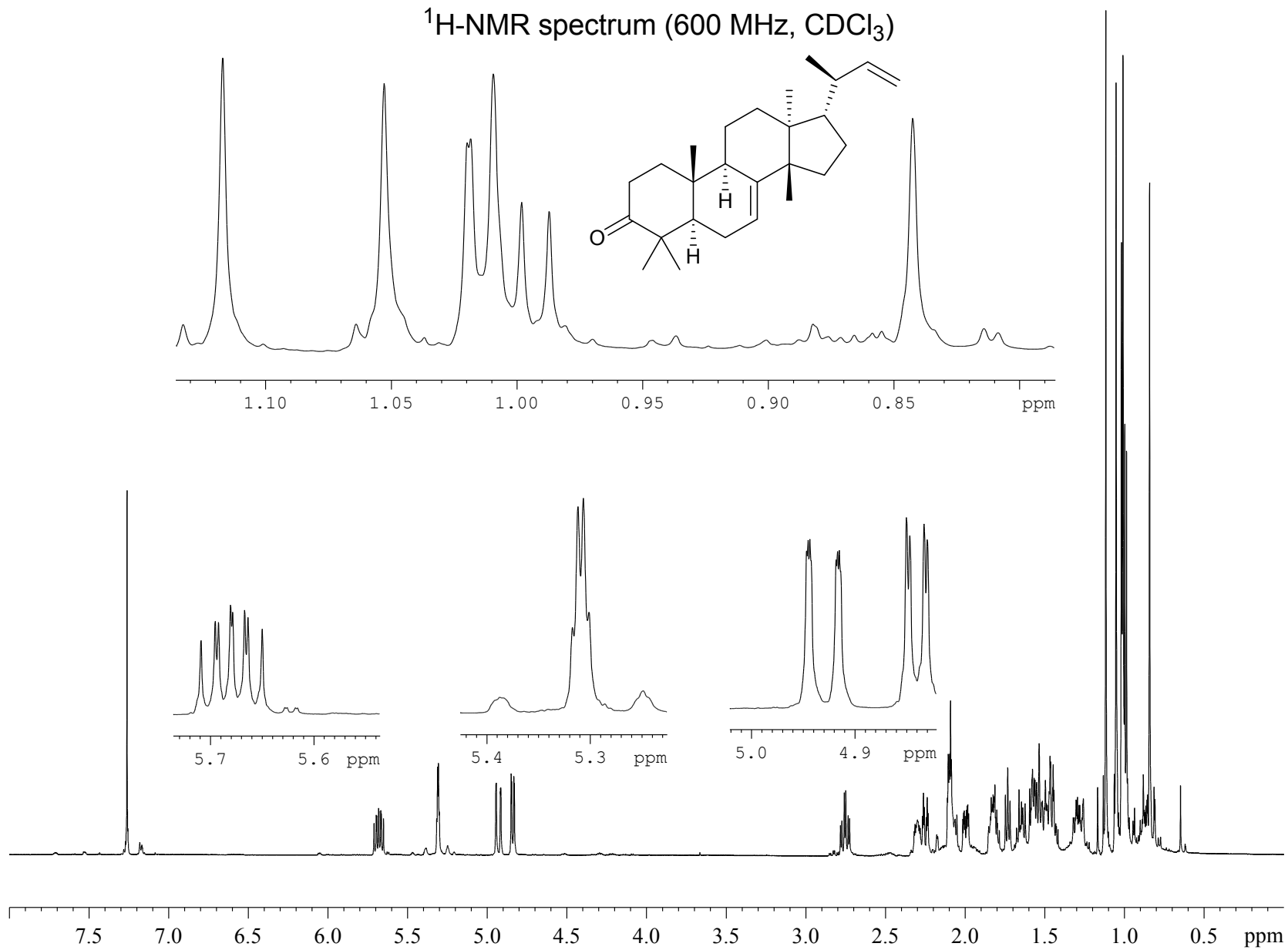




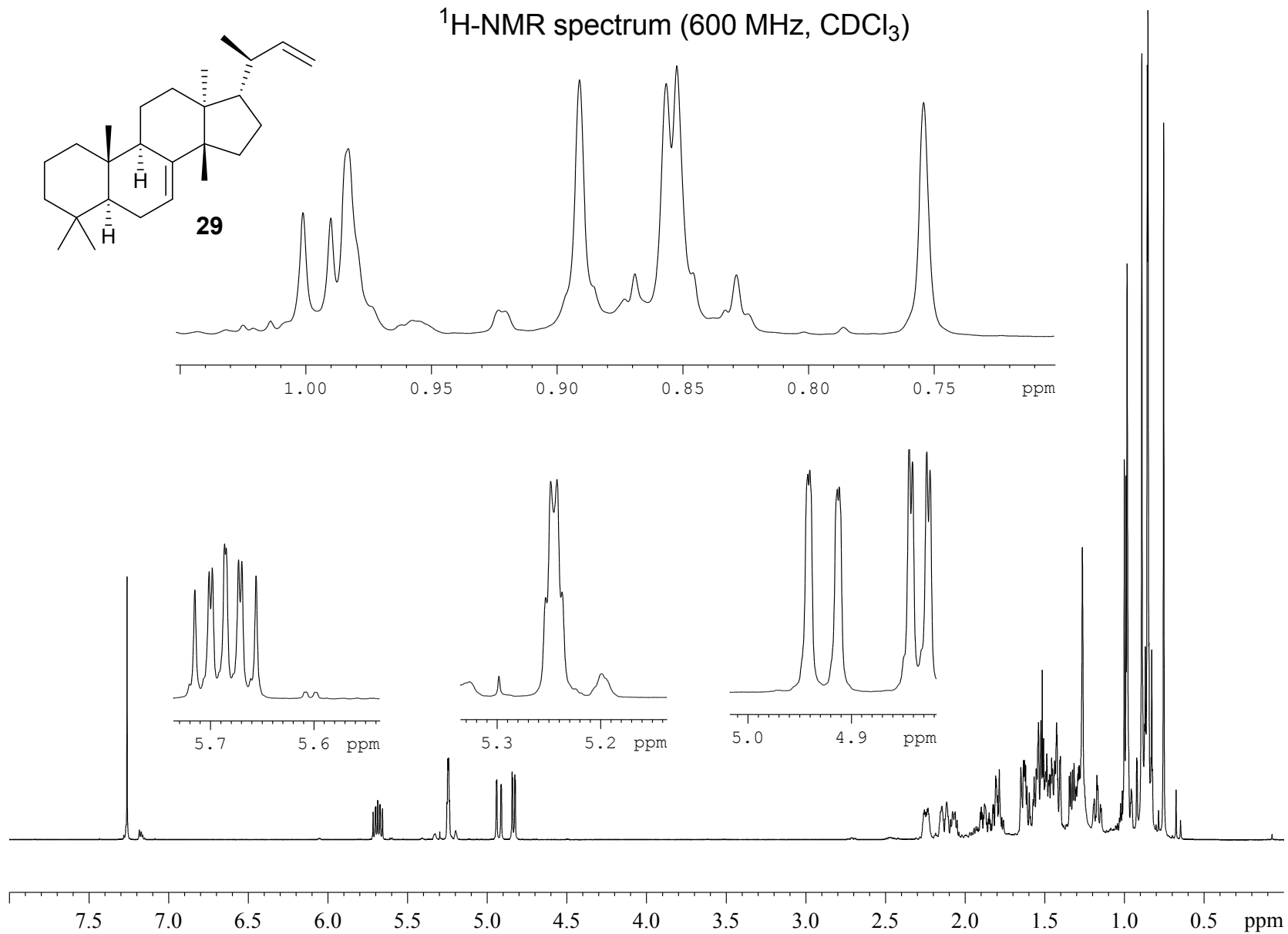
HSQC spectrum Methyl region (800 MHz, CDCl₃)

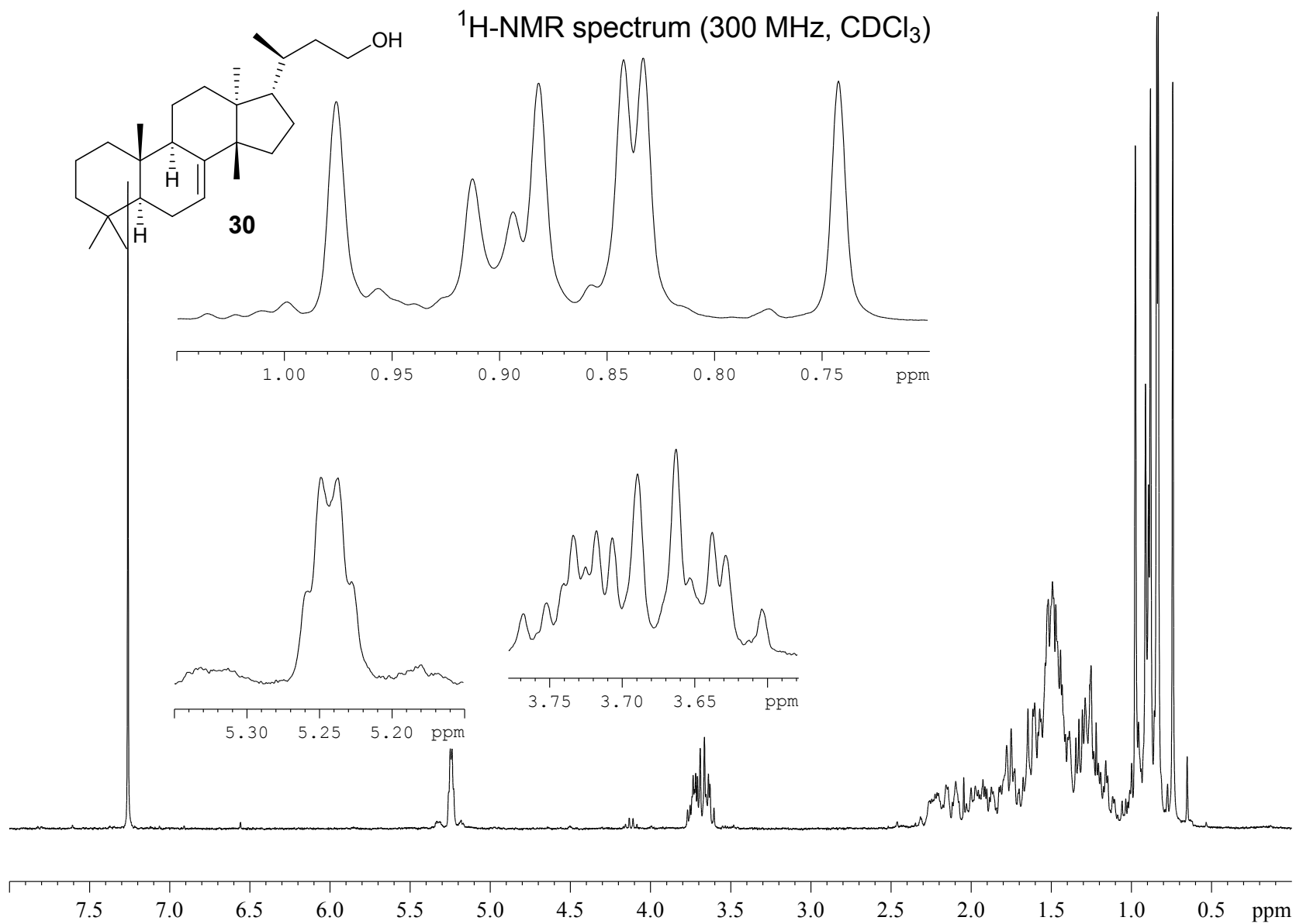


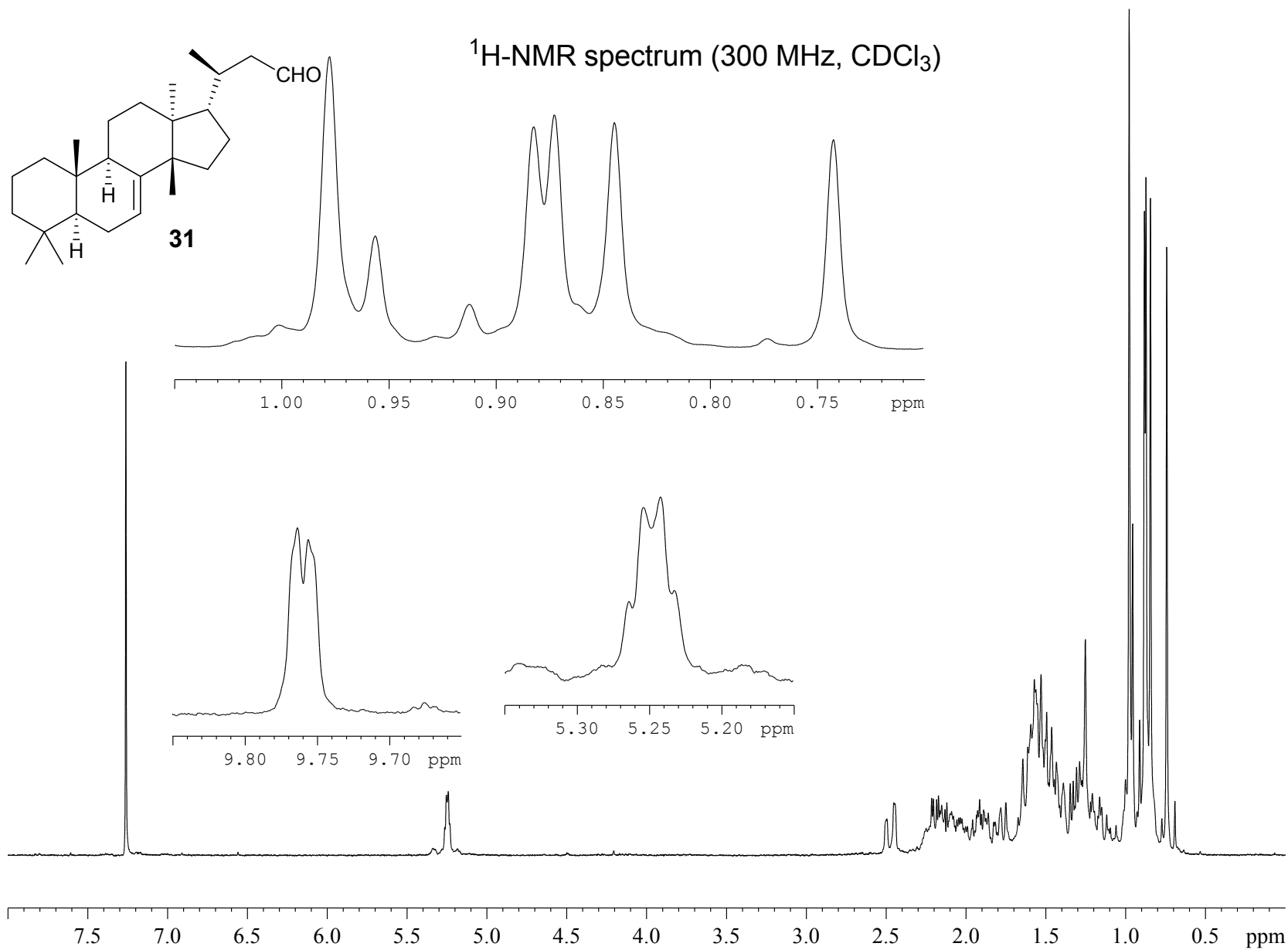
$^1\text{H-NMR}$ spectrum (600 MHz, CDCl_3)

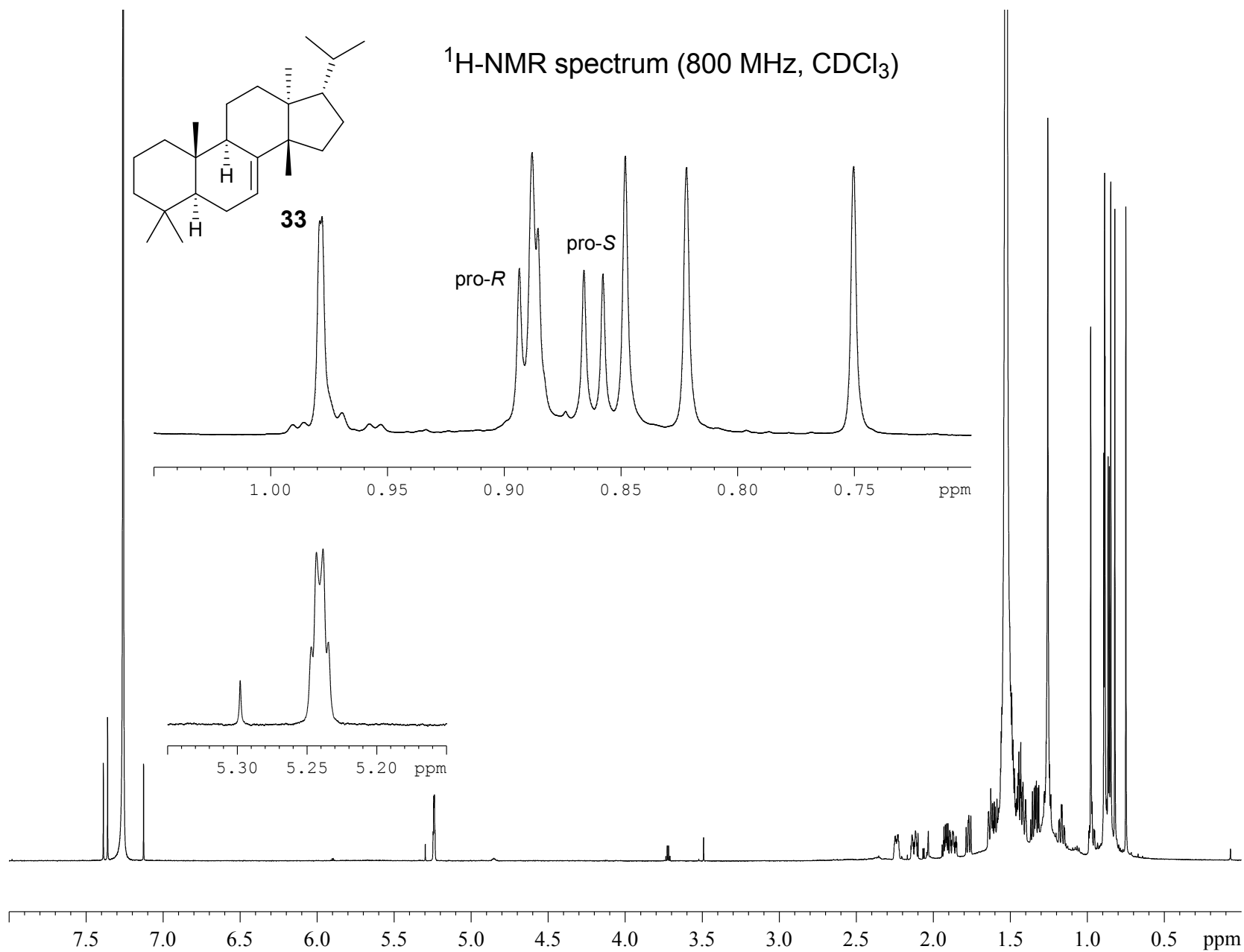


$^1\text{H-NMR}$ spectrum (600 MHz, CDCl_3)

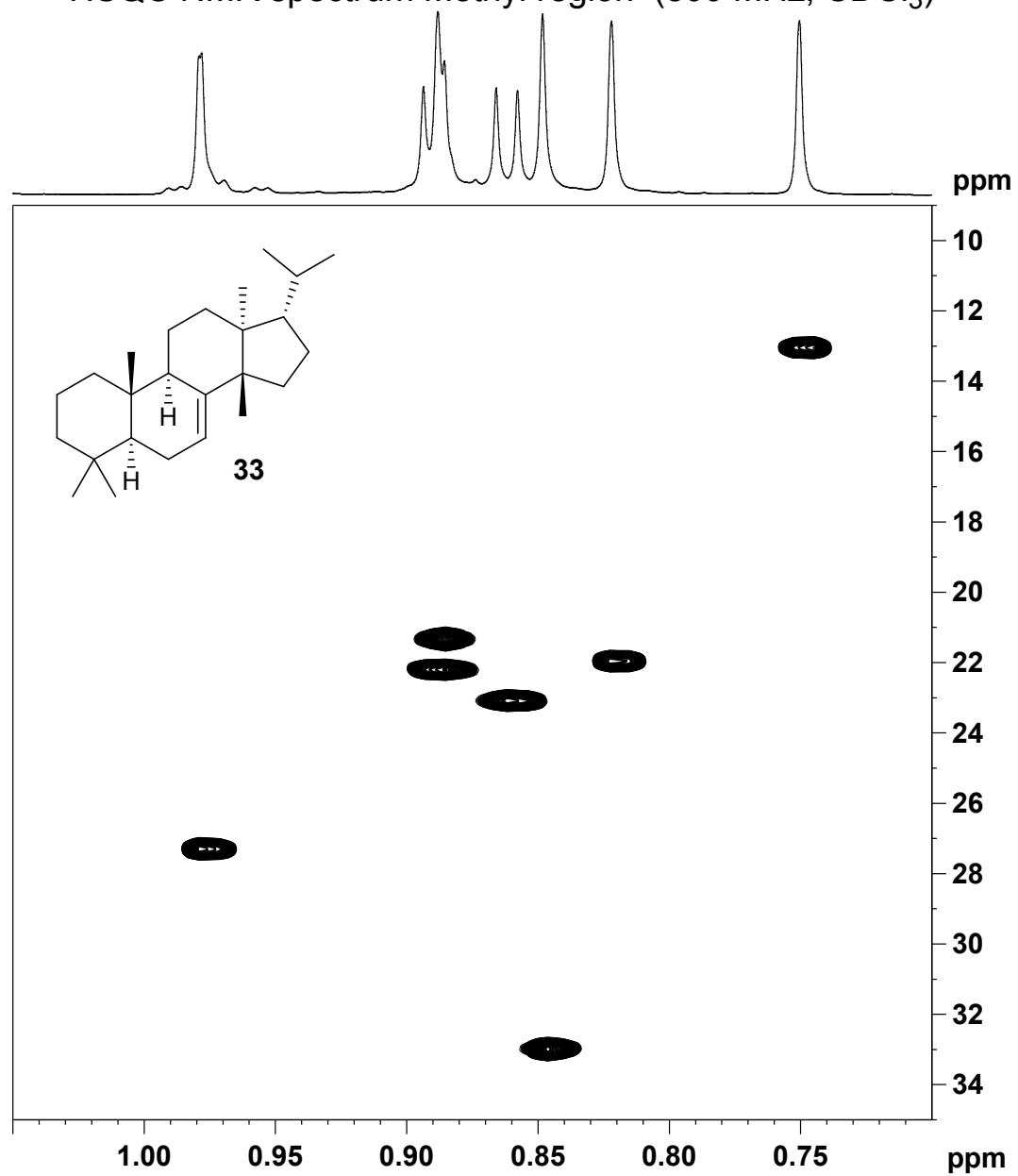


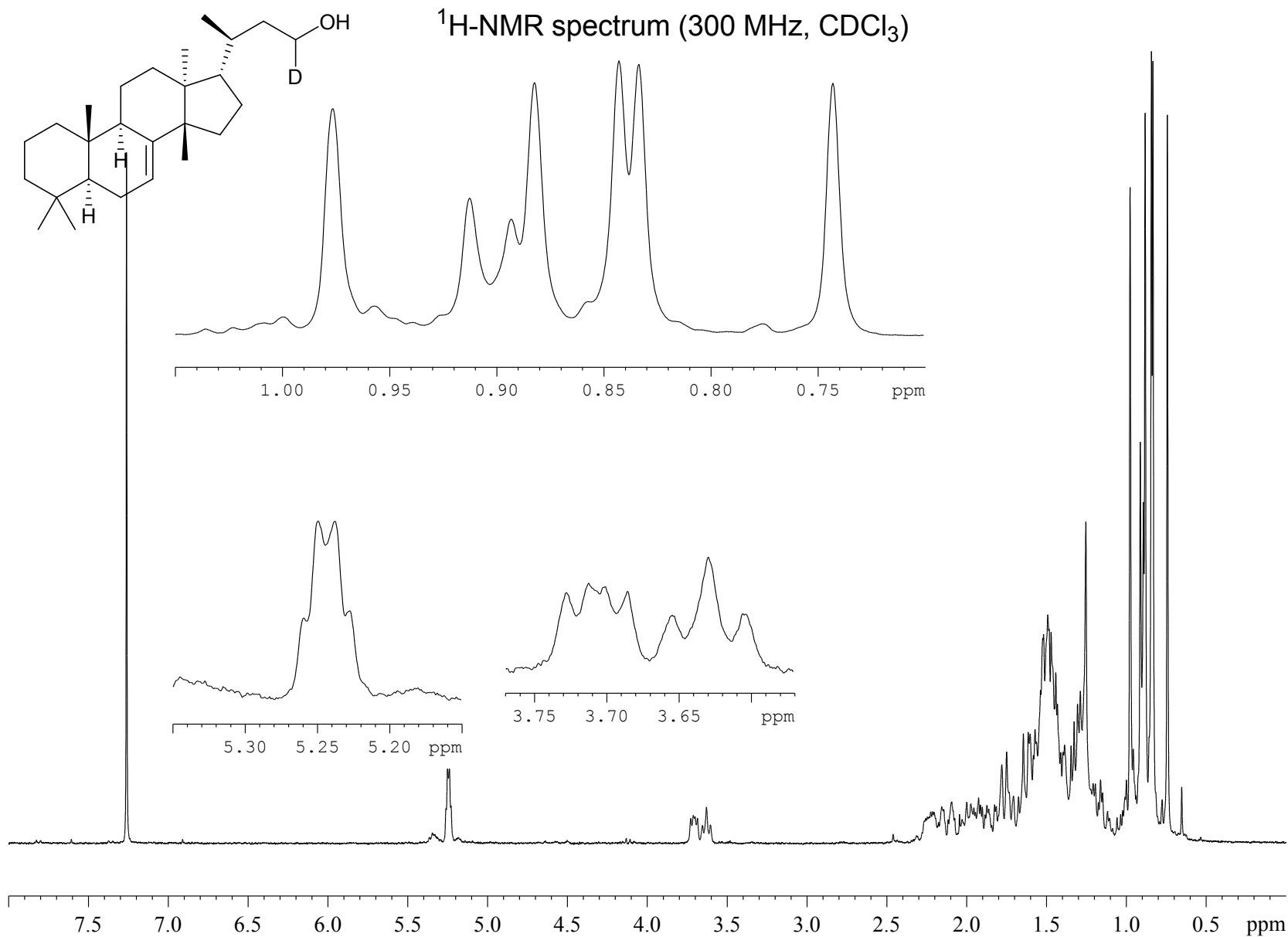


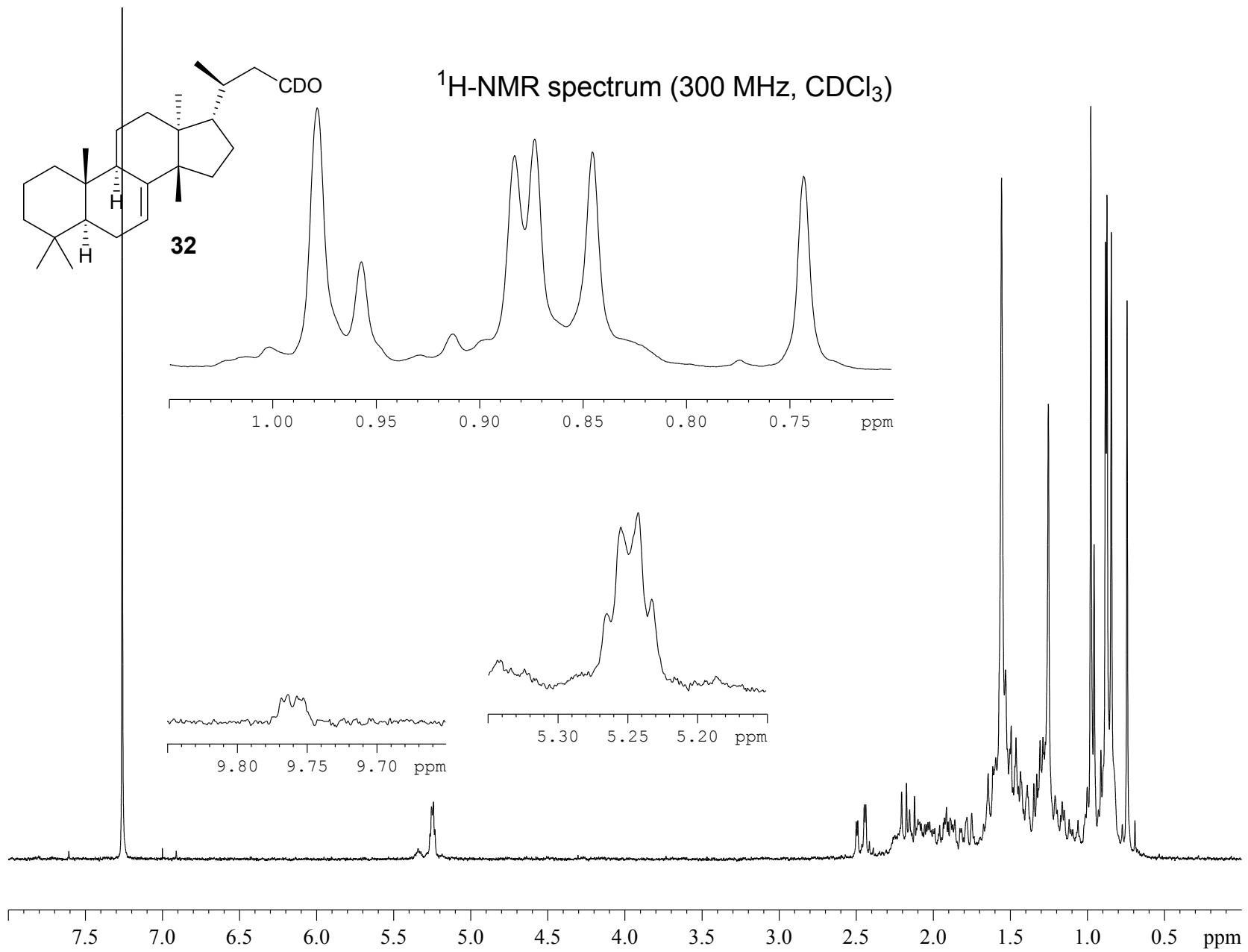


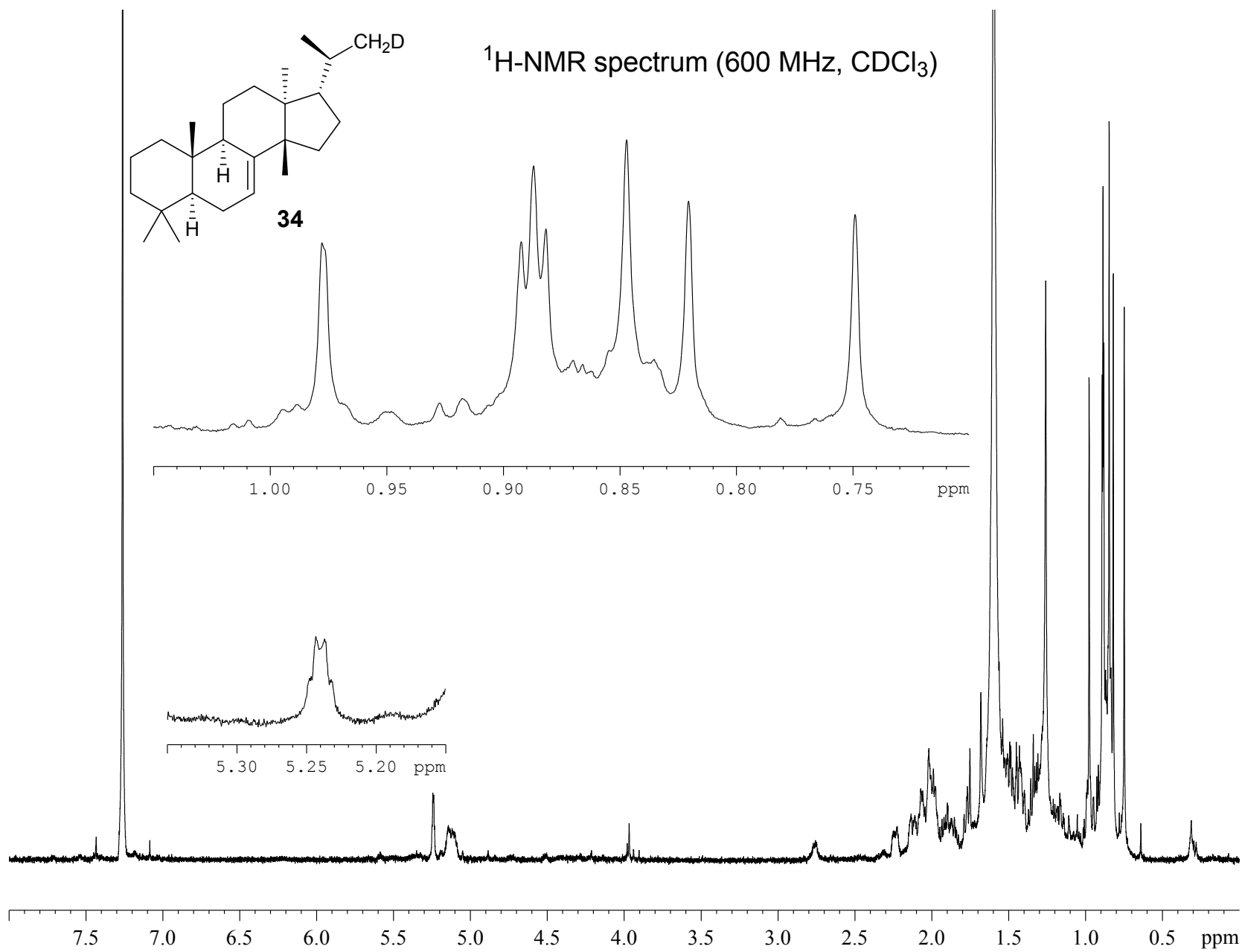


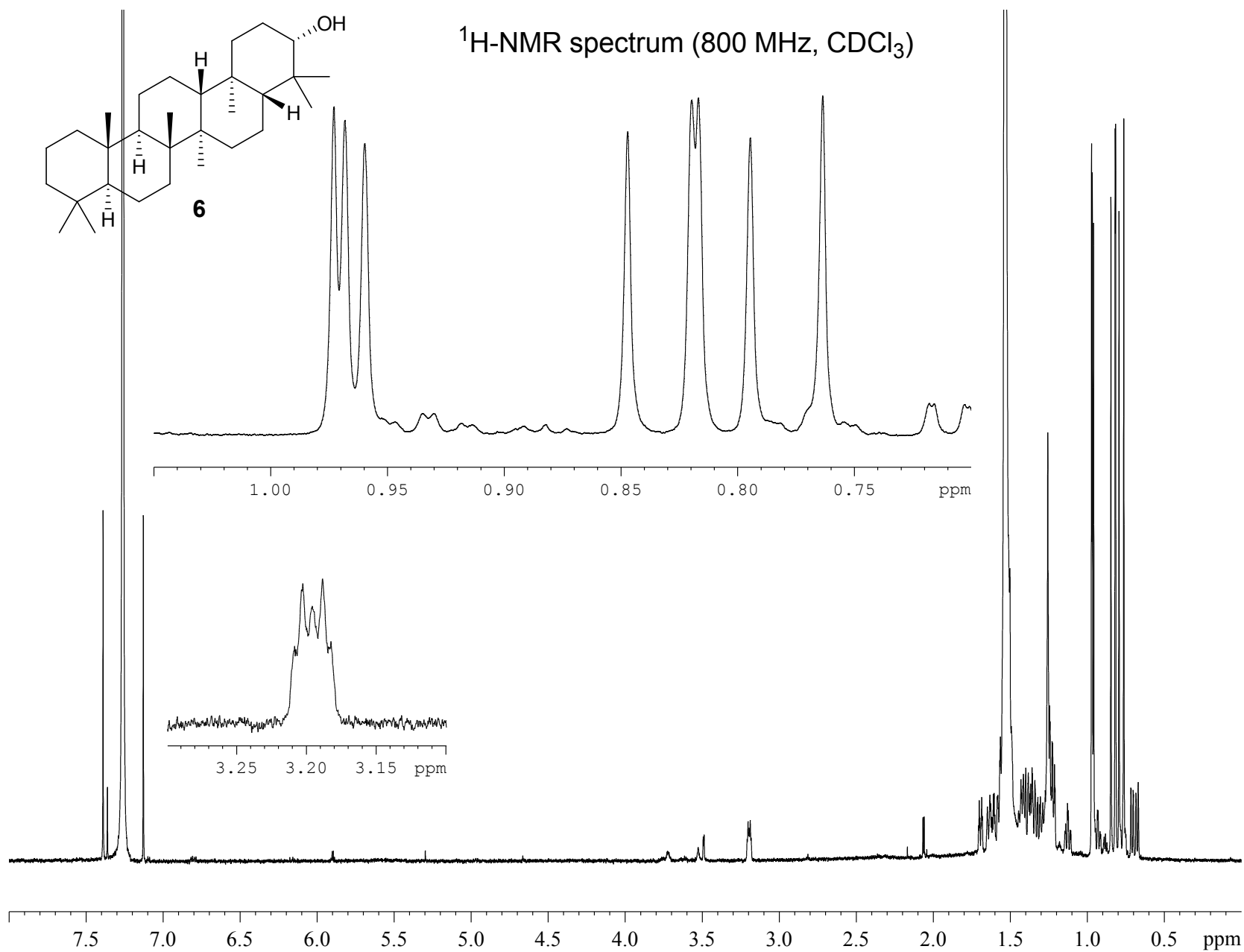
HSQC NMR spectrum Methyl region (800 MHz, CDCl₃)



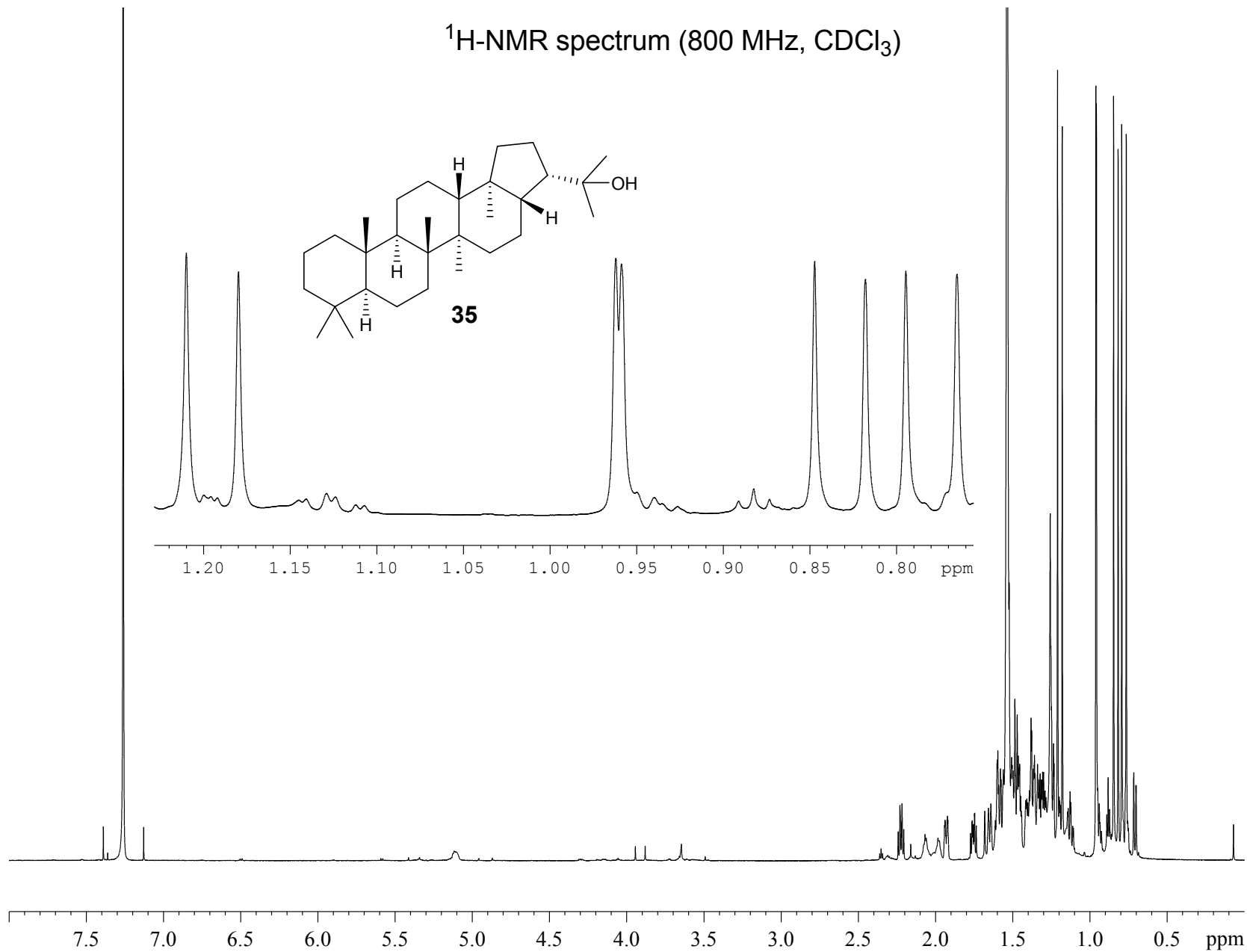


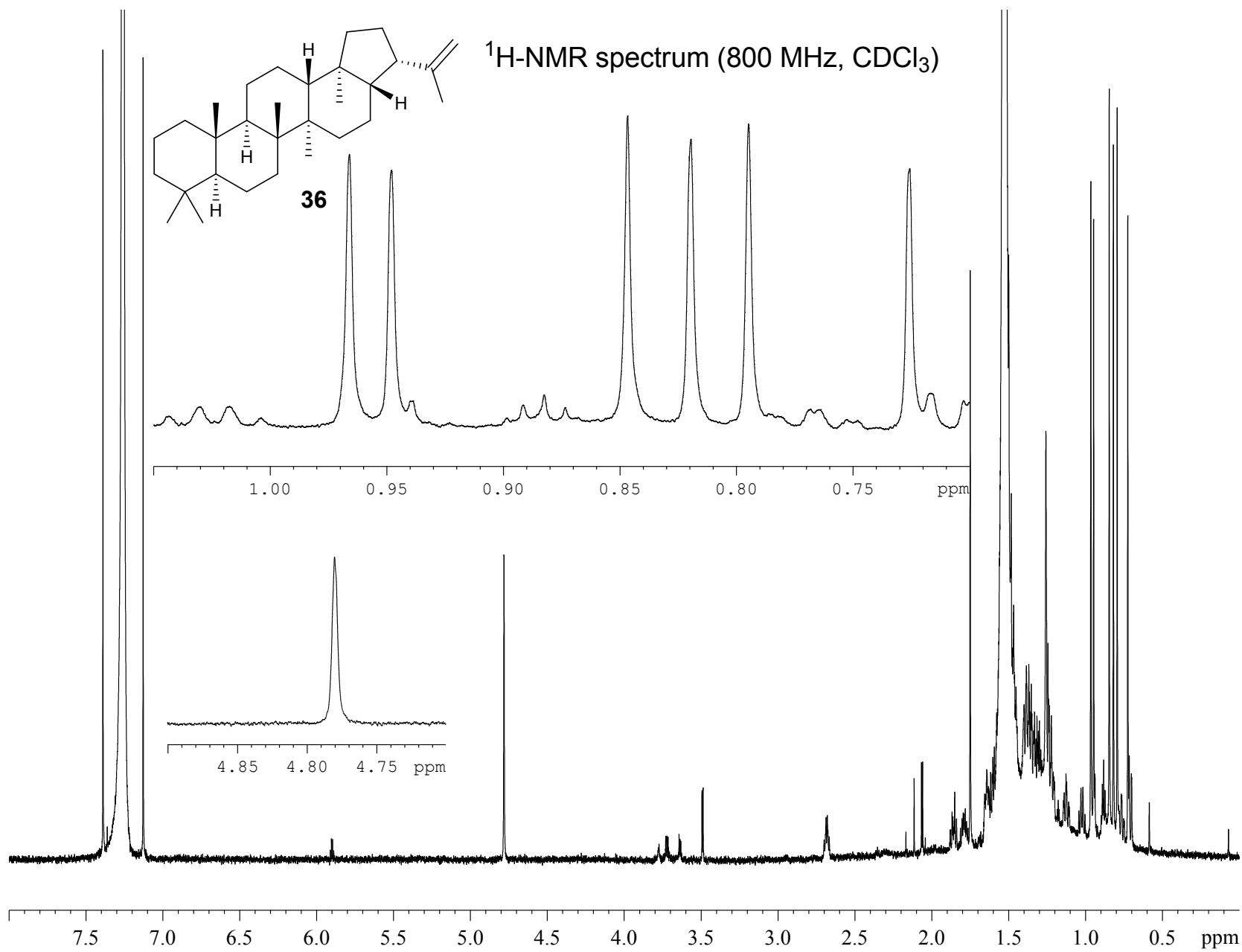




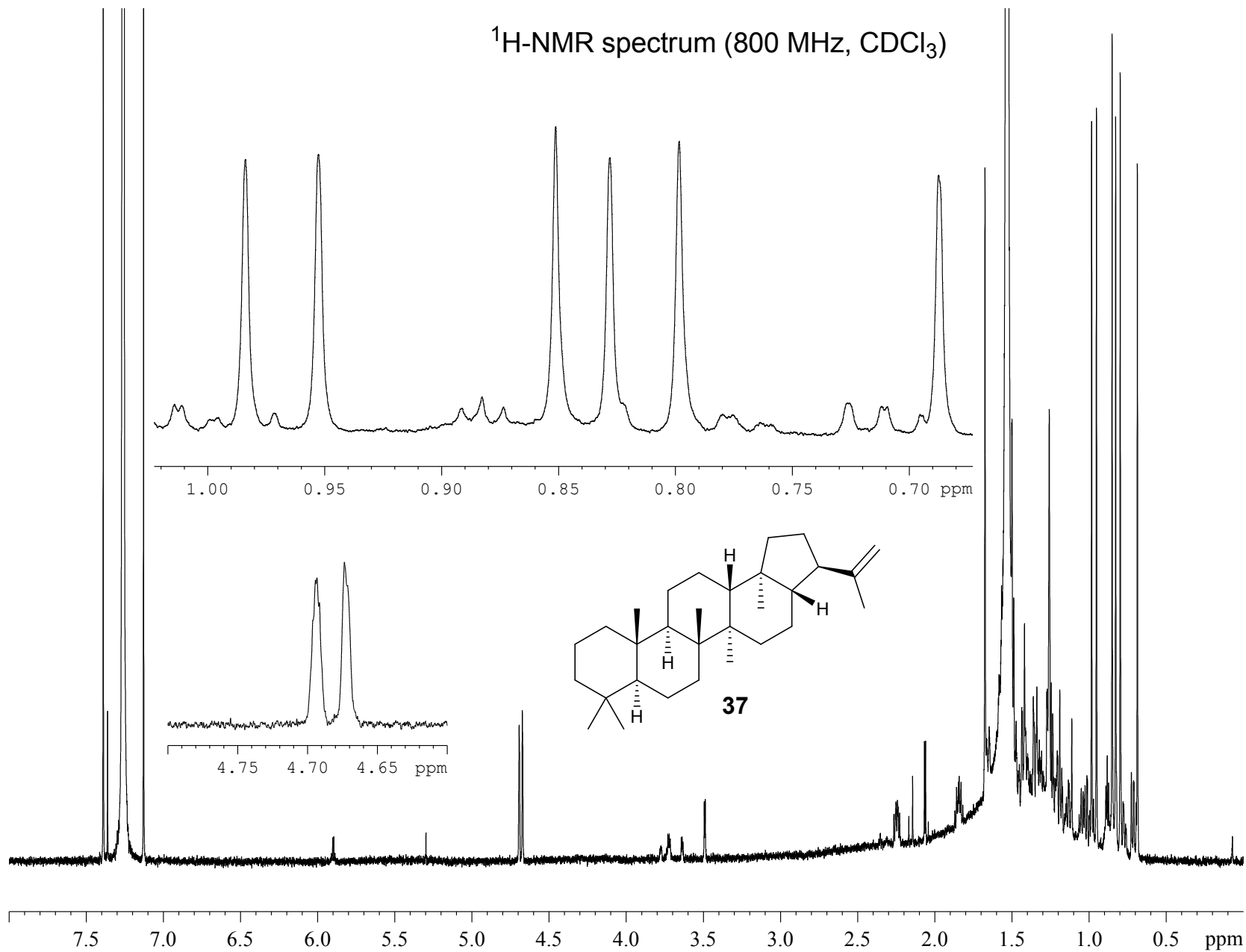


$^1\text{H-NMR}$ spectrum (800 MHz, CDCl_3)





$^1\text{H-NMR}$ spectrum (800 MHz, CDCl_3)



$^1\text{H-NMR}$ spectrum (800 MHz, CDCl_3)

