

Supplementary Material for:

Synthesis of a Highly Functionalised and Homochiral 2-Iodocyclohexenone Related to the C-Ring of the Polycyclic, Indole Alkaloids Aspidophytine and Haplophytine

*Michael Dlugosch and Martin G. Banwell**

*Email: Martin.Banwell@anu.edu.au

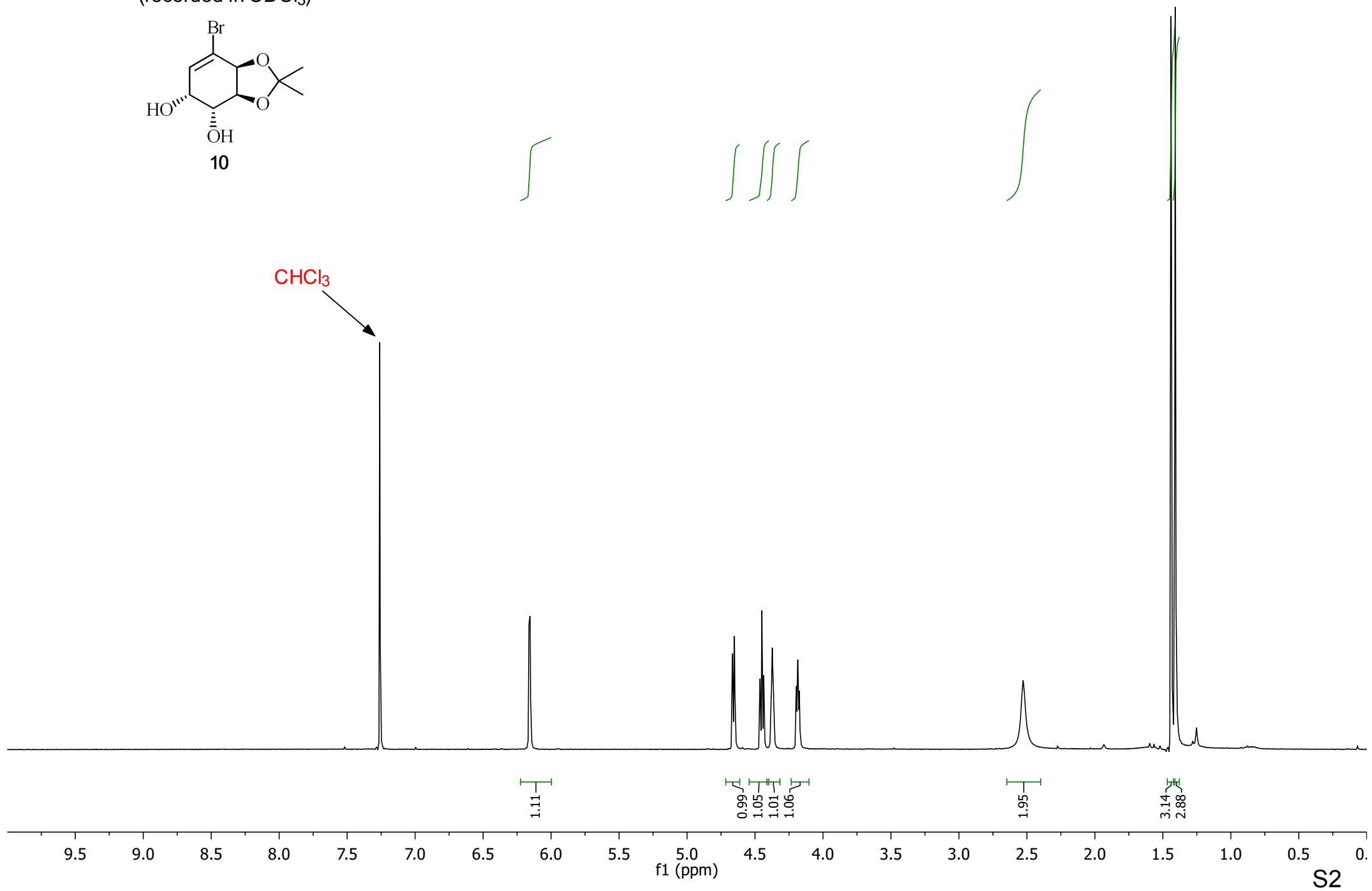
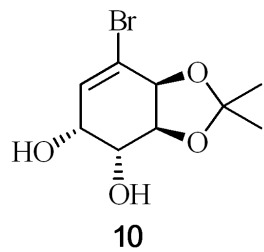
Research School of Chemistry, Institute of Advanced Studies,
The Australian National University, Canberra, ACT 2601

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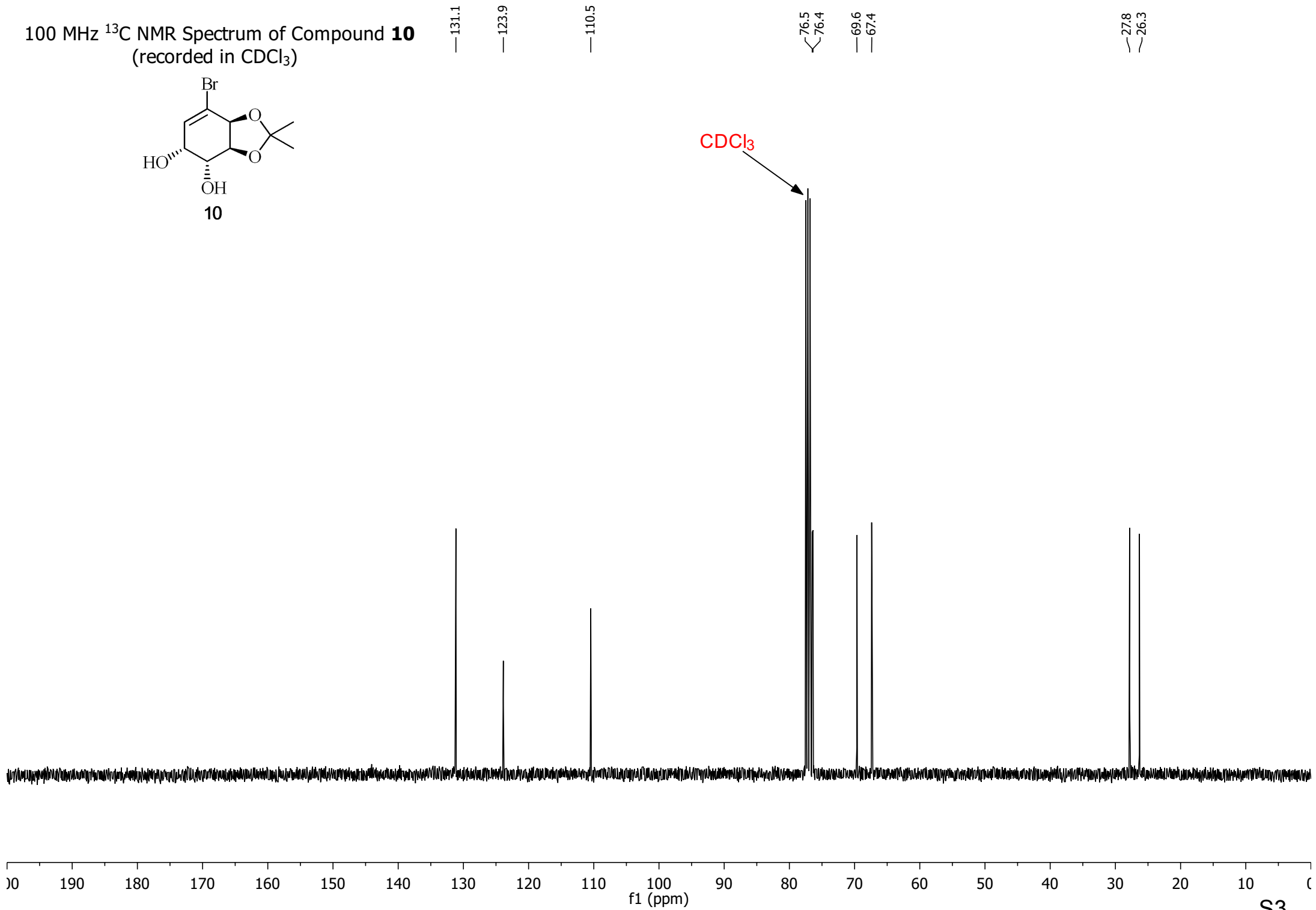
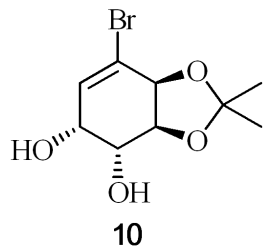
¹H and ¹³C NMR Spectra of Compounds **10-18** and **8**.

S2

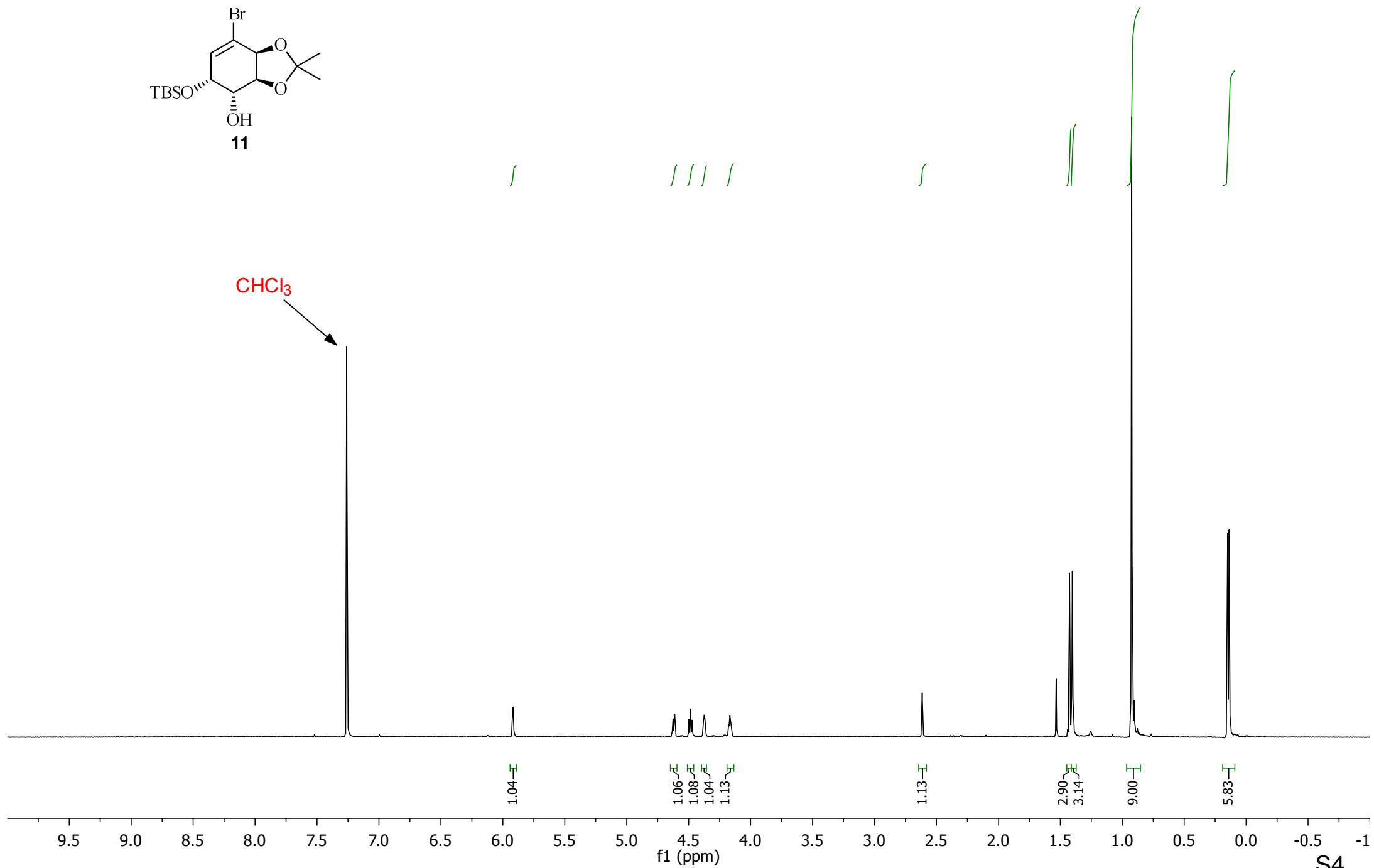
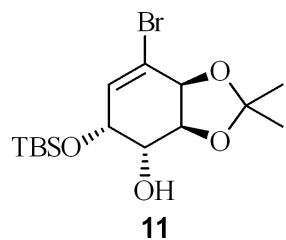
400 MHz ^1H NMR Spectrum of Compound **10**
(recorded in CDCl_3)



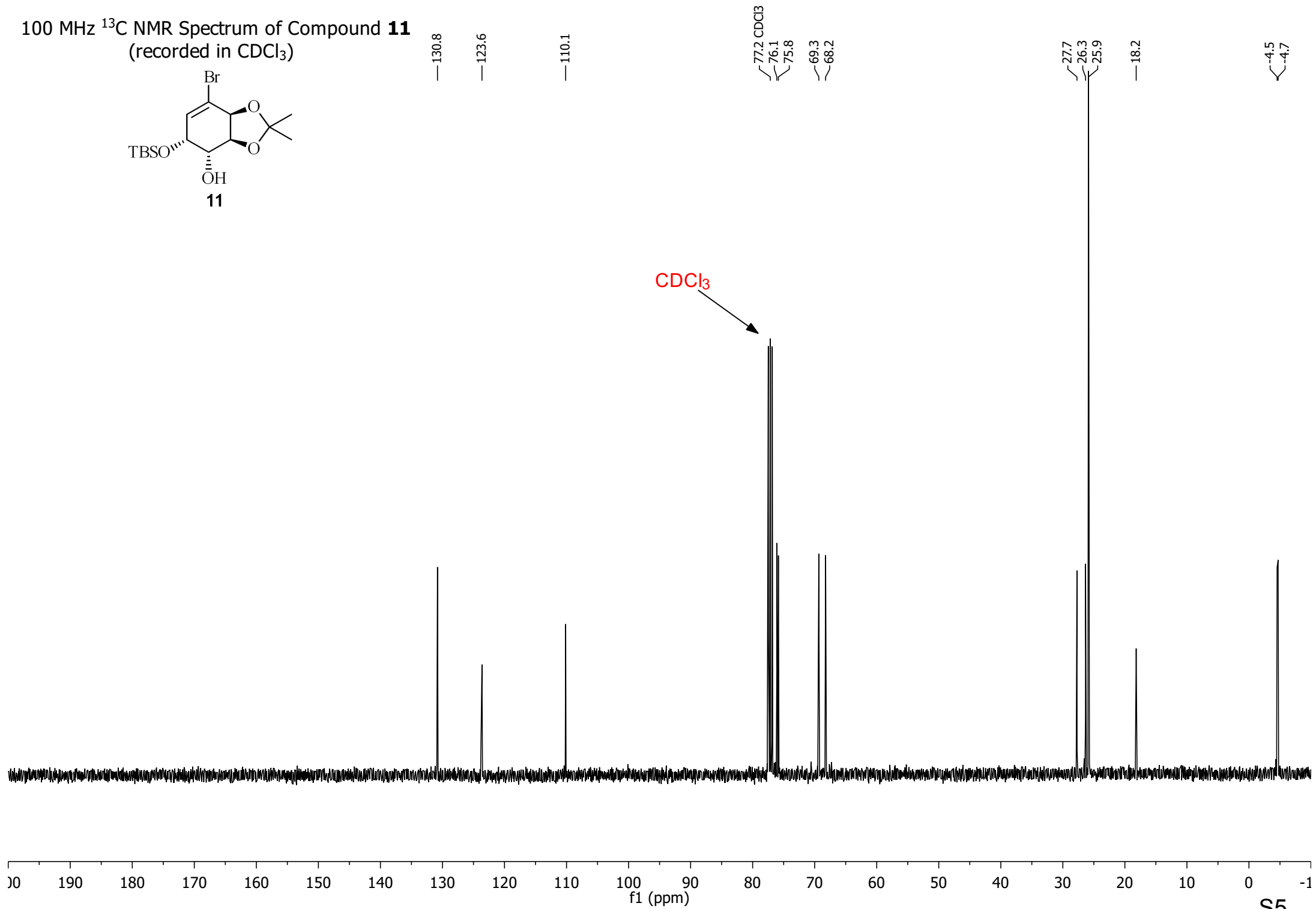
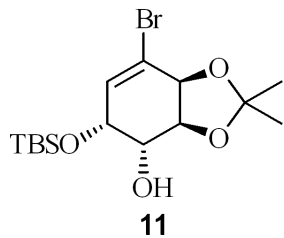
100 MHz ^{13}C NMR Spectrum of Compound **10**
(recorded in CDCl_3)



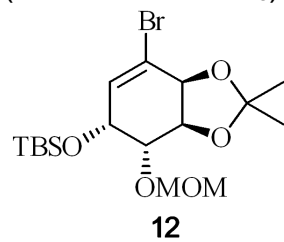
400 MHz ^1H NMR Spectrum of Compound **11**
(recorded in CDCl_3)



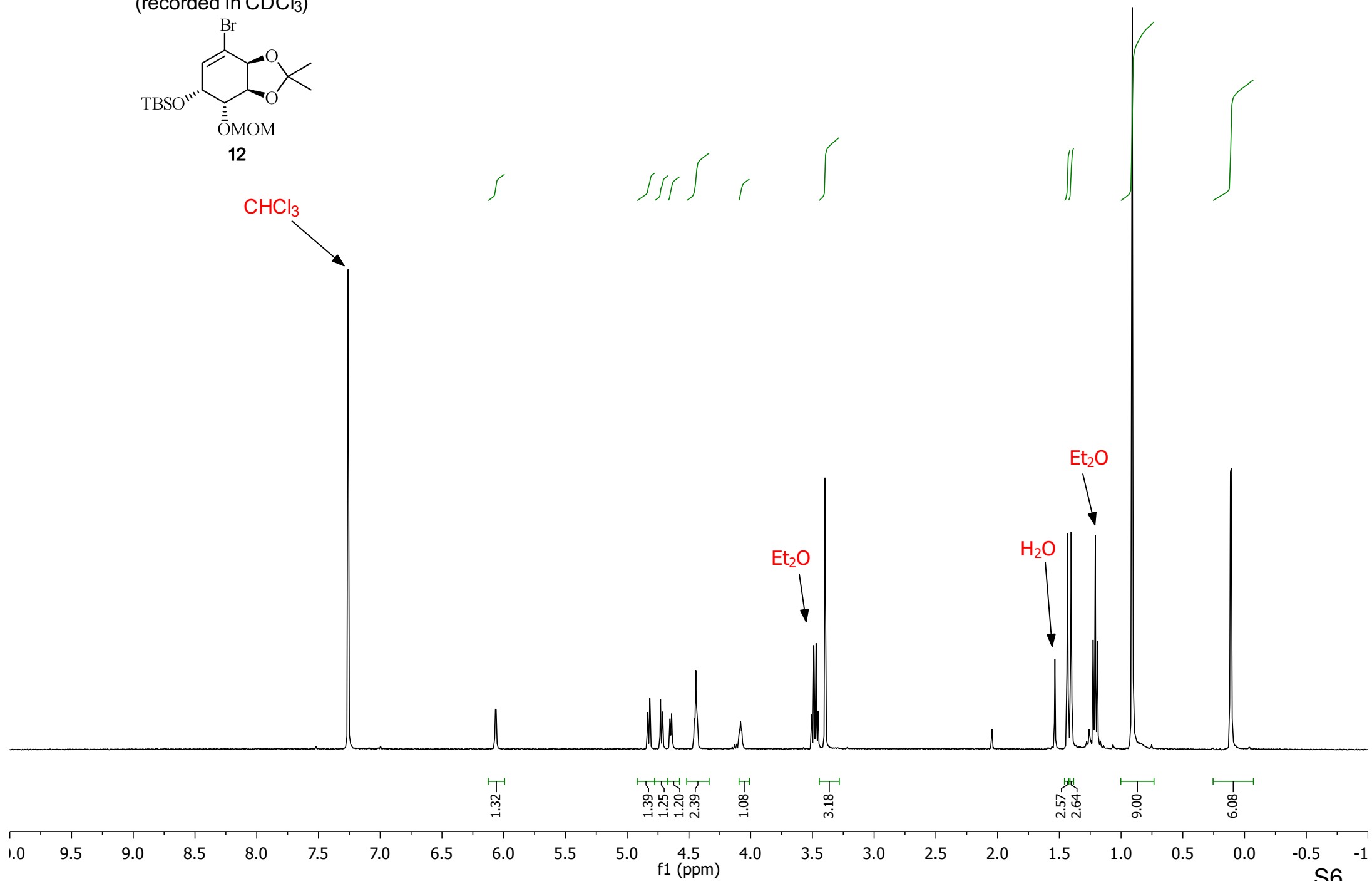
100 MHz ^{13}C NMR Spectrum of Compound **11**
(recorded in CDCl_3)



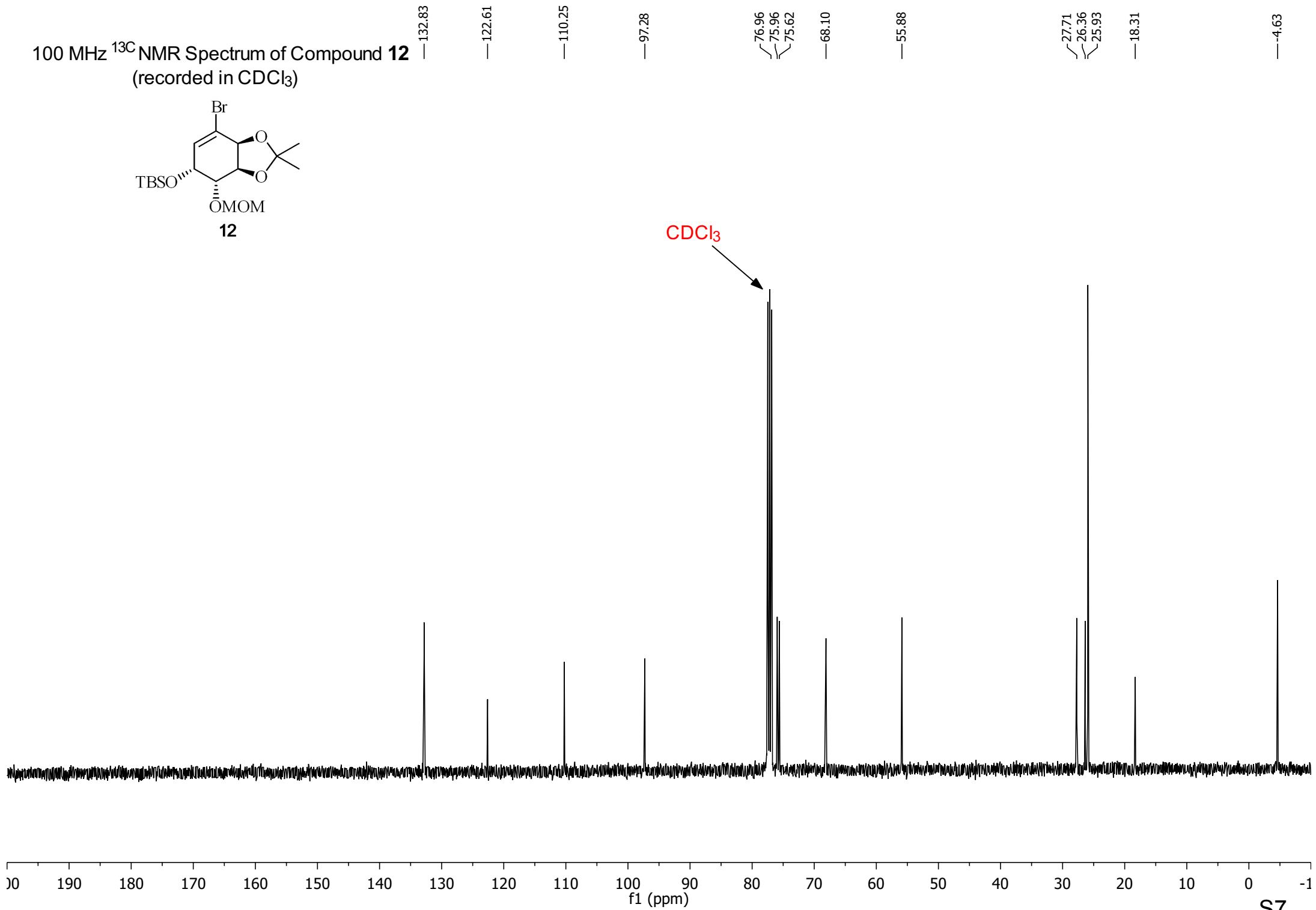
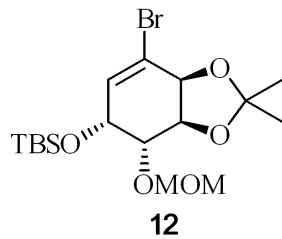
400 MHz ^1H NMR Spectrum of Compound **12**
(recorded in CDCl_3)



CHCl_3

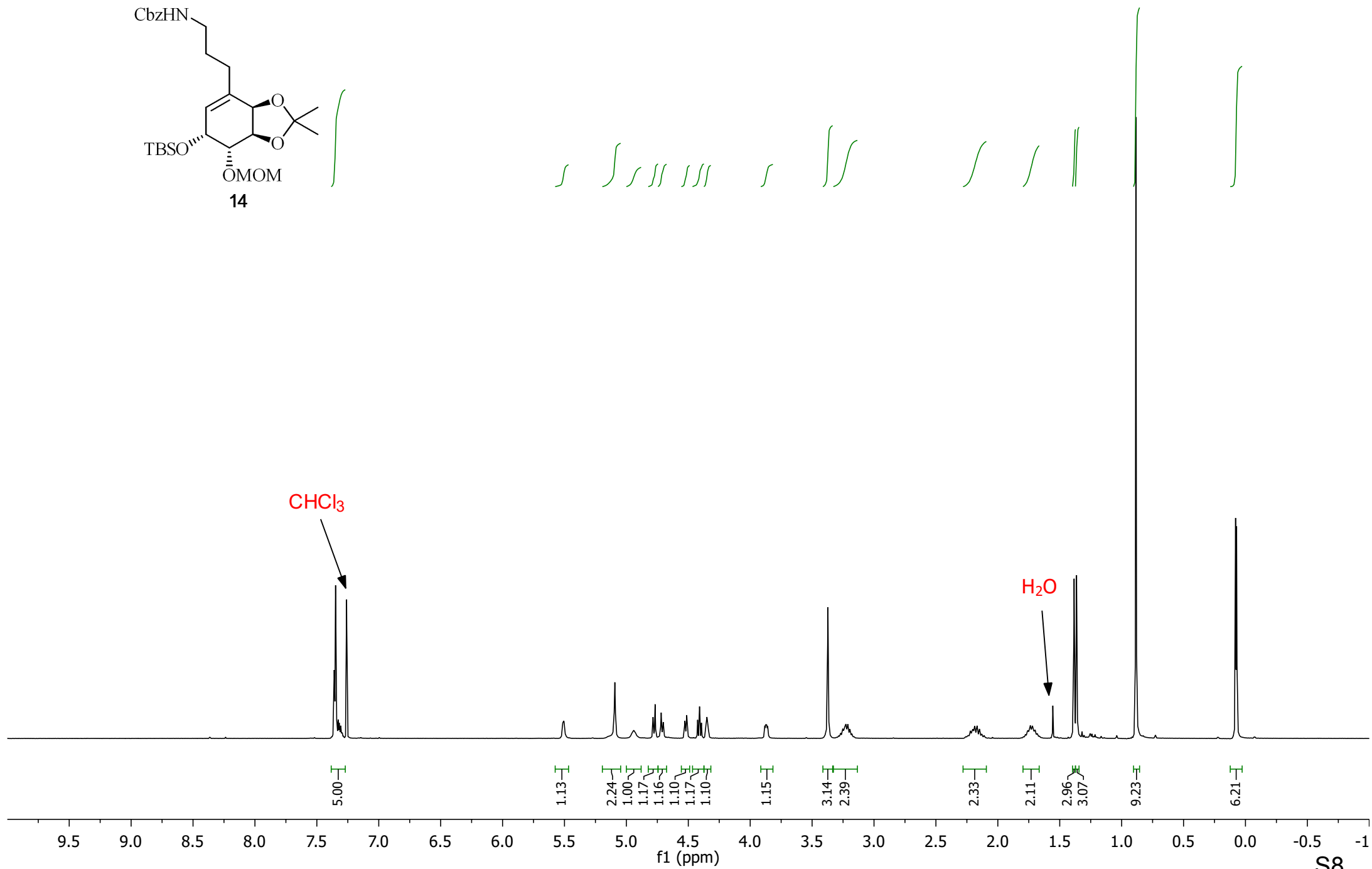
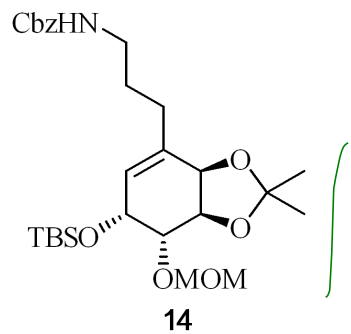


100 MHz ^{13}C NMR Spectrum of Compound **12**
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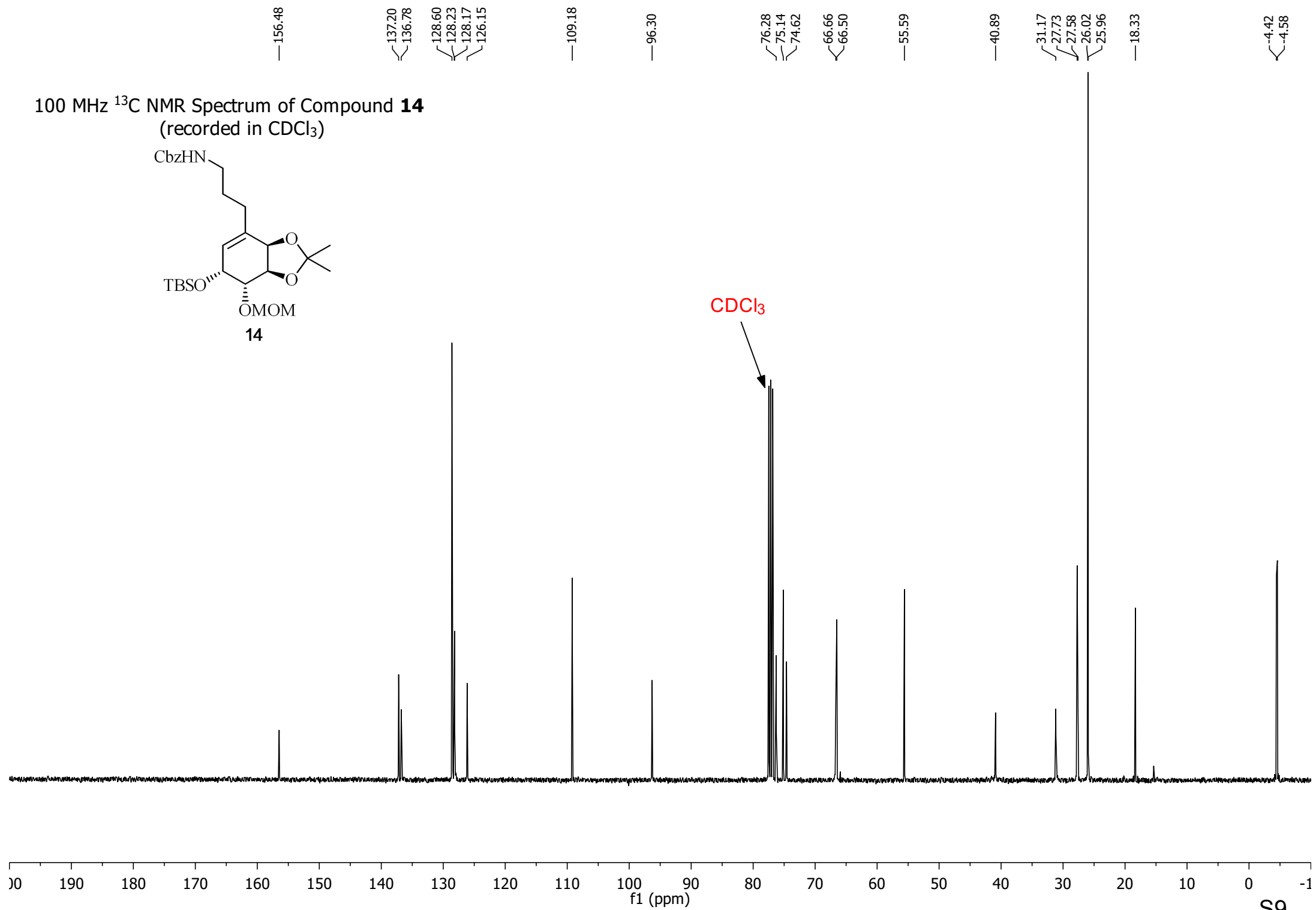
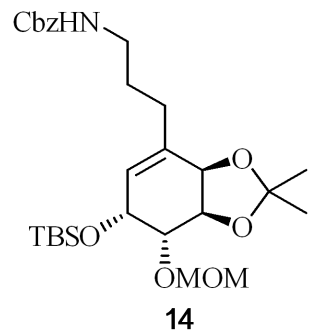


400 MHz ^1H NMR Spectrum of Compound **14**

(recorded in CDCl_3)

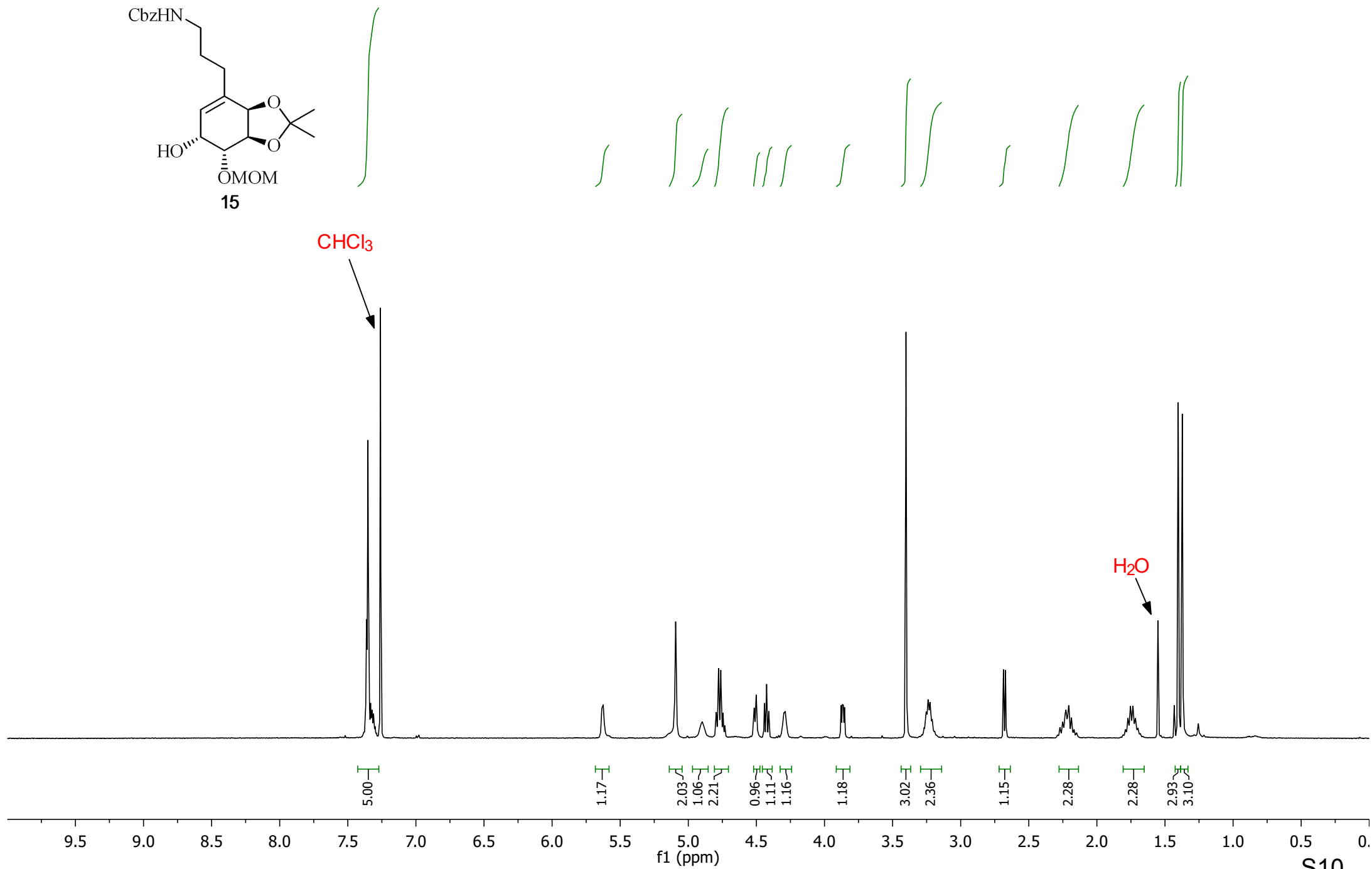
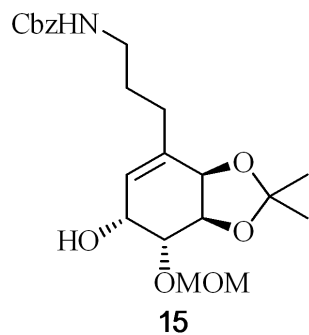


100 MHz ^{13}C NMR Spectrum of Compound **14**
(recorded in CDCl_3)

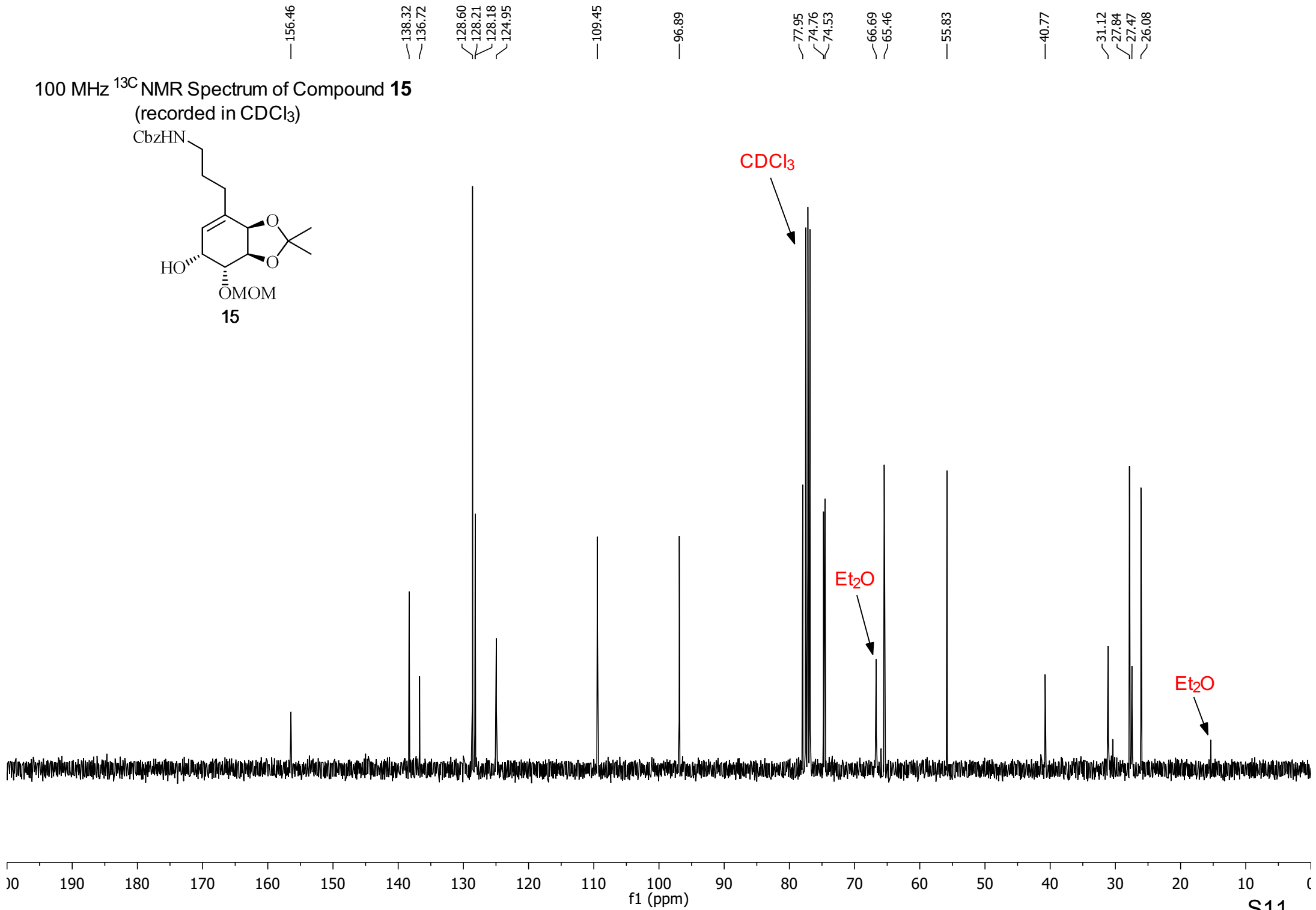
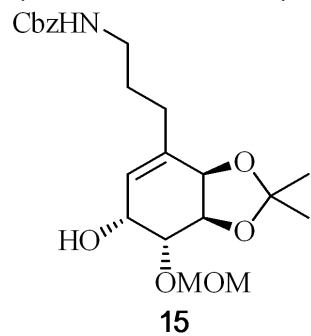


400 MHz ^1H NMR Spectrum of Compound **15**

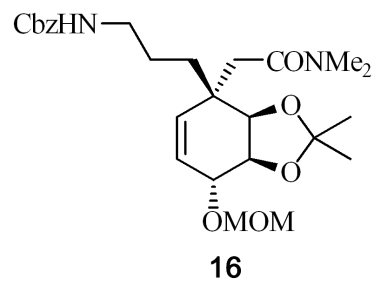
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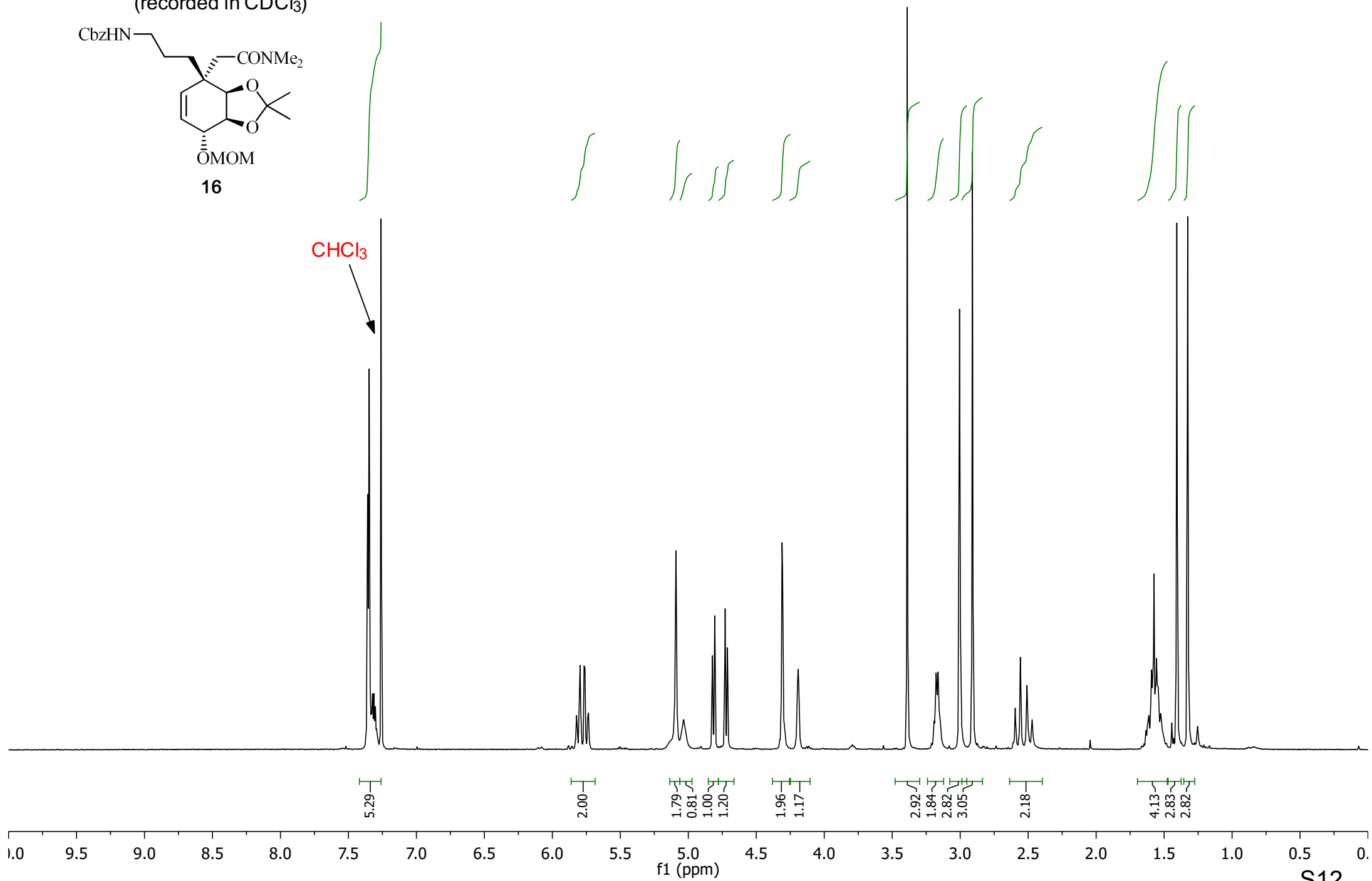
100 MHz ^{13}C NMR Spectrum of Compound **15**
(recorded in CDCl_3)



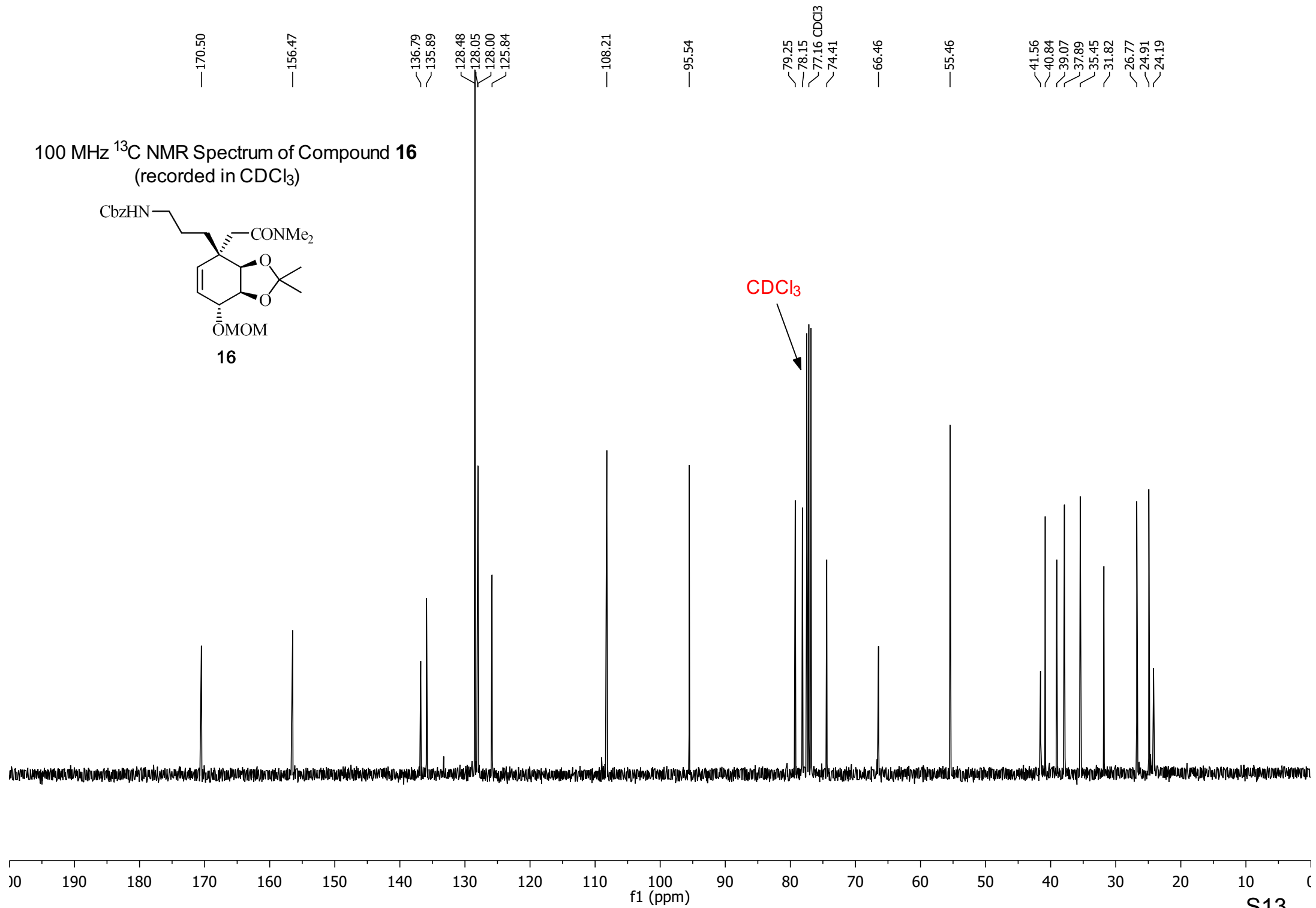
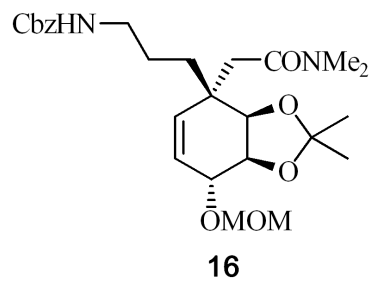
400 MHz ^1H NMR Spectrum of Compound **16**
(recorded in CDCl_3)



16

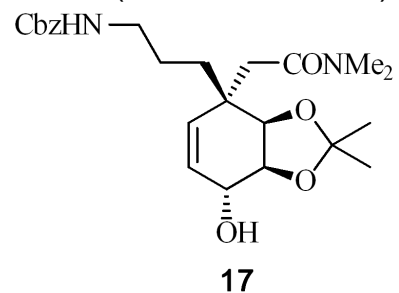


100 MHz ^{13}C NMR Spectrum of Compound **16**
(recorded in CDCl_3)

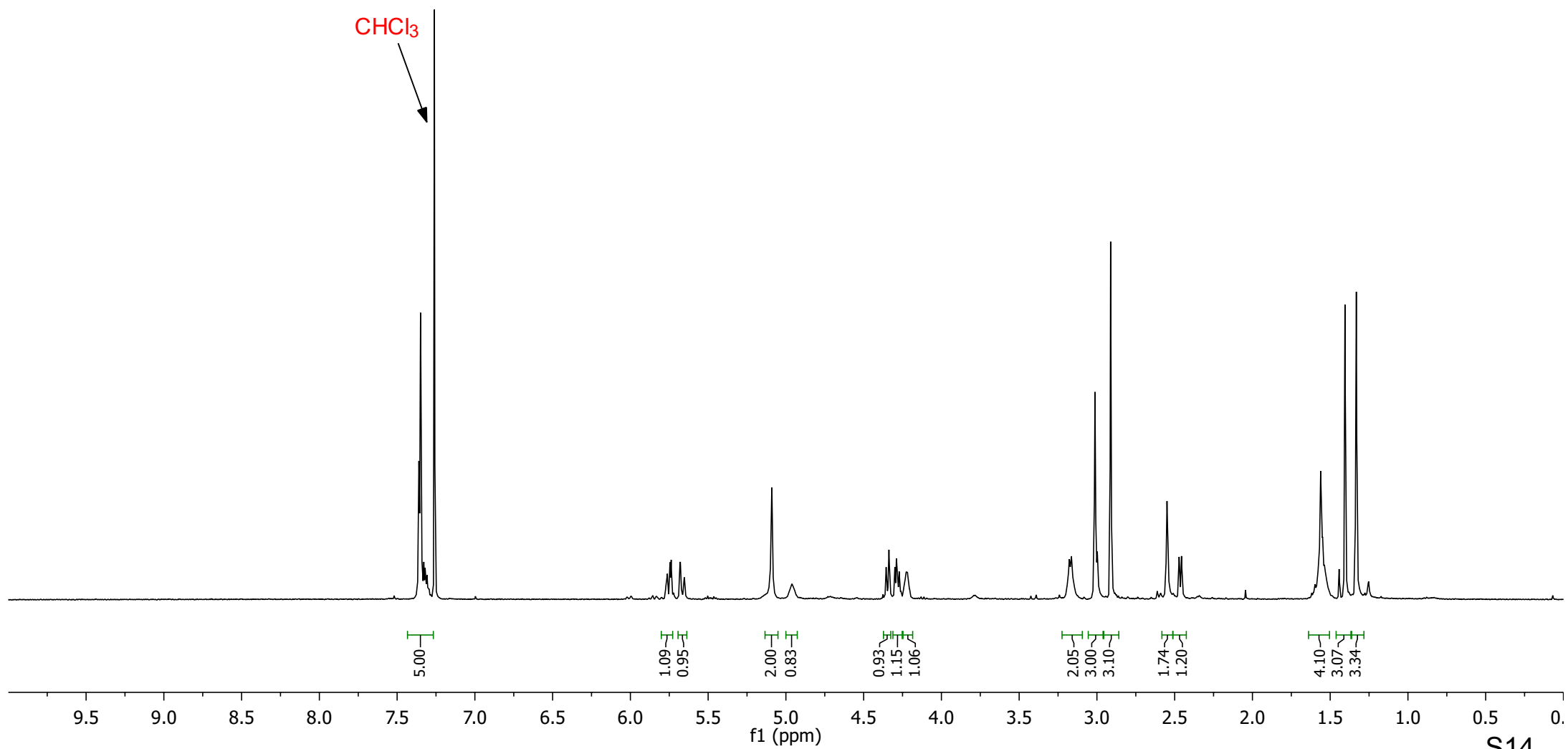


400 MHz ^1H NMR Spectrum of Compound **17**

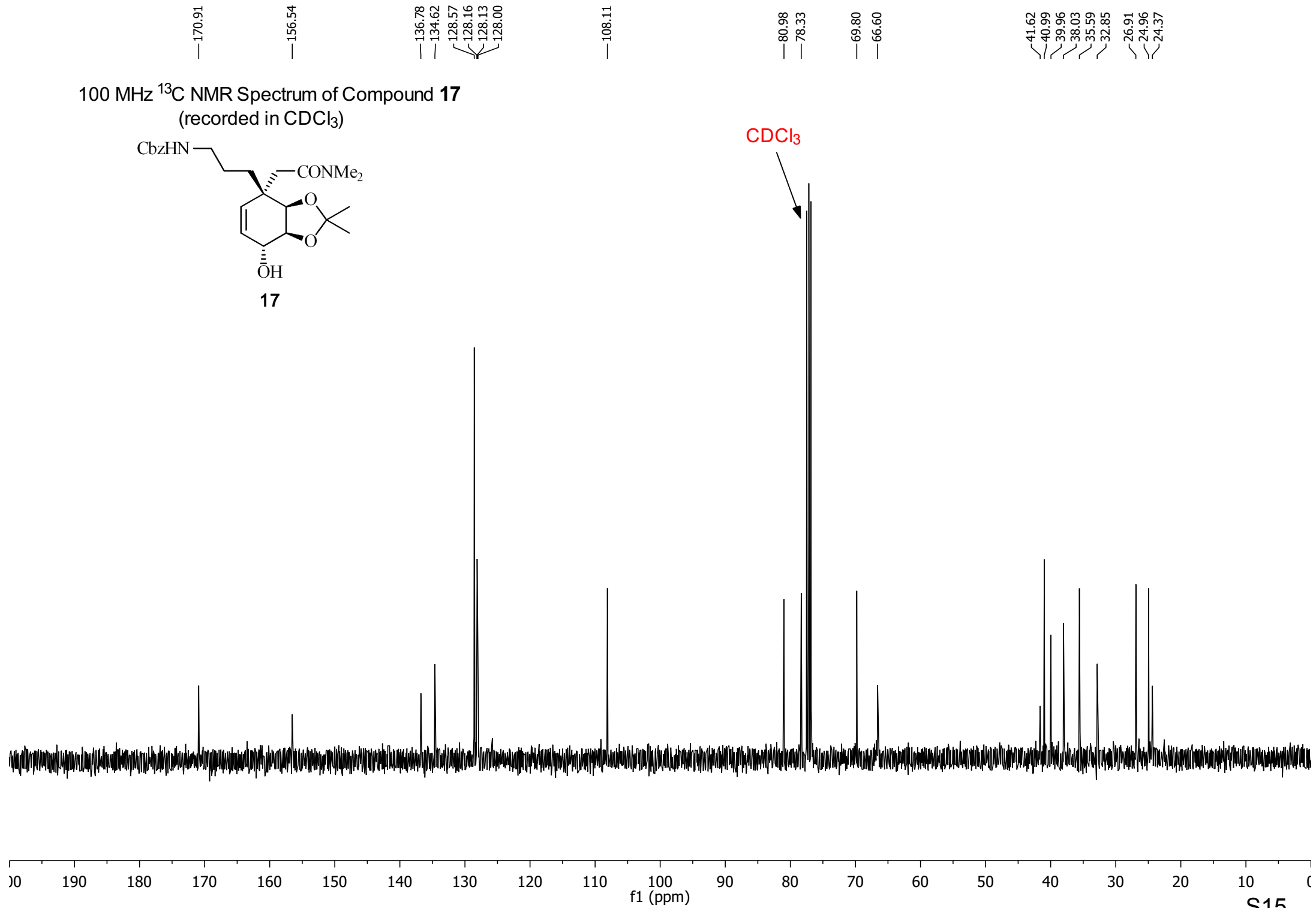
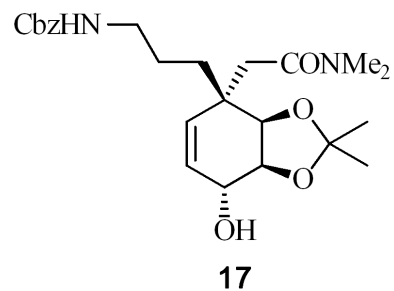
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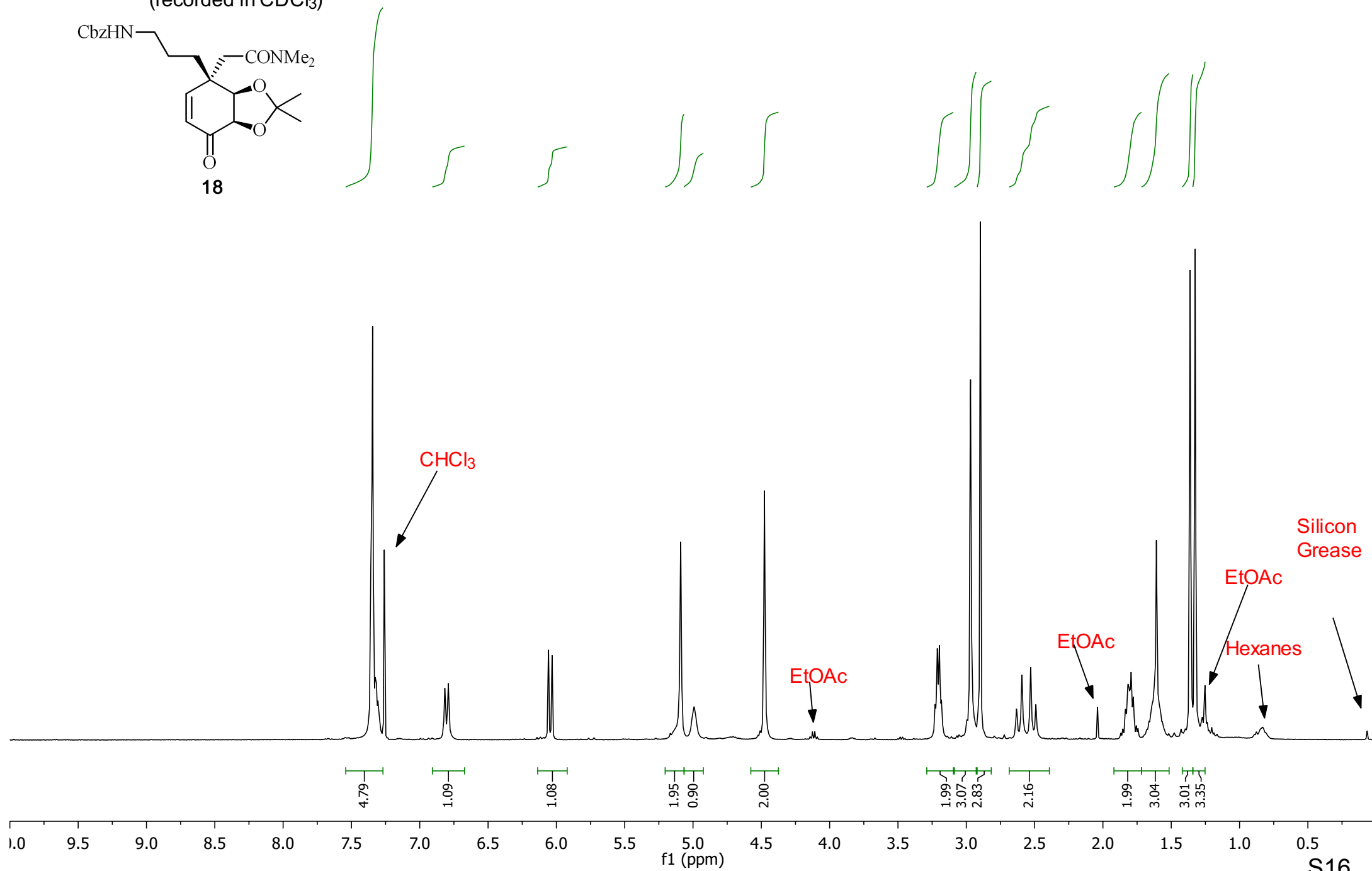
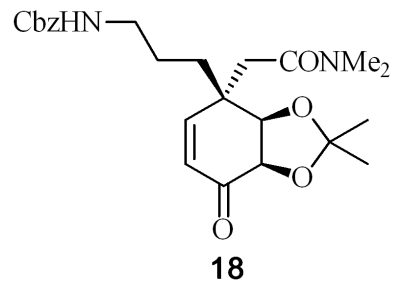
17



100 MHz ^{13}C NMR Spectrum of Compound **17**
(recorded in CDCl_3)



400 MHz ^1H NMR Spectrum of Compound **18**
(recorded in CDCl_3)



—196.02

—169.22

—156.54
—154.76

—136.73

—128.64
—128.23
—128.21
—126.38

—109.46

—78.74

—75.09

—66.73

—41.39

—41.24

—40.37

—38.05

—35.70

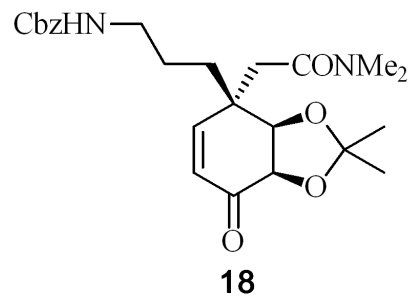
—33.37

—27.29

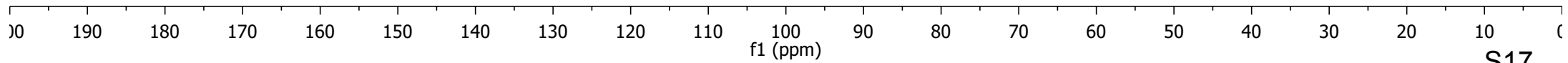
—25.77

—23.82

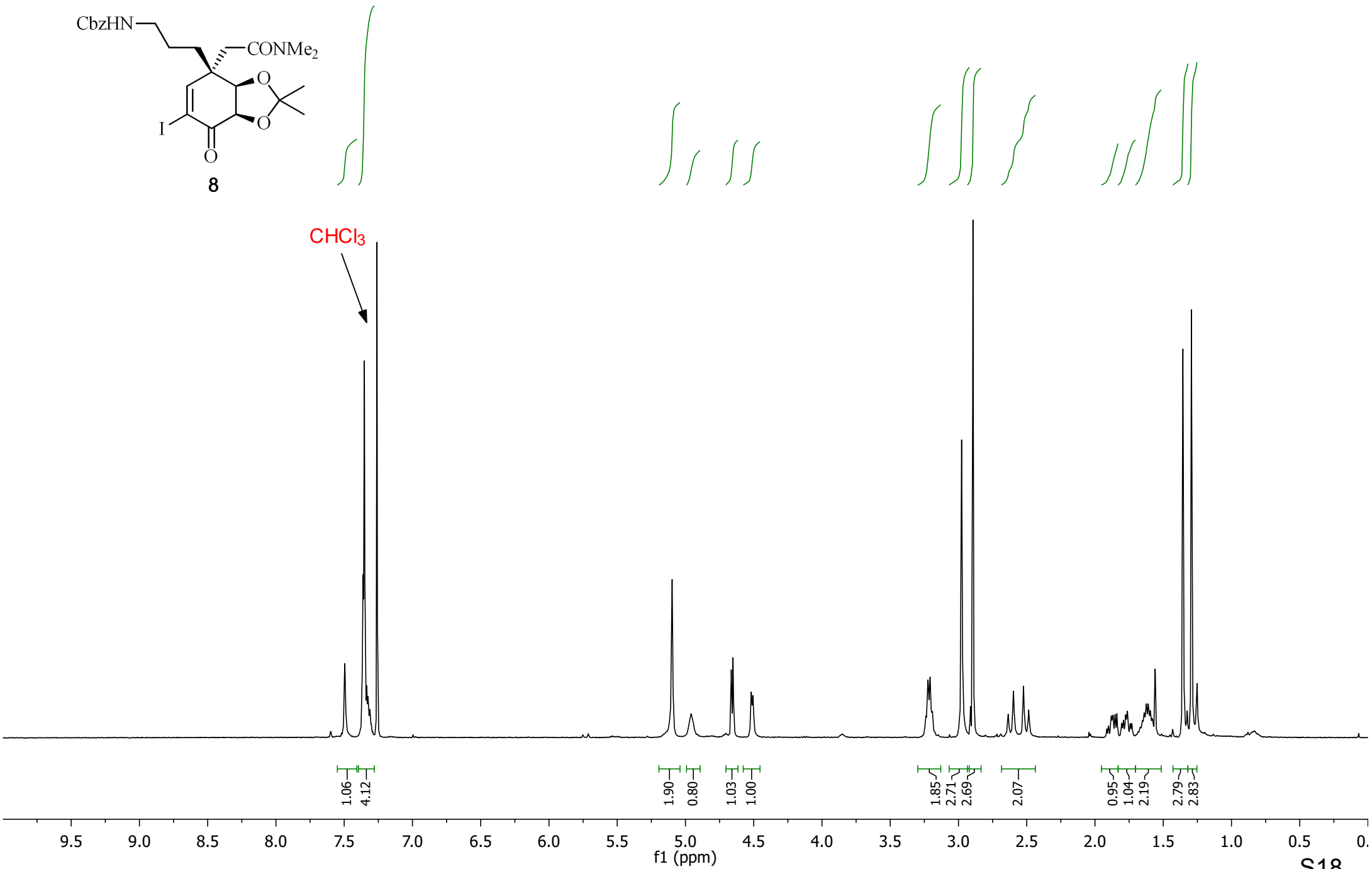
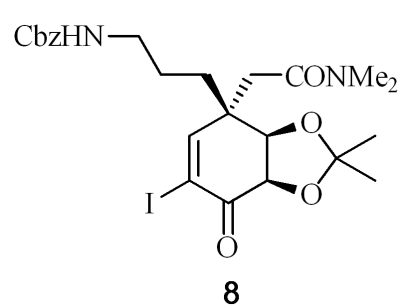
100 MHz ¹³C NMR Spectrum of Compound **18**
(recorded in CDCl₃)



CDCl₃



400 MHz ^1H NMR Spectrum of Compound **8**
(recorded in CDCl_3)



100 MHz ^{13}C NMR Spectrum of Compound **8**
(recorded in CDCl_3)

