

Supplementary Information

Figure S1. ^1H -NMR spectrum of Weinreb amide **2a**.

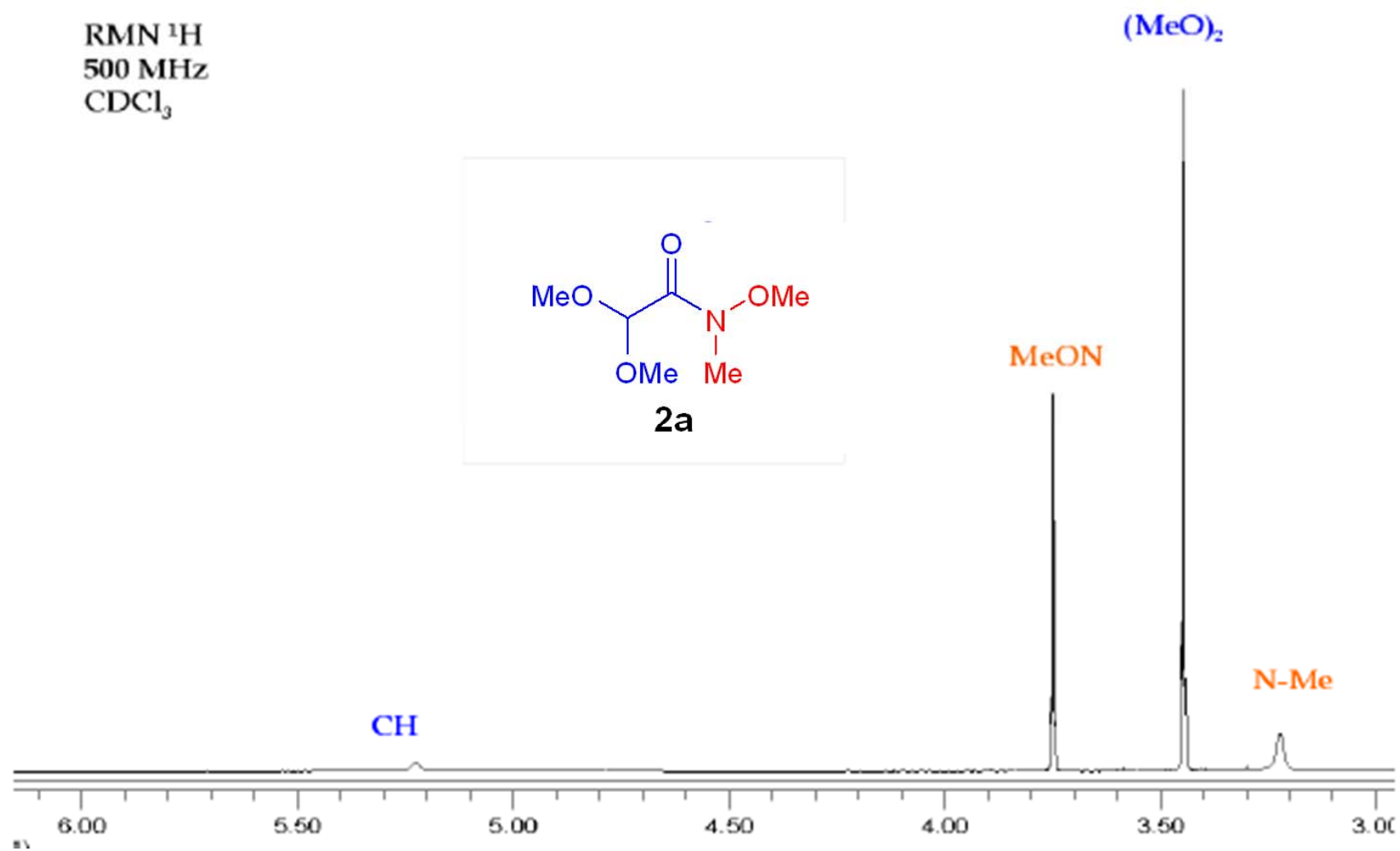


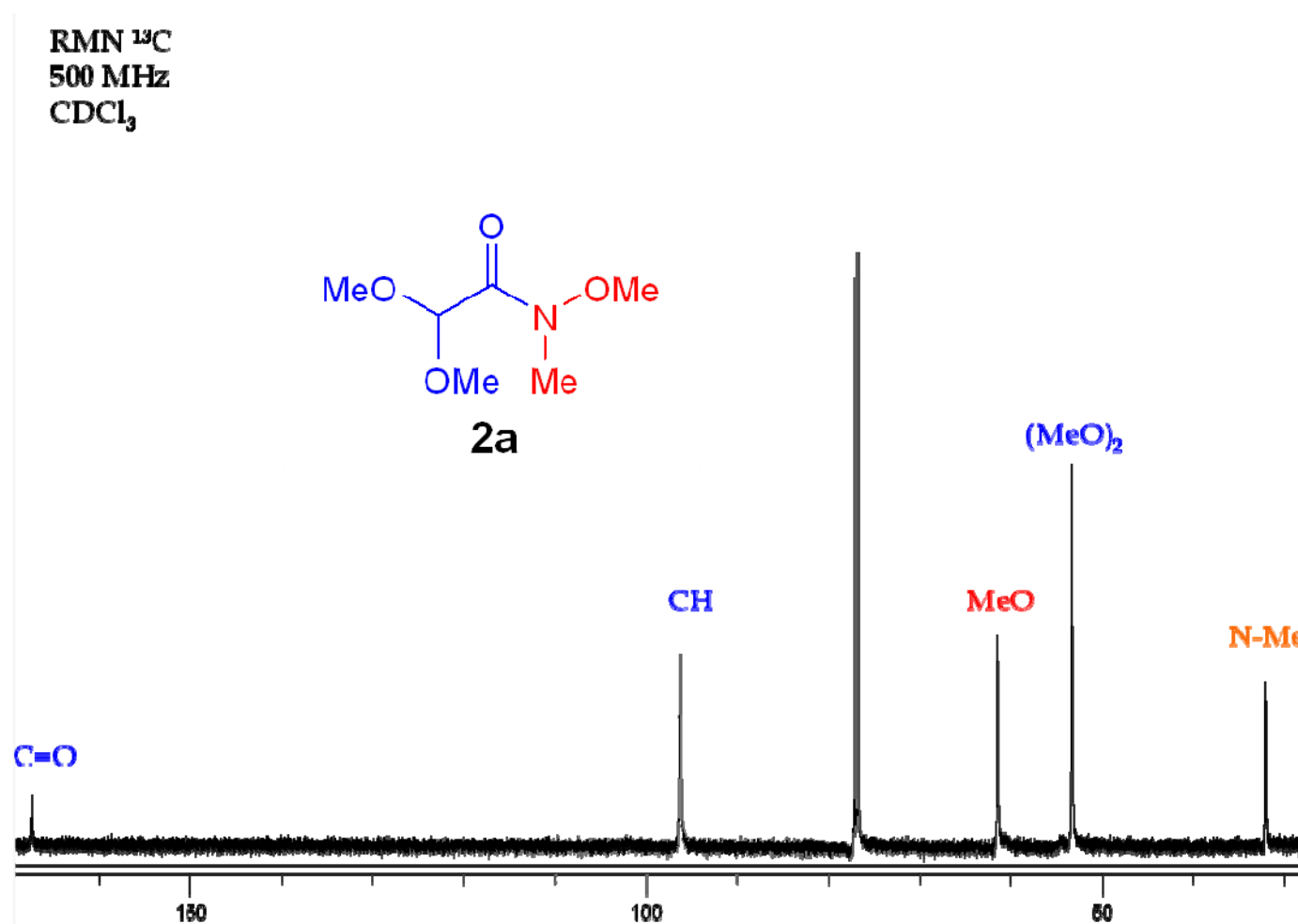
Figure S2. ^{13}C -NMR spectrum of Weinreb amide 2a.

Figure S3. IR spectrum of Weinreb amide 2a.

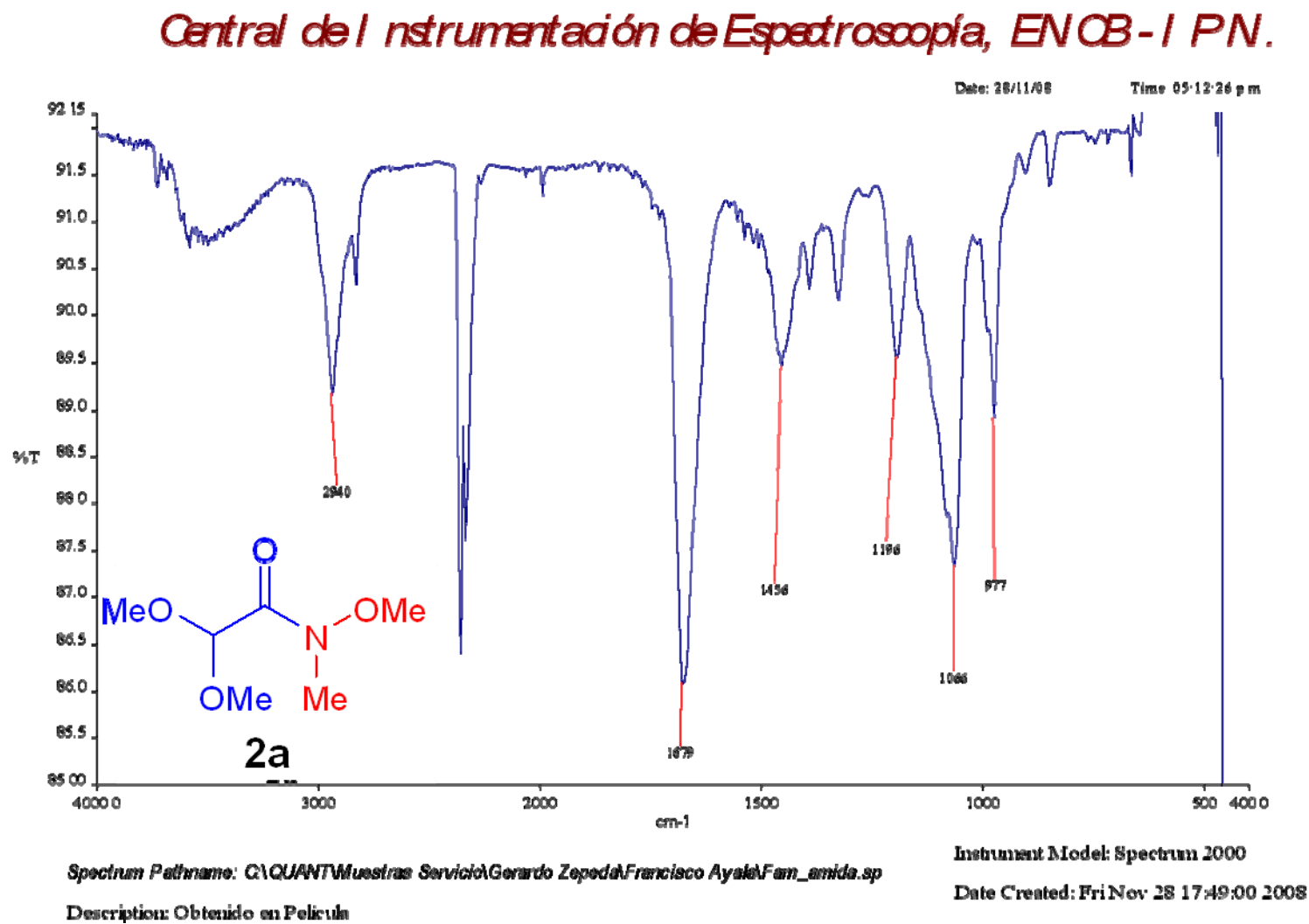


Figure S4. HR-EIMS spectrum of Weinreb amide 2a.

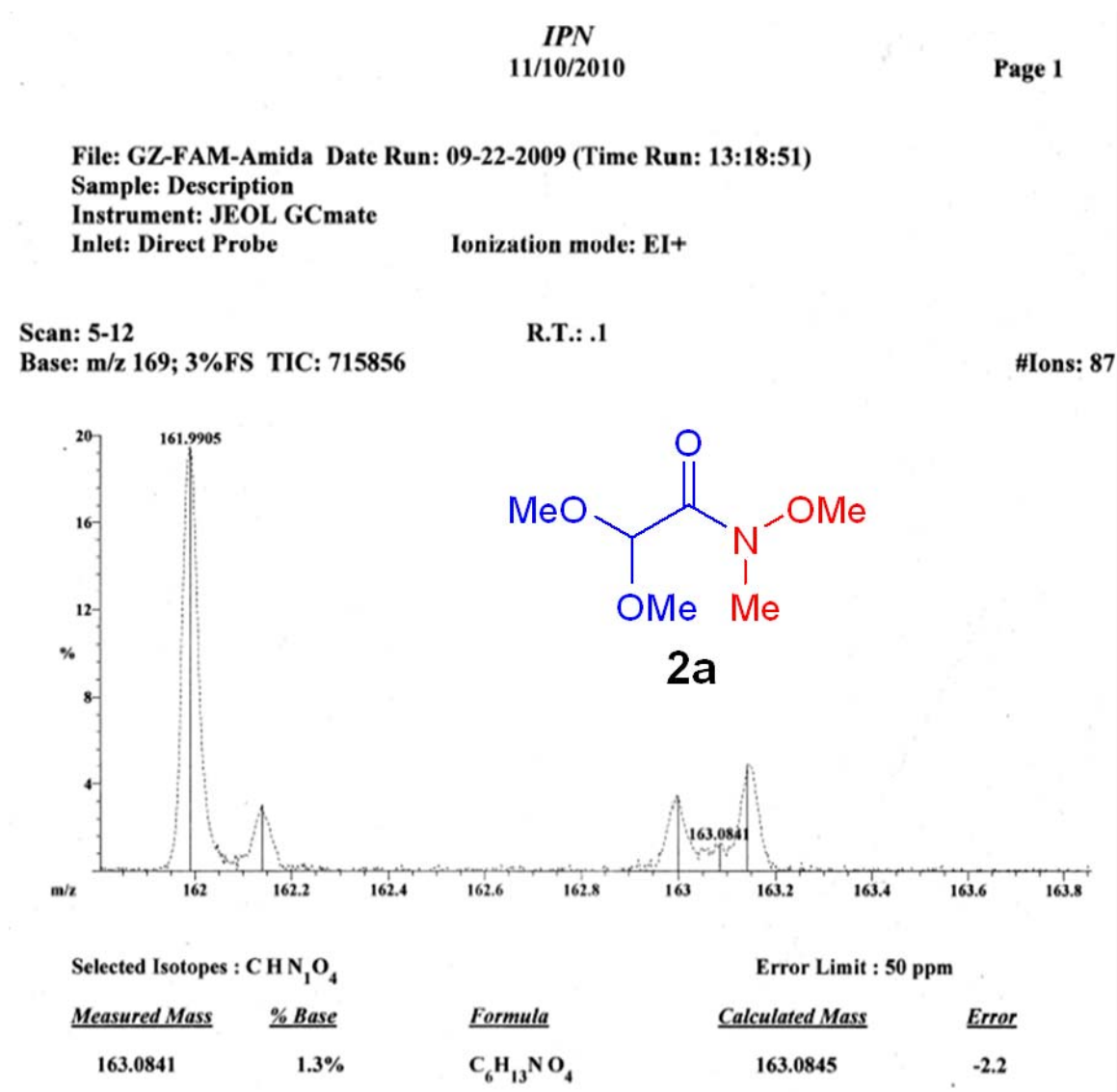


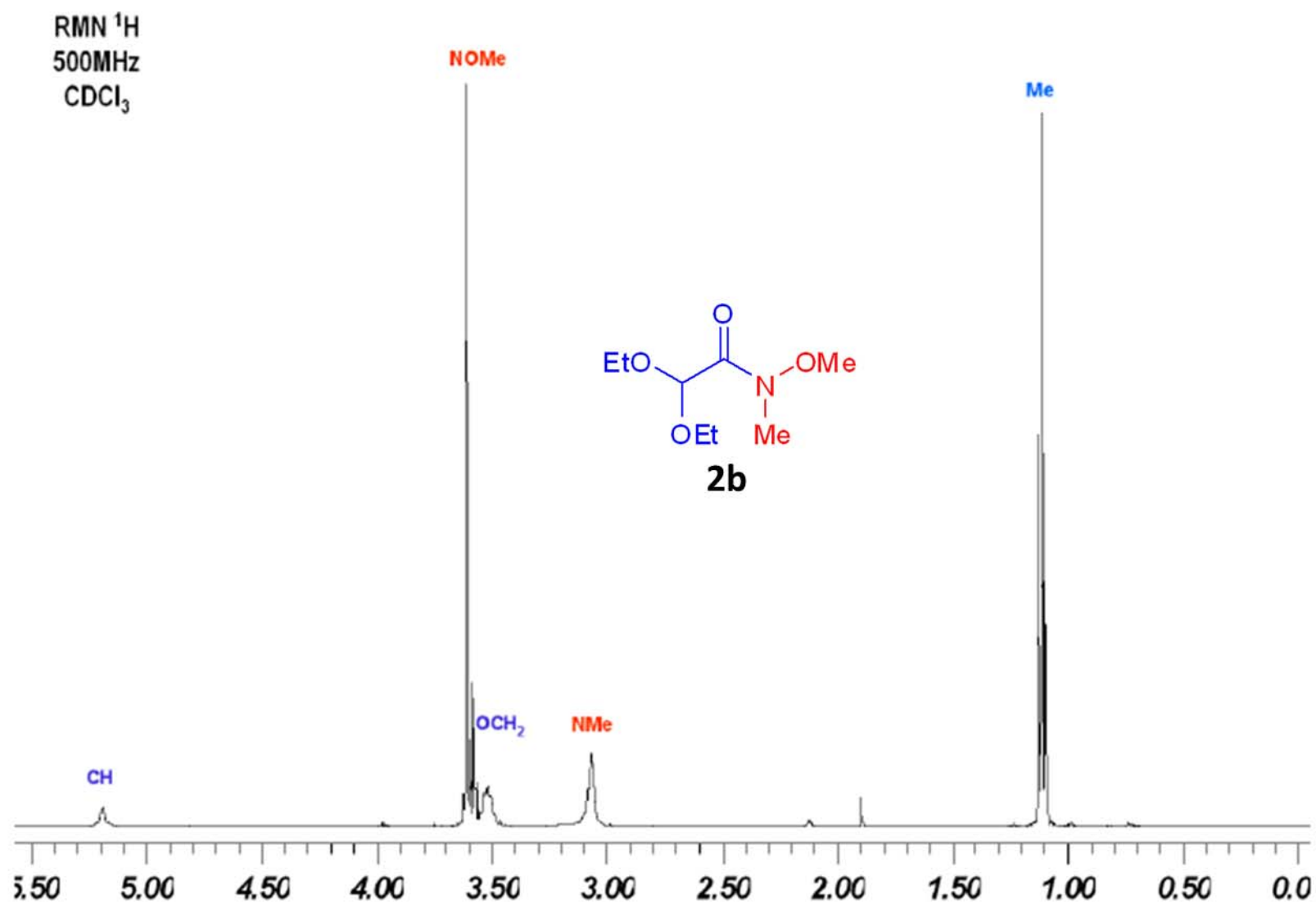
Figure S5. ^1H -NMR spectrum of Weinreb amide **2b**.

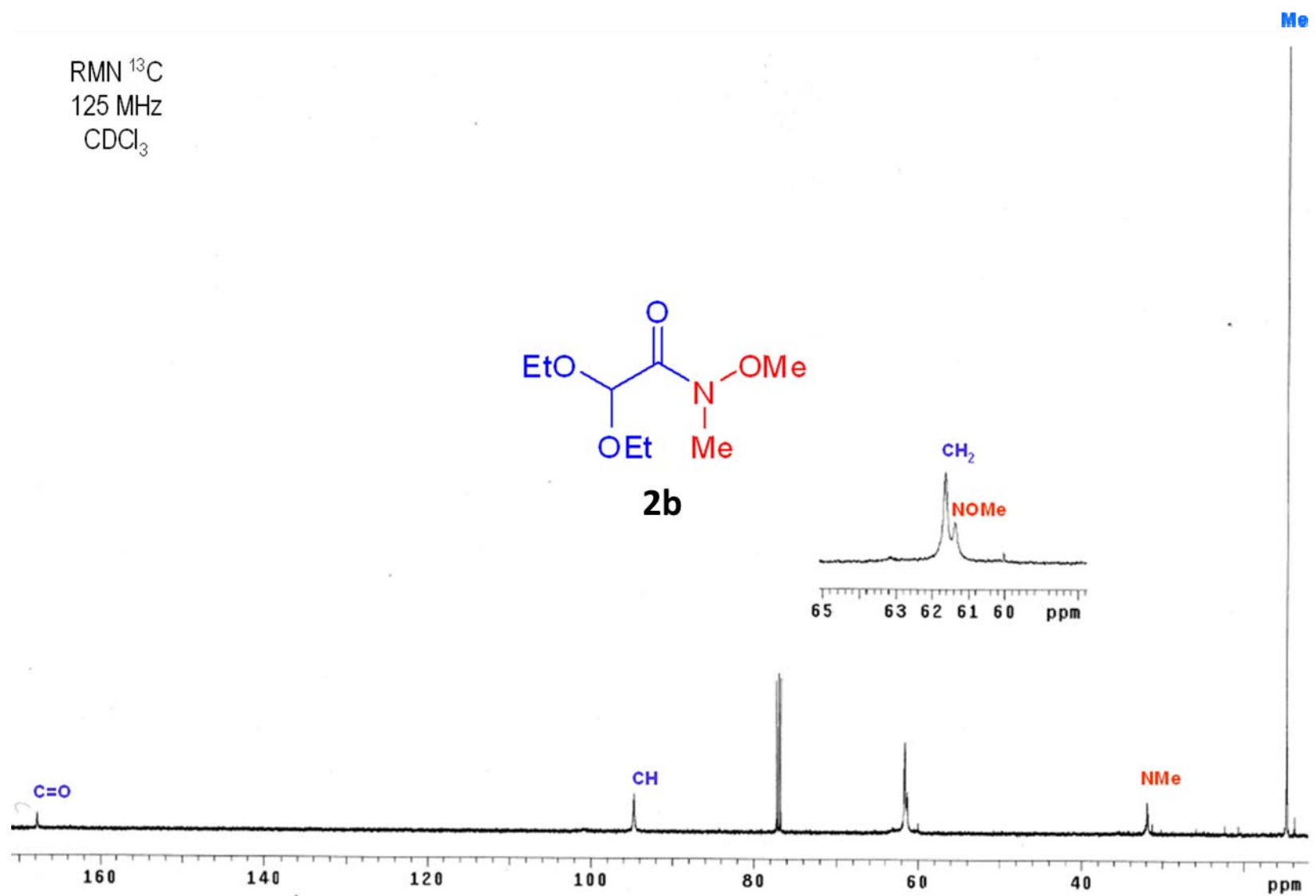
Figure S6. ^{13}C -NMR spectrum of Weinreb amide **2b**.

Figure S7. IR spectrum of Weinreb amide 2b.

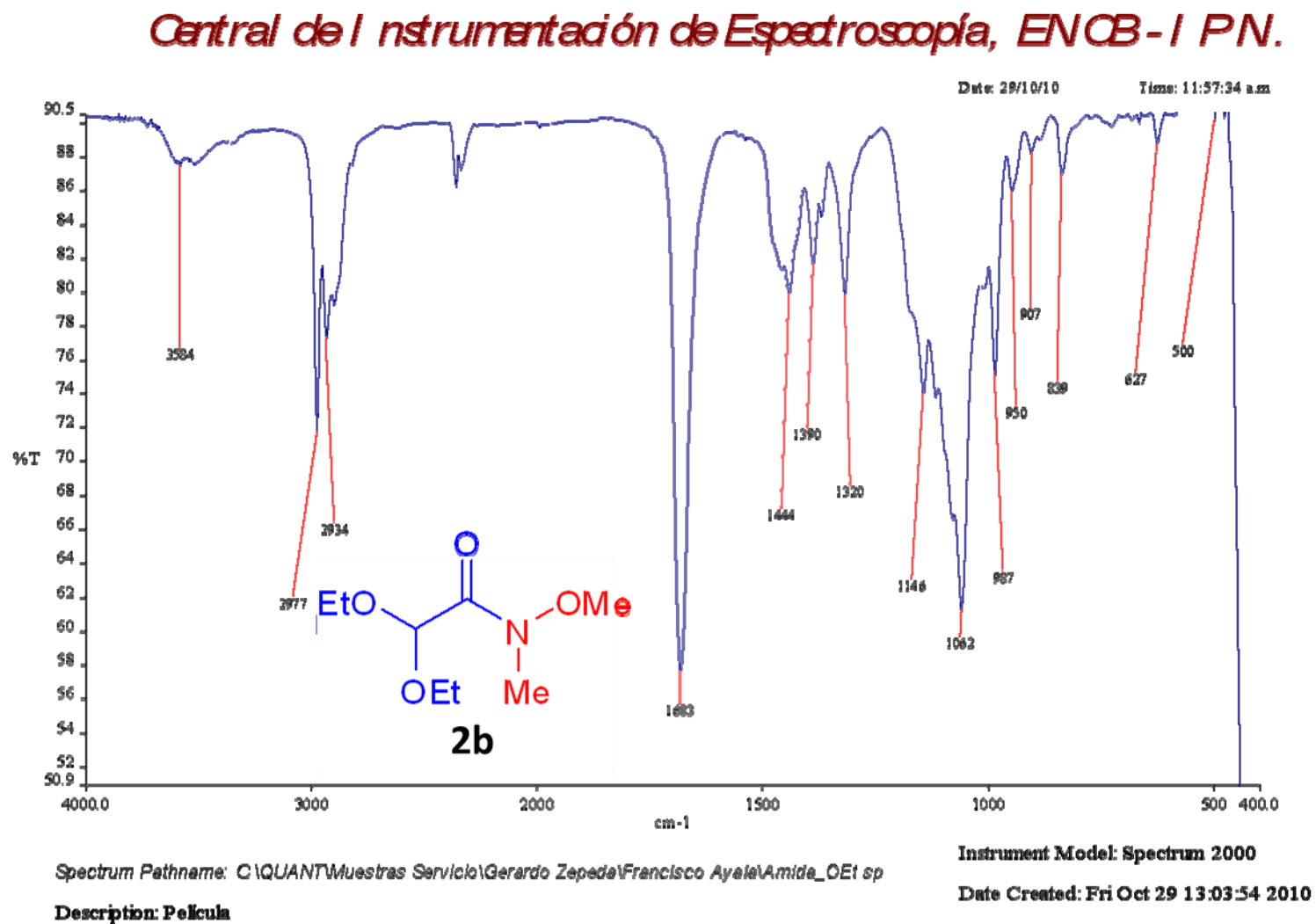


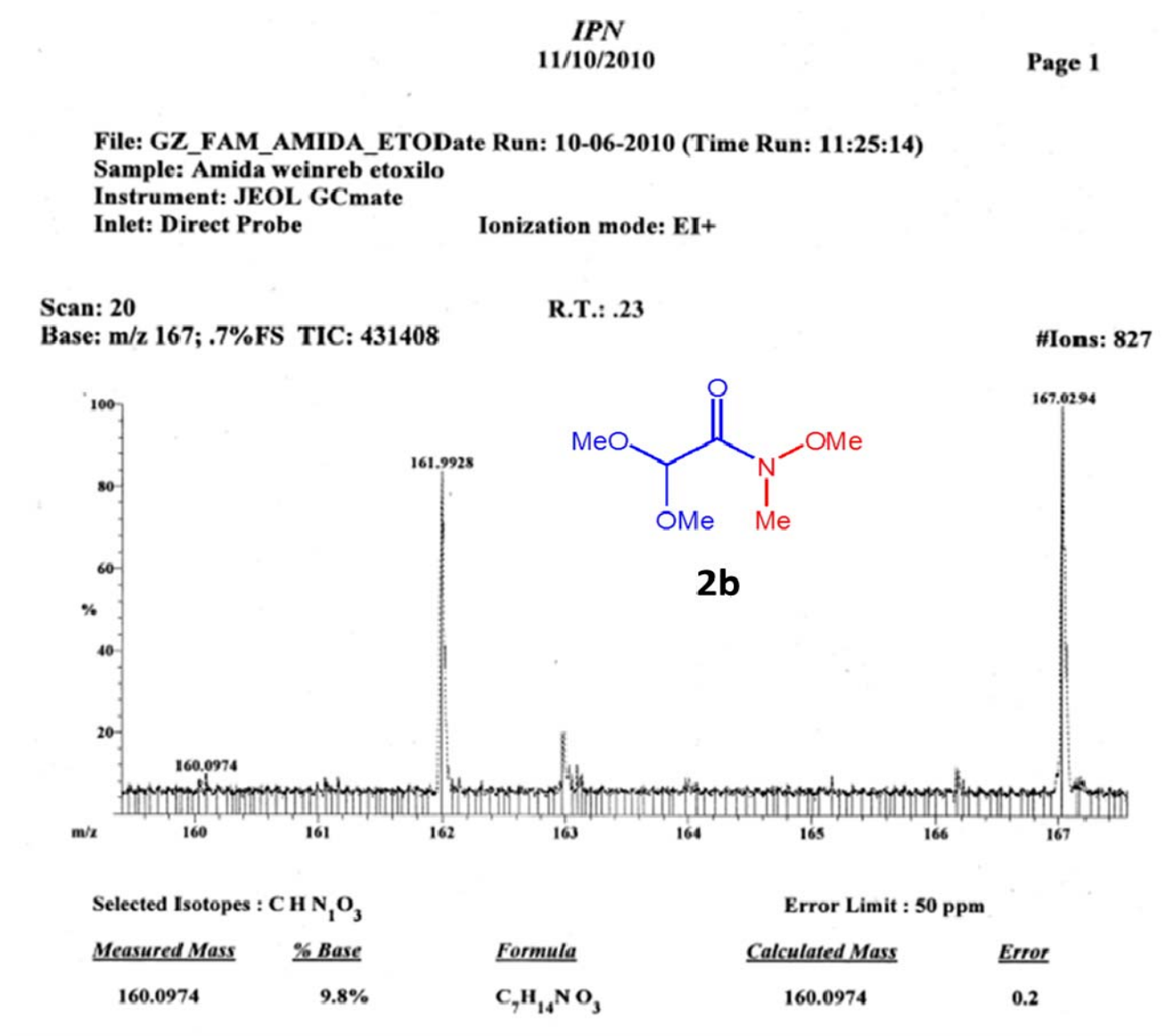
Figure S8. HR-EIMS spectrum of Weinreb amide **2b**.

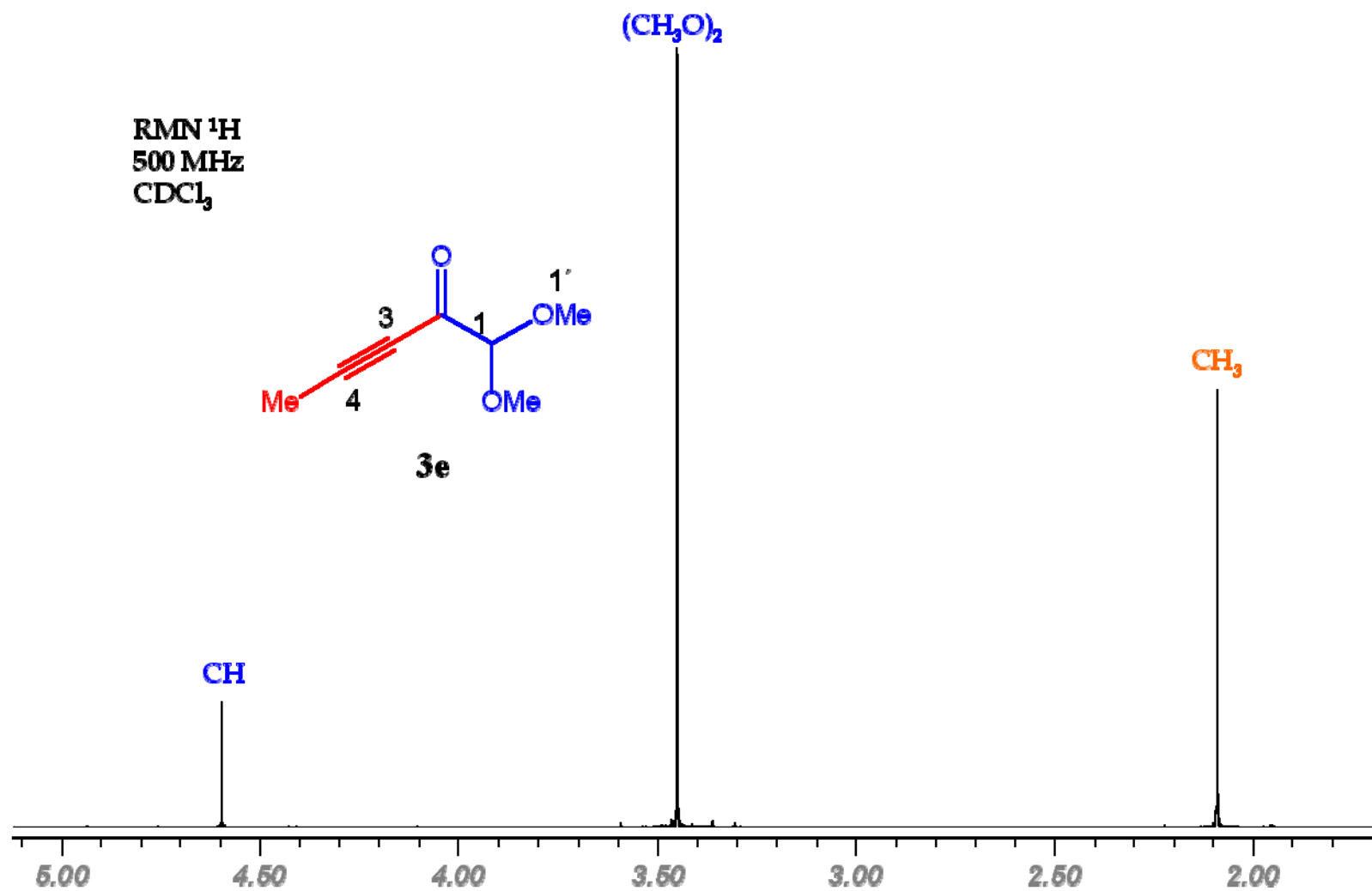
Figure S9. ^1H -NMR spectrum of α -ketoacetal **3e**.

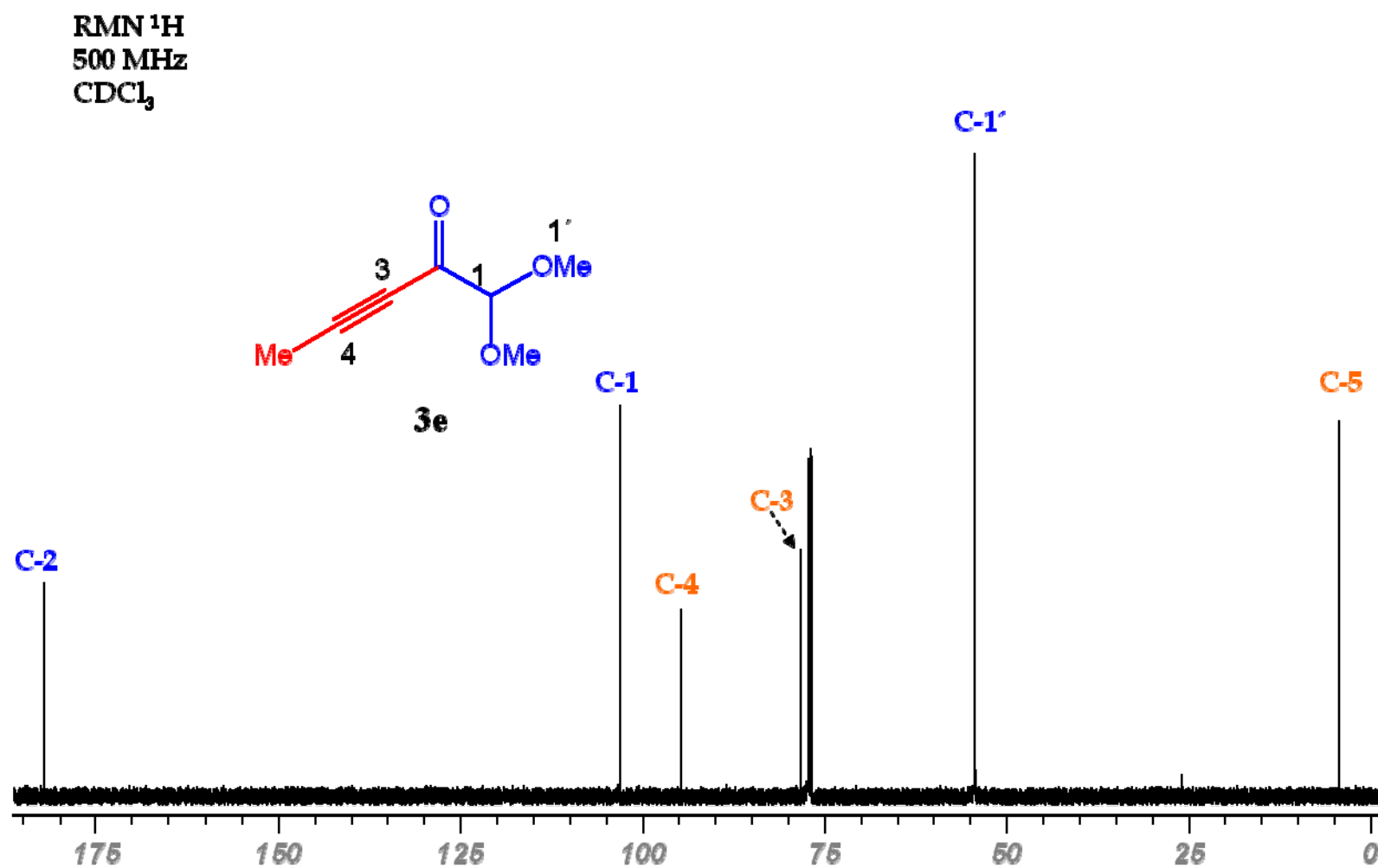
Figure S10. ^{13}C -NMR spectrum of α -ketoacetal **3e**.

Figure S11. IR spectrum of α -ketoacetal 3e.

Central de Instrumentación de Espectroscopía, ENCB-IPN.

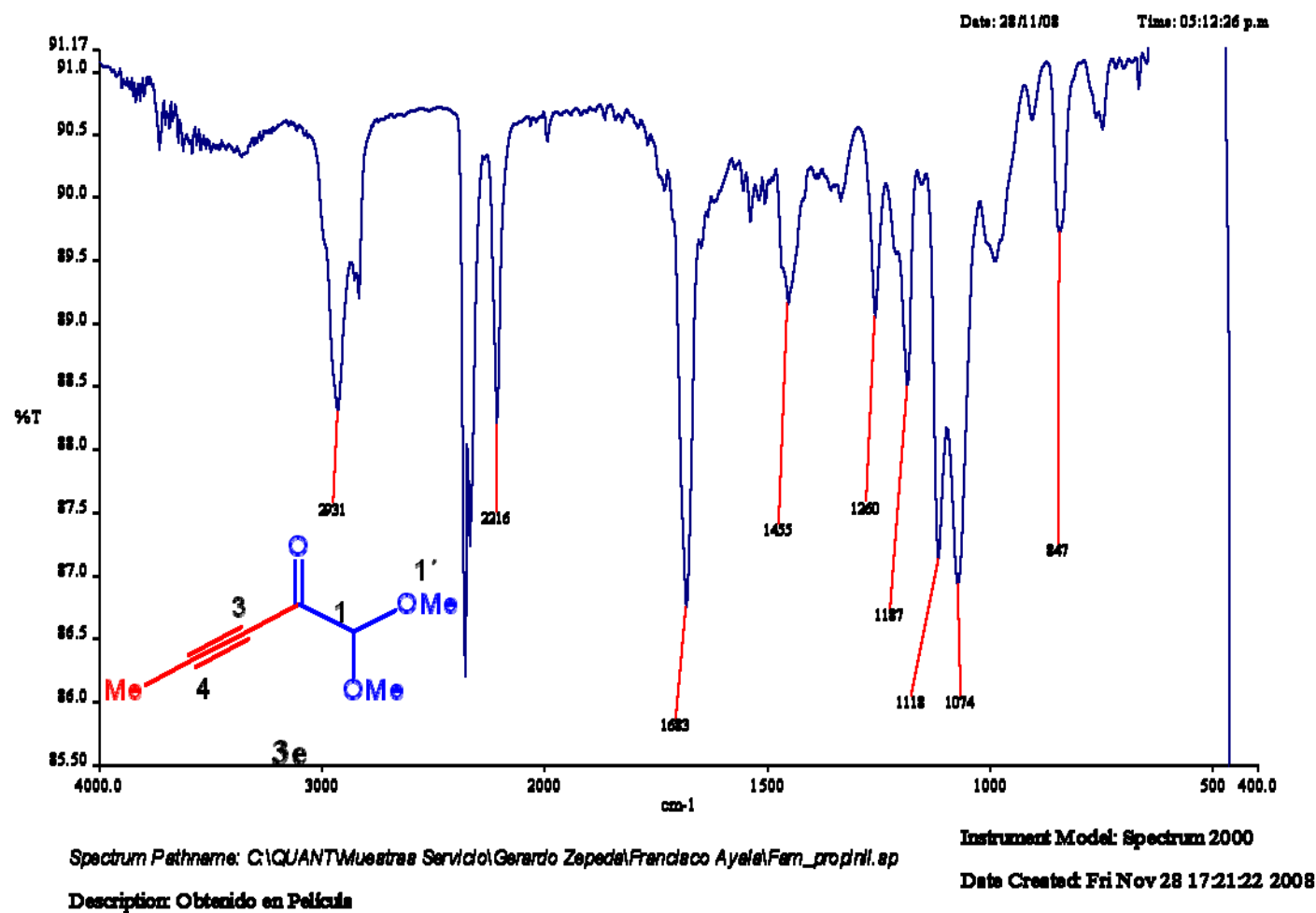


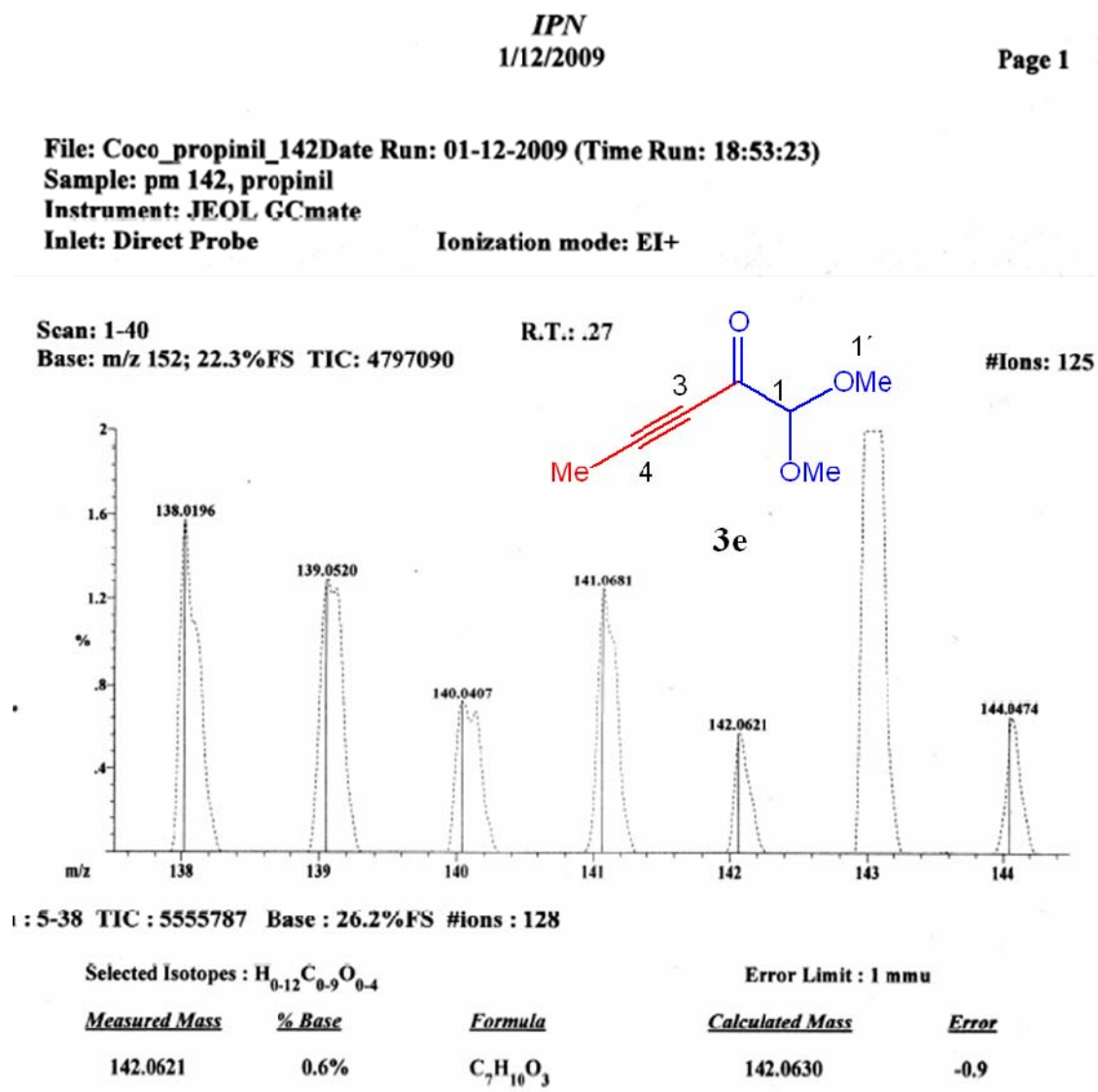
Figure S12. HR-EIMS spectrum of α -ketoacetal 3e.

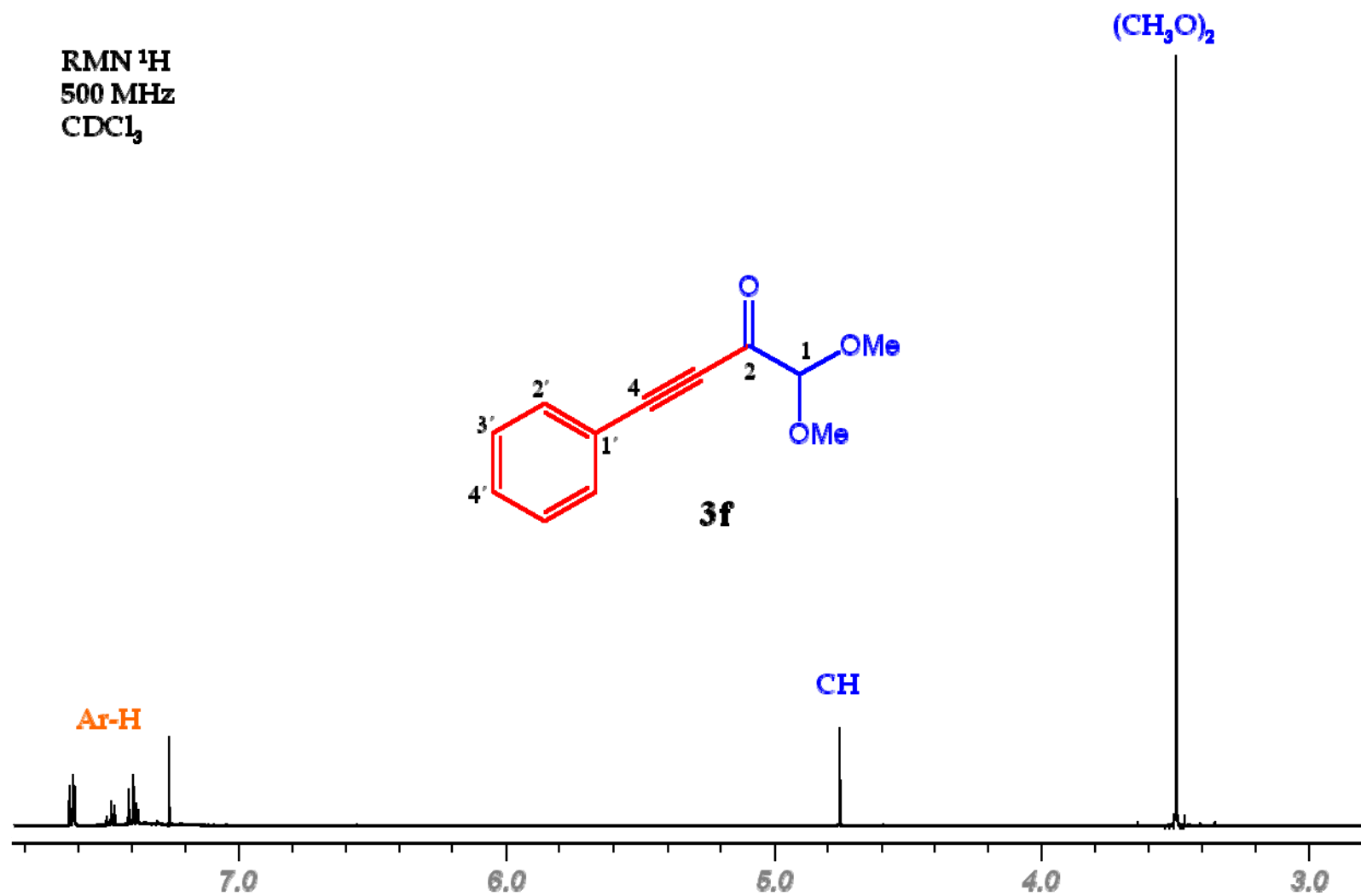
Figure S13. ^1H NMR spectrum of α -ketoacetal **3f**.

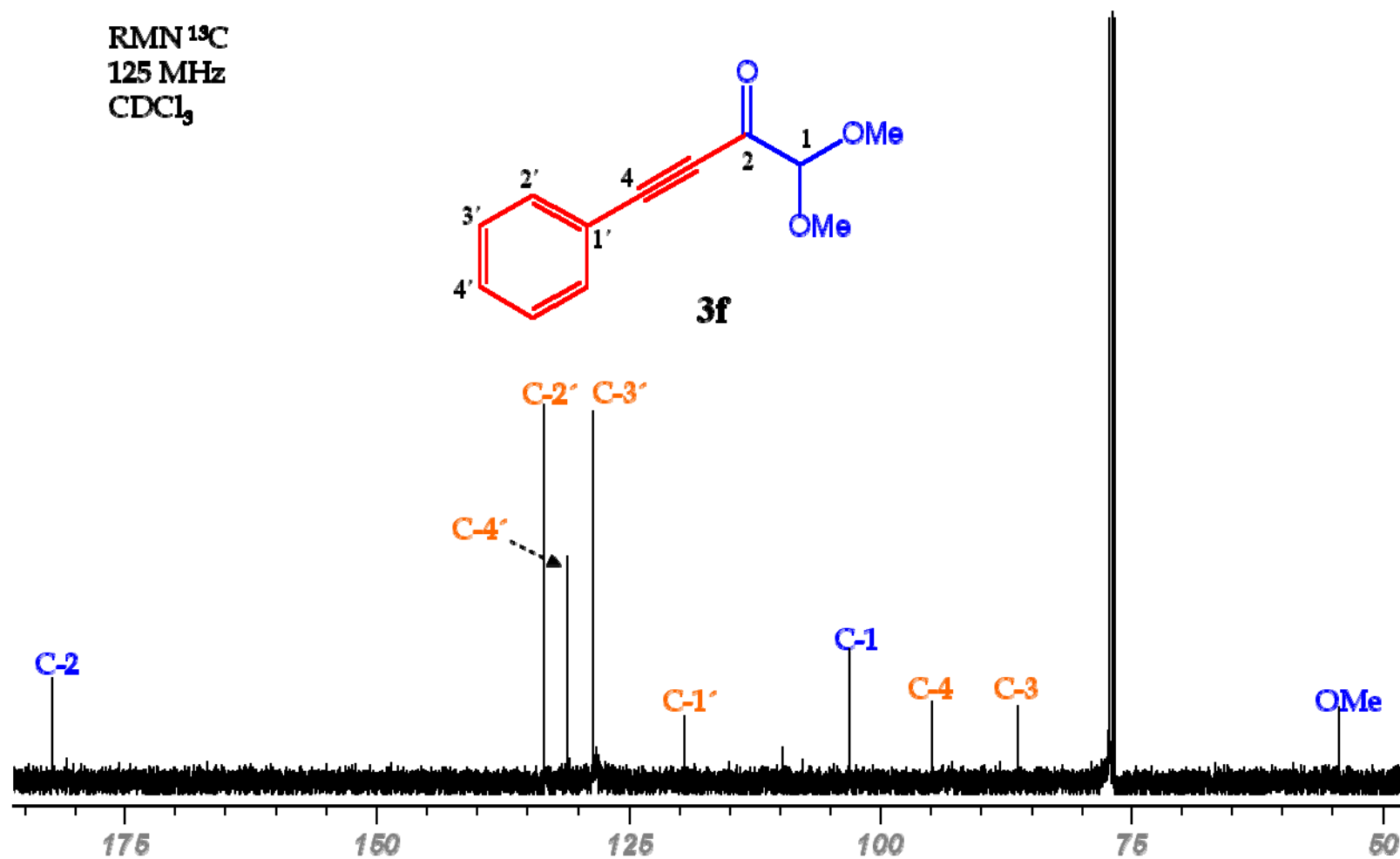
Figure S14. ^{13}C -NMR spectrum of α -ketoacetal **3f**.

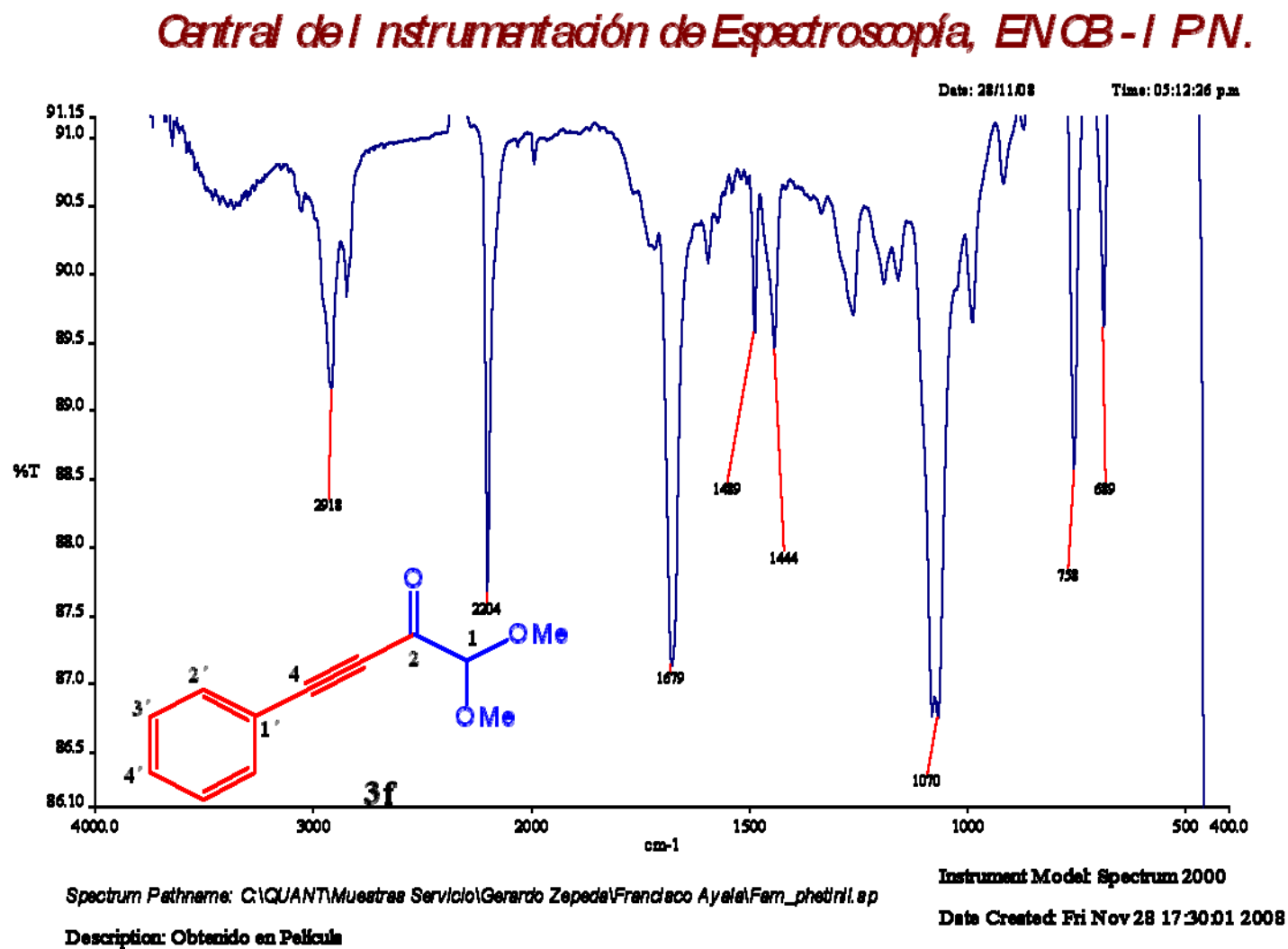
Figure S15. IR spectrum of α -ketoacetal 3f.

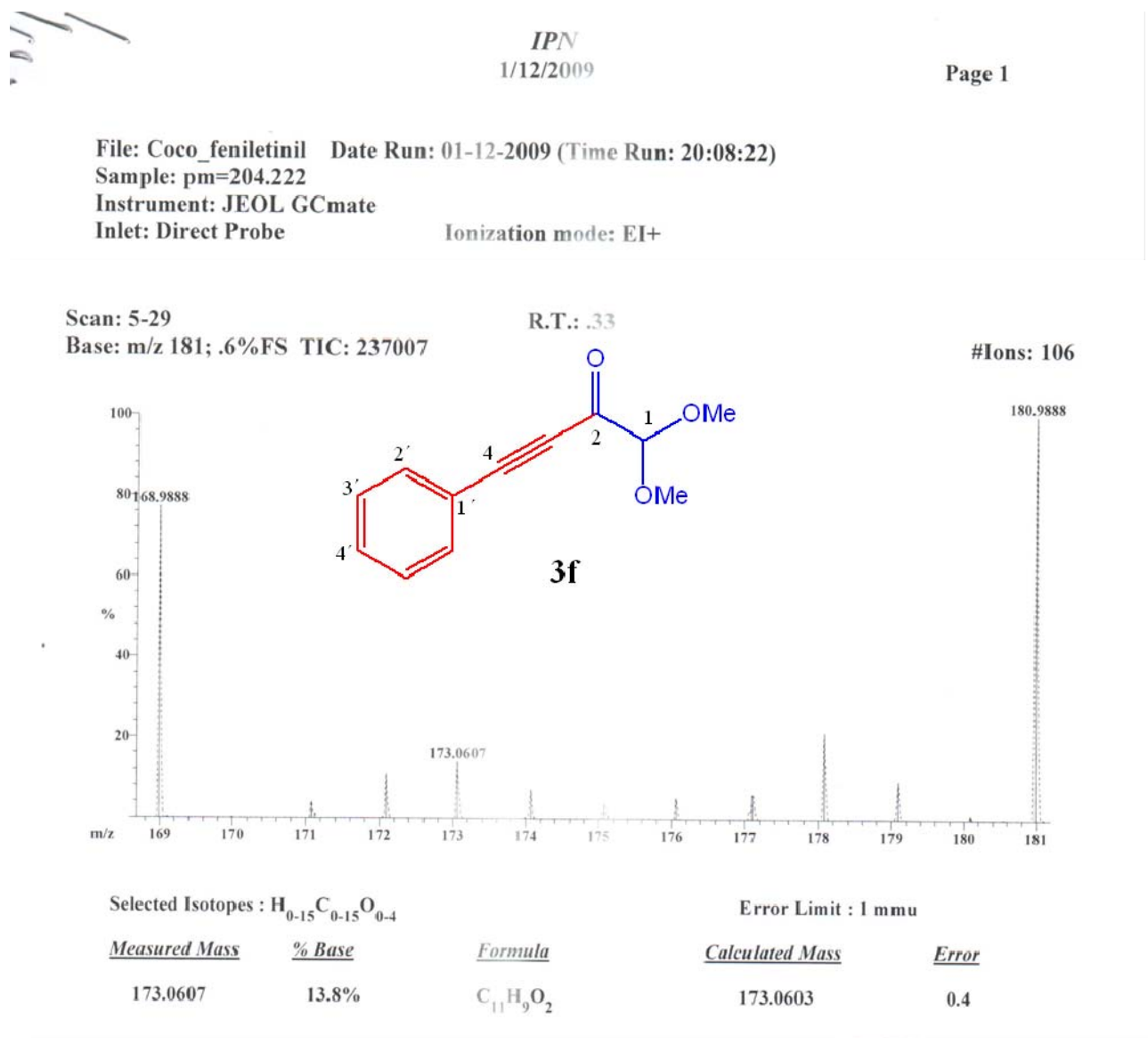
Figure S16. HR-EIMS spectrum of α -ketoacetal **3f**.

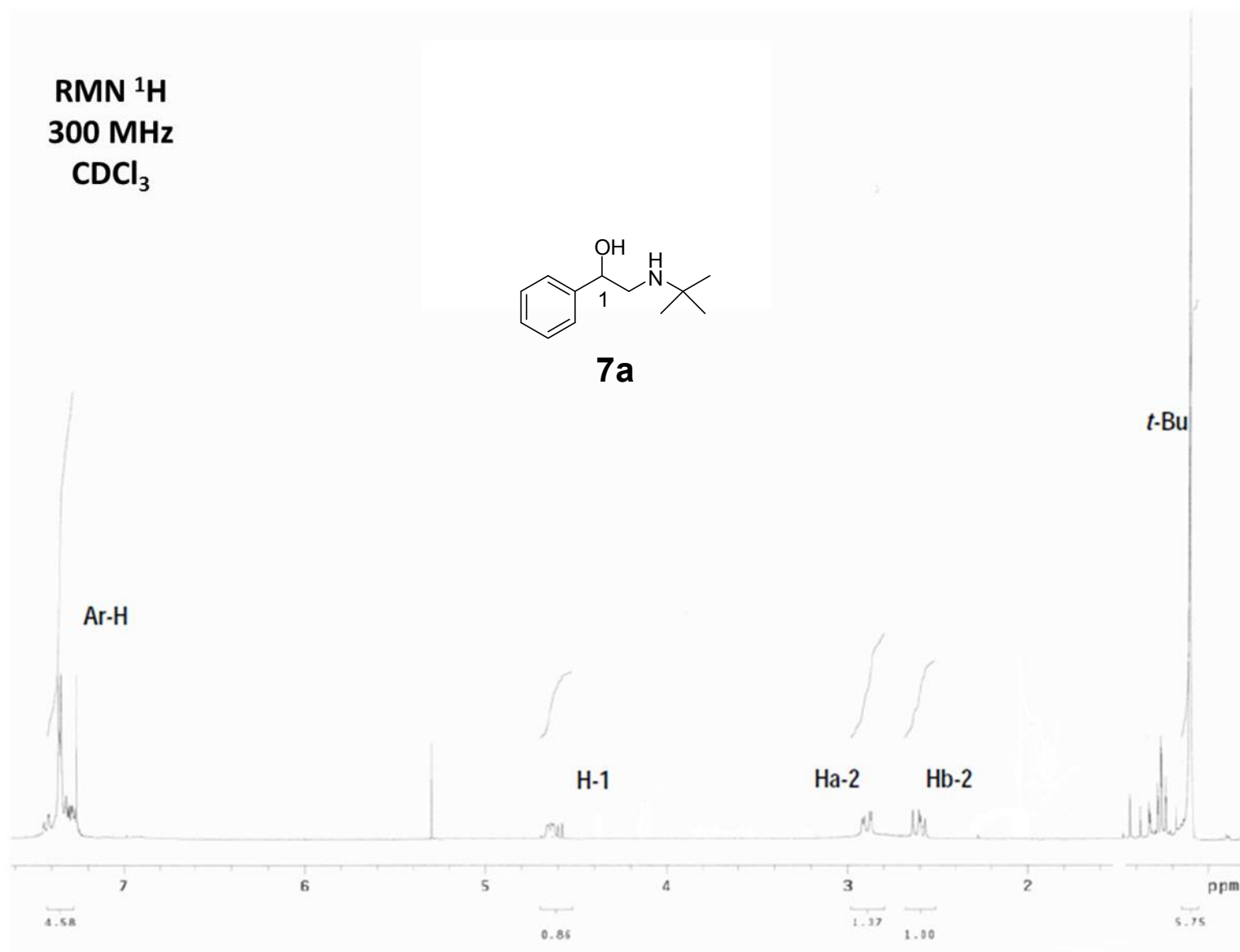
Figure S17. ^1H -NMR spectrum of α -aminoalcohol 7a.

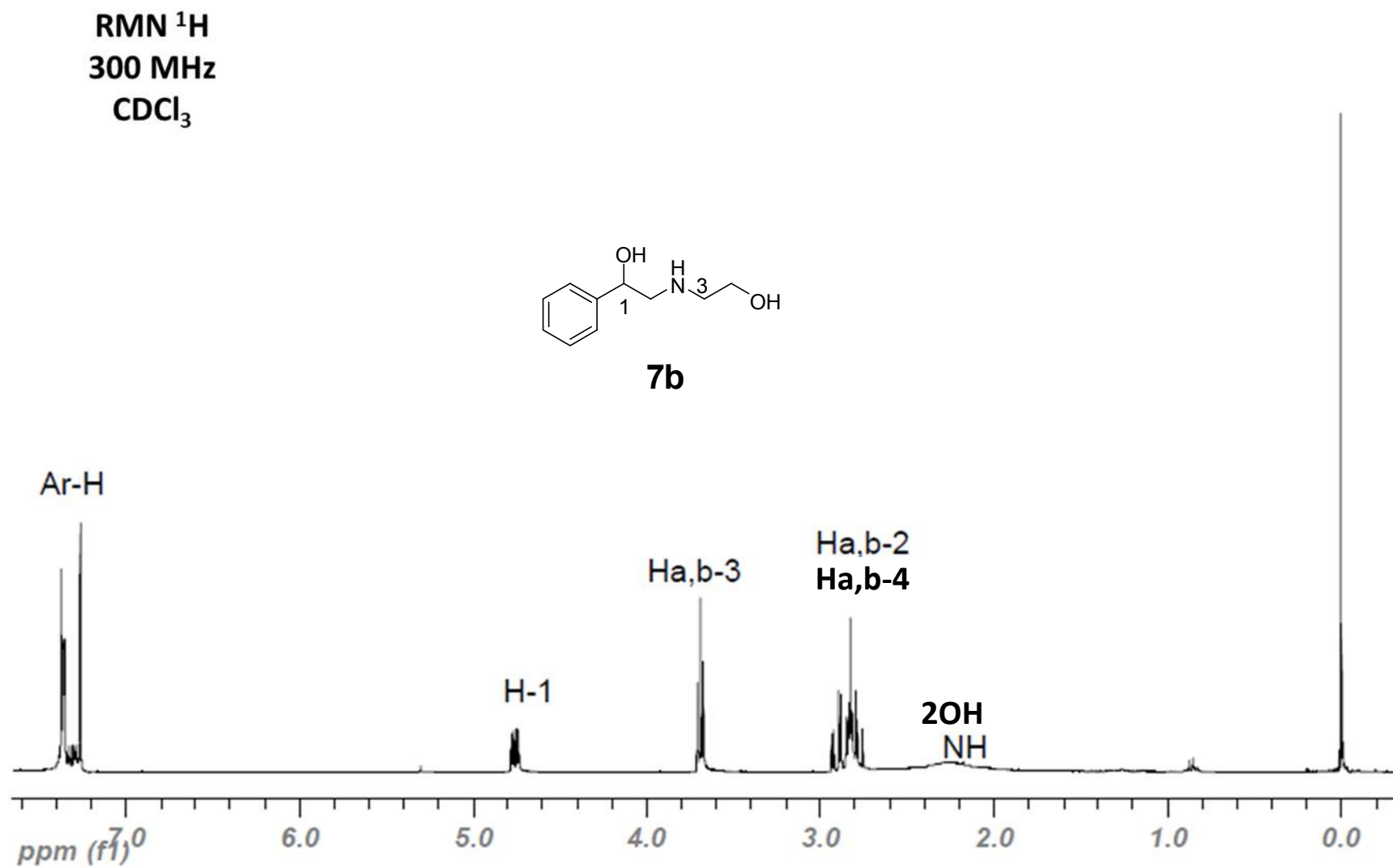
Figure S18. ^1H -NMR spectrum of α -aminoalcohol 7b.

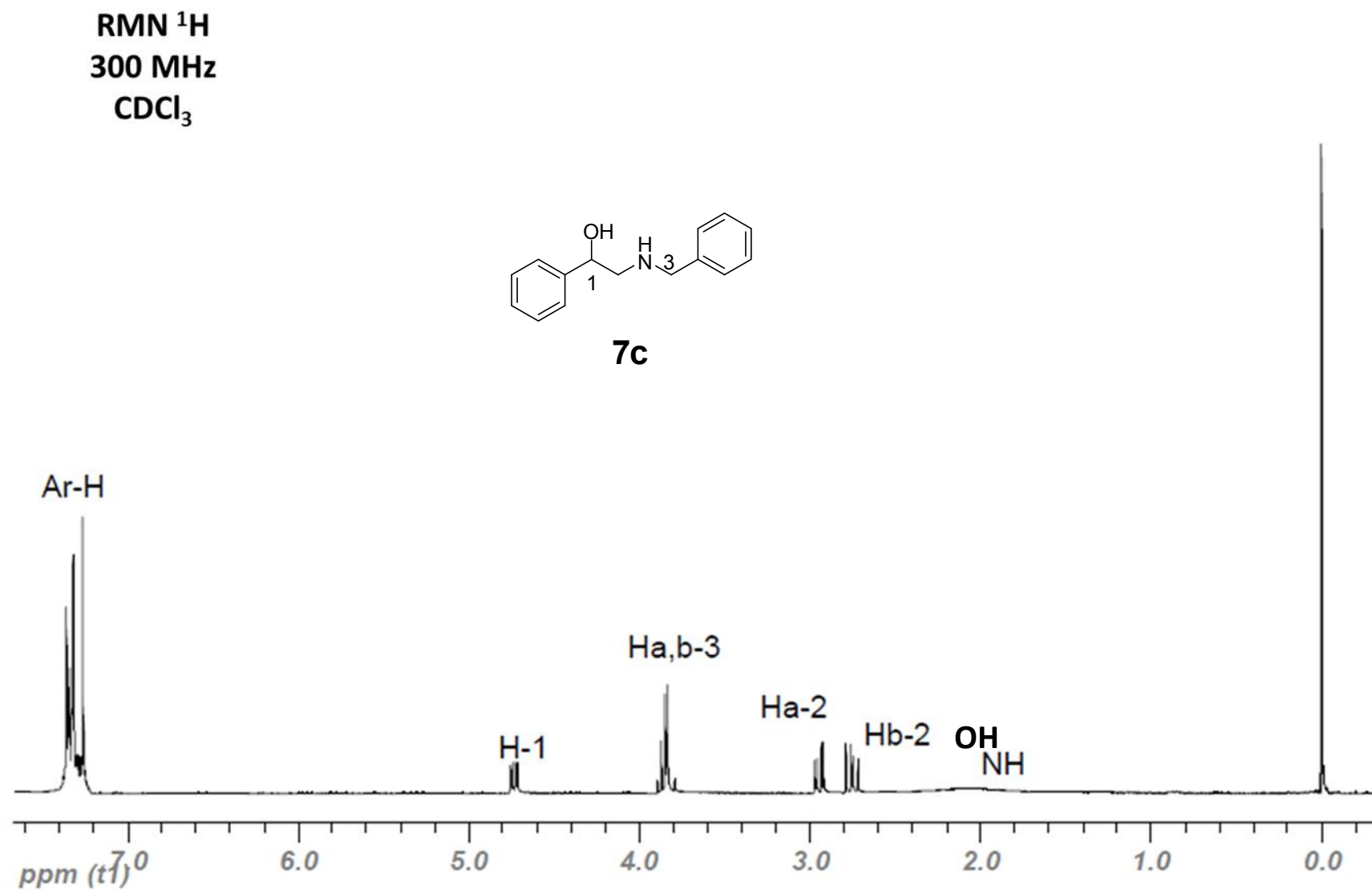
Figure S19. ^1H NMR spectrum of α -aminoalcohol 7c.

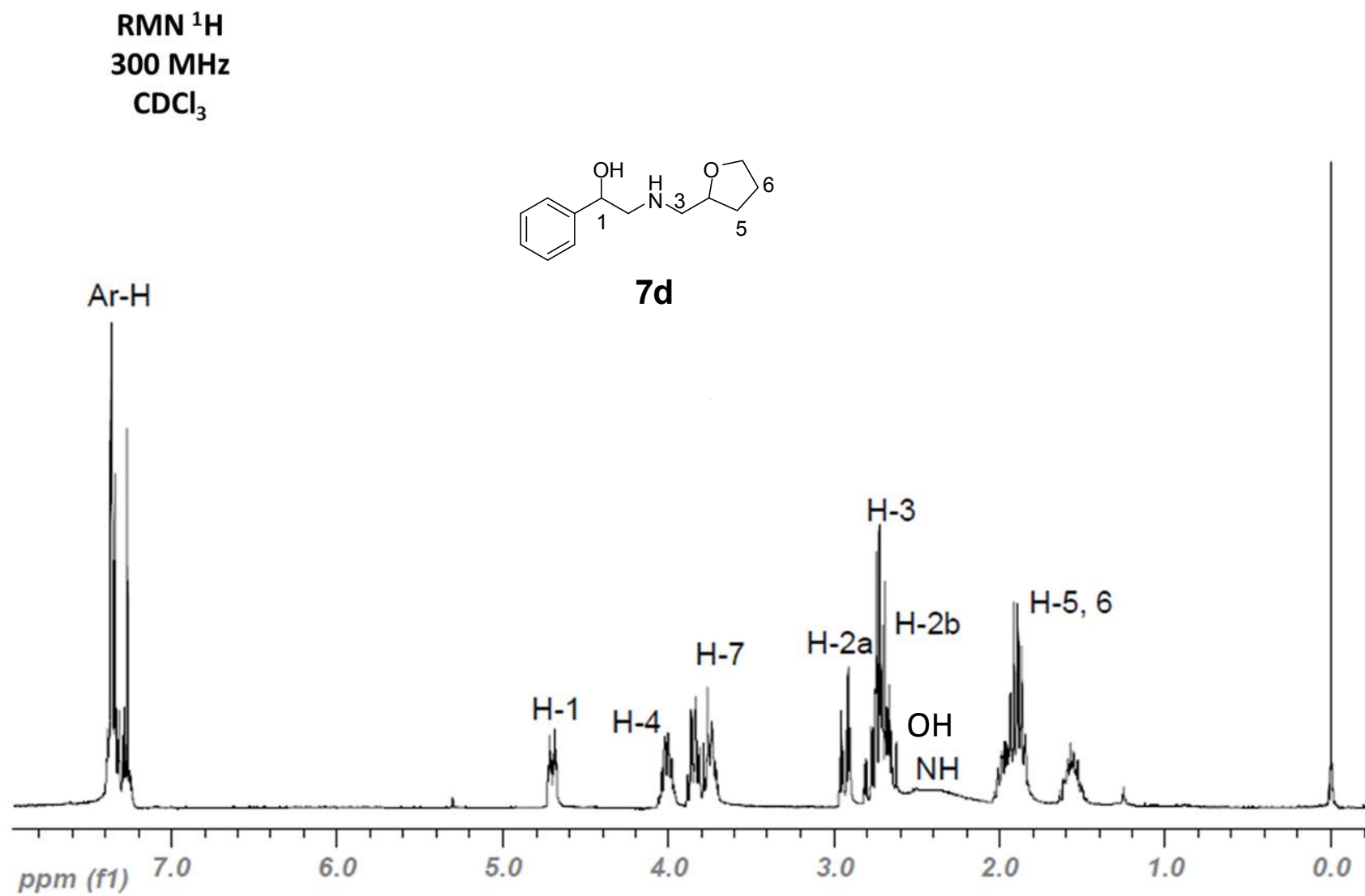
Figure S20. ^1H -NMR spectrum of α -aminoalcohol 7d.

Figure S21. ^1H -NMR spectrum of bromo-2-(hydroxymethyl)phenol **8a**.

RMN ^1H
300 MHz
 CDCl_3

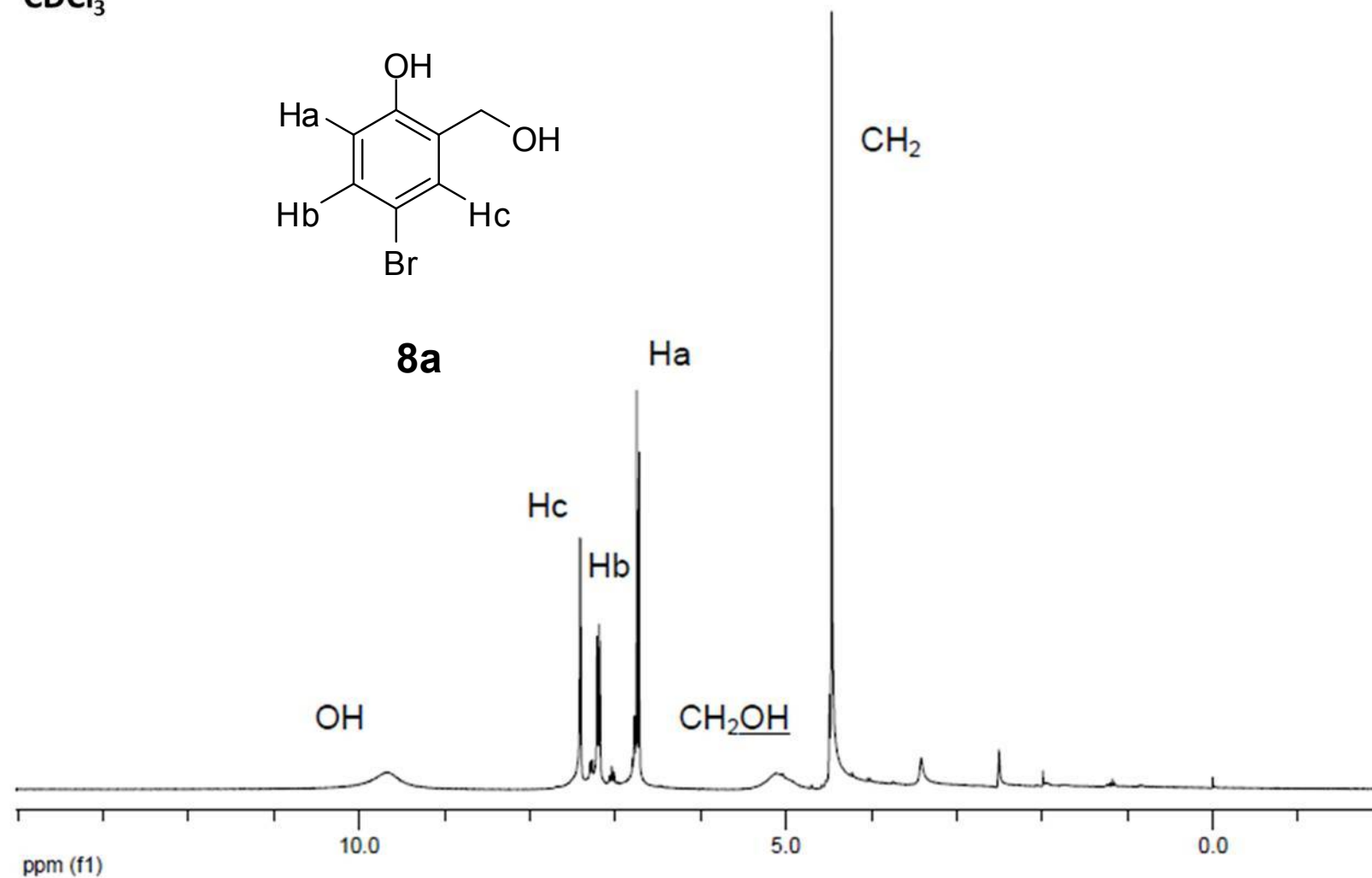


Figure S22. ^1H -NMR spectrum of benzodioxane **9**.

RMN ^1H
300 MHz
 CDCl_3

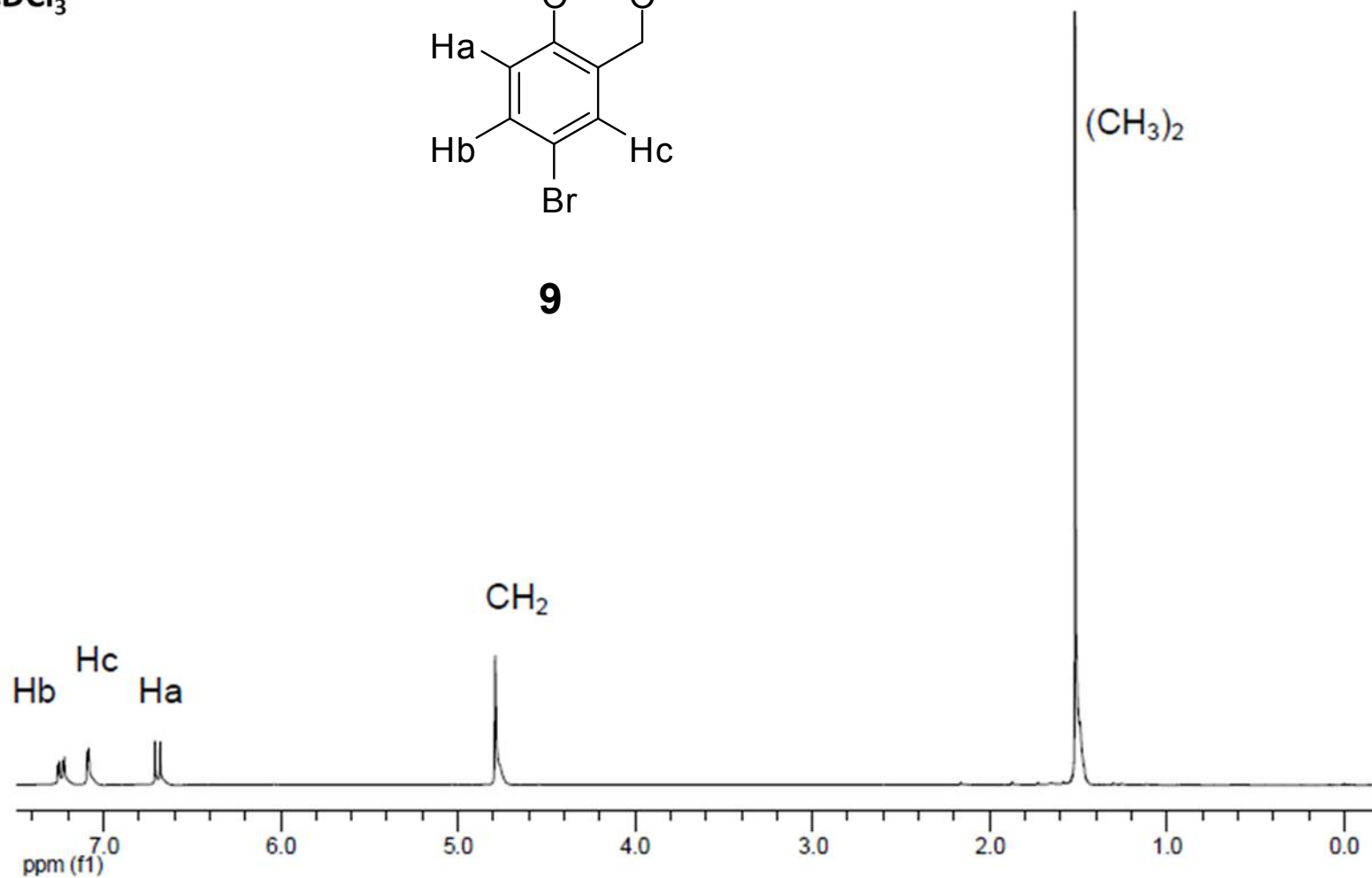
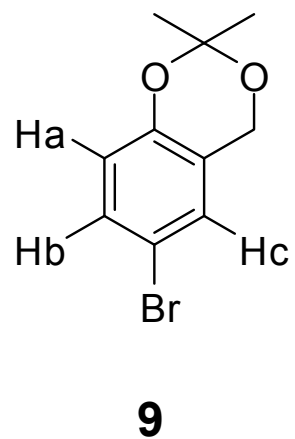


Figure S23. ^1H -NMR spectrum of α -ketoacetal **10**.

RMN ^1H
300 MHz
 CDCl_3

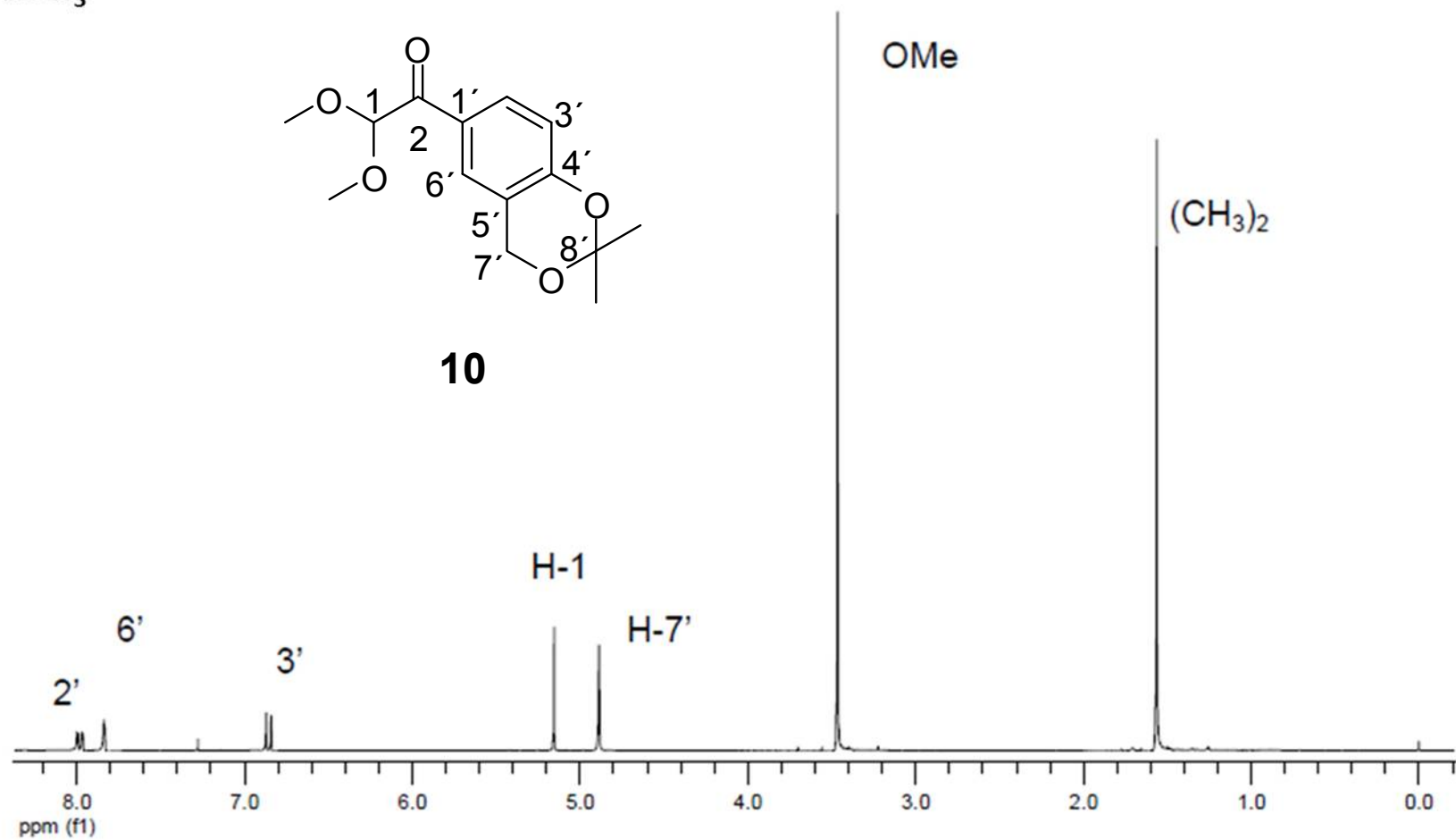


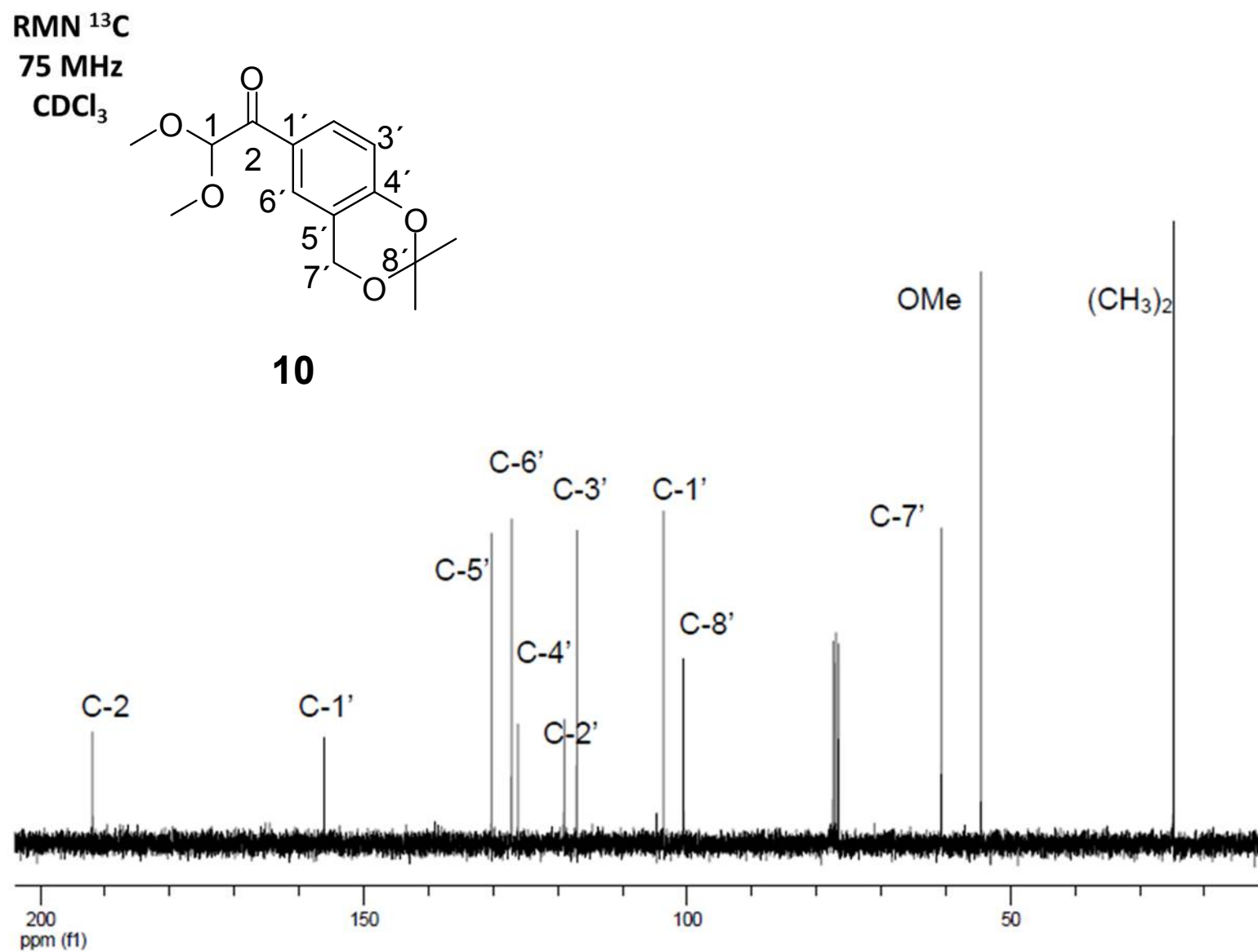
Figure S24. ^{13}C -NMR spectrum of α -ketoacetal **10**.

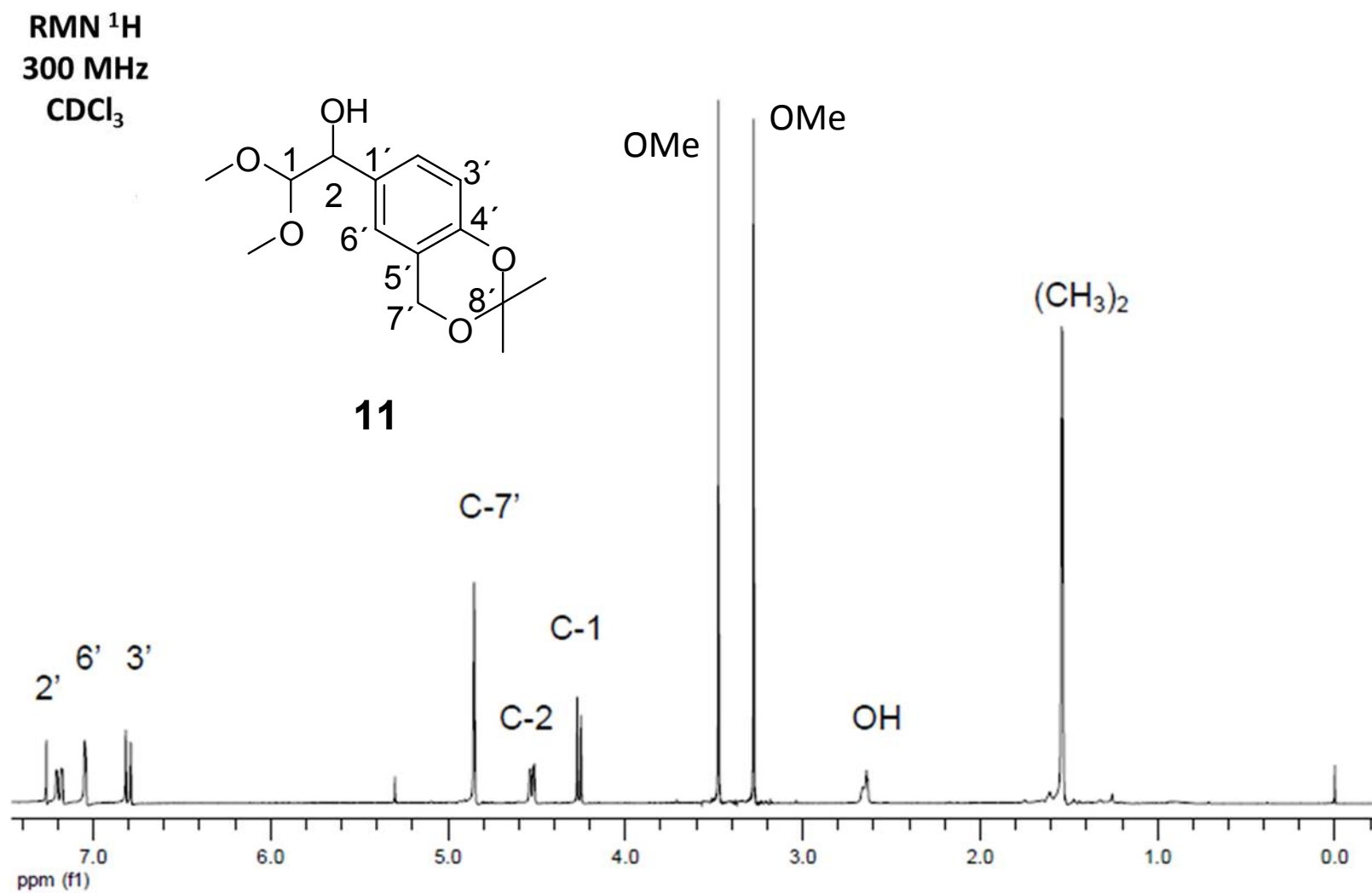
Figure S25. ^1H -NMR spectrum of α -hydroxyacetal **11**.

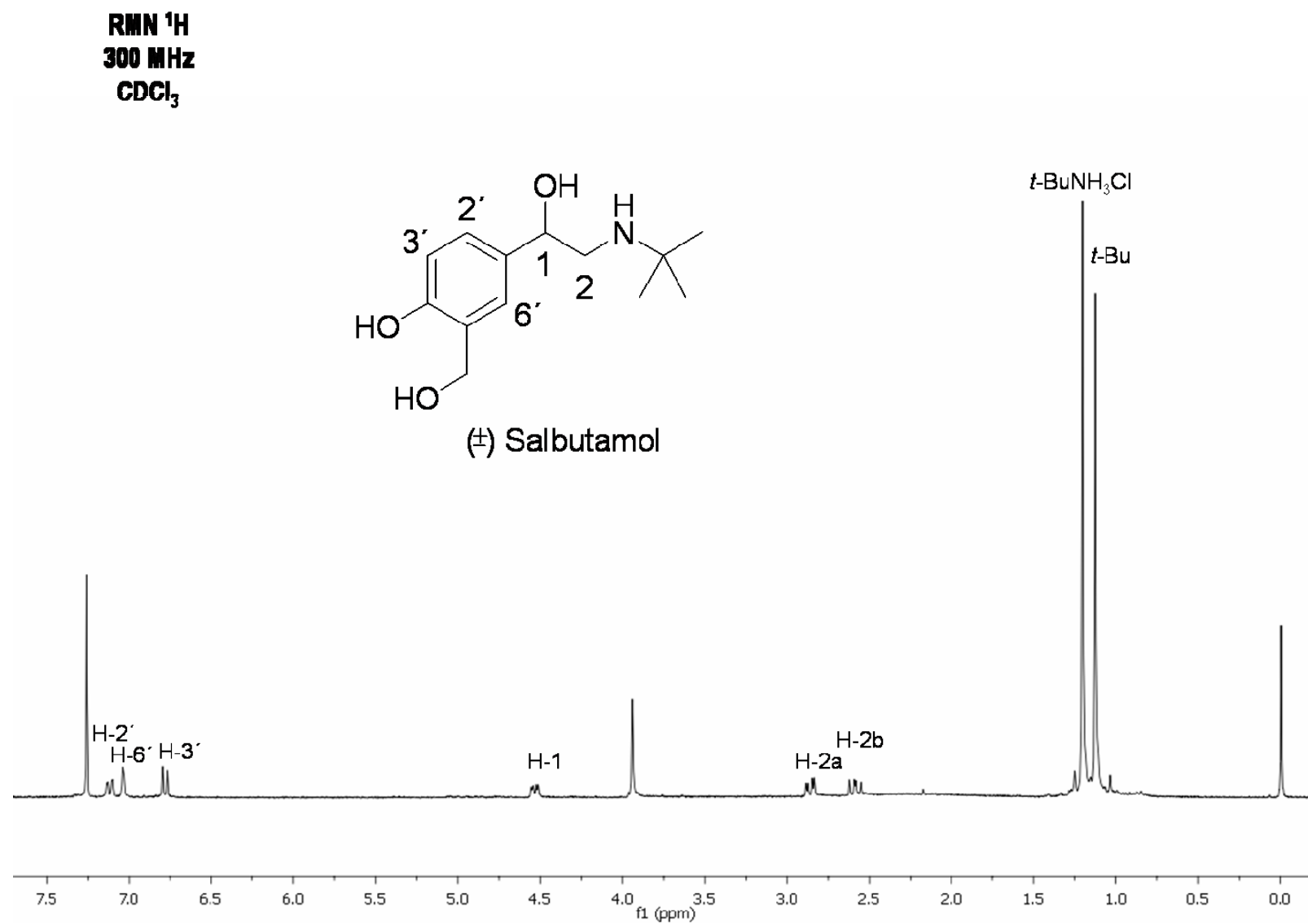
Figure S26. ^1H -NMR spectrum of *rac*-salbutamol.

Figure S27. ^{13}C -NMR spectrum of *rac*-salbutamol.