

Supplementary Material

Attempts towards the synthesis of mupirocin-H

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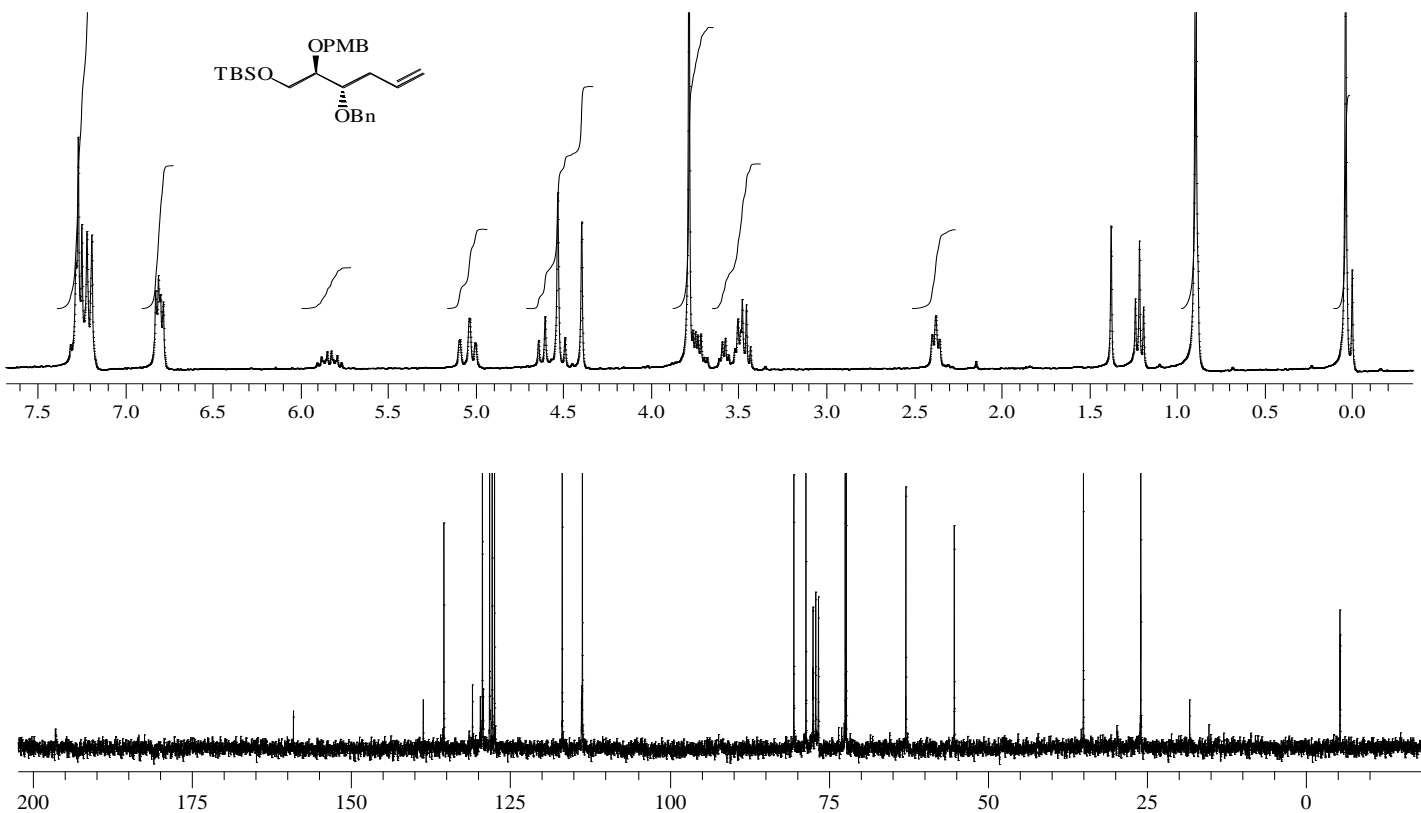
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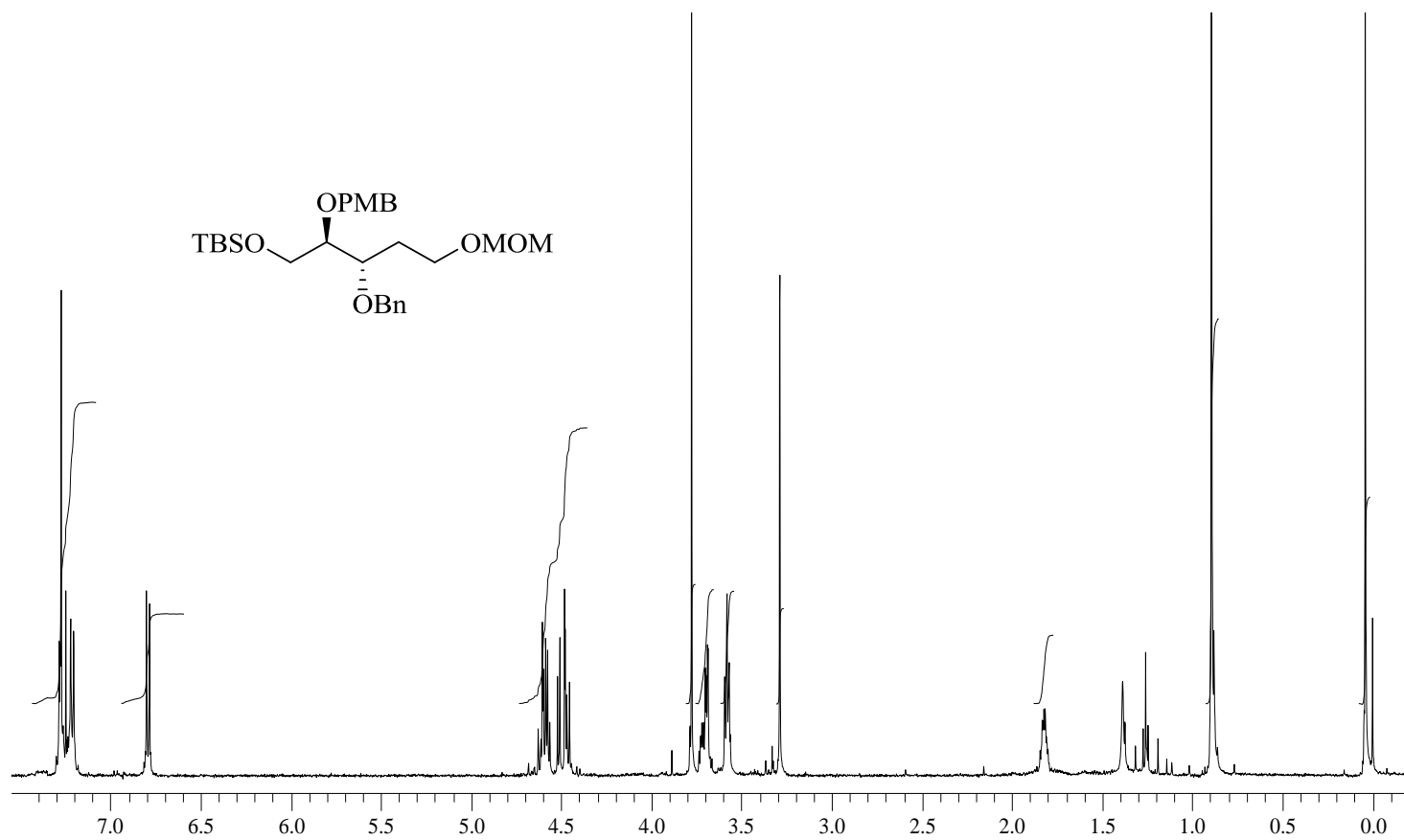
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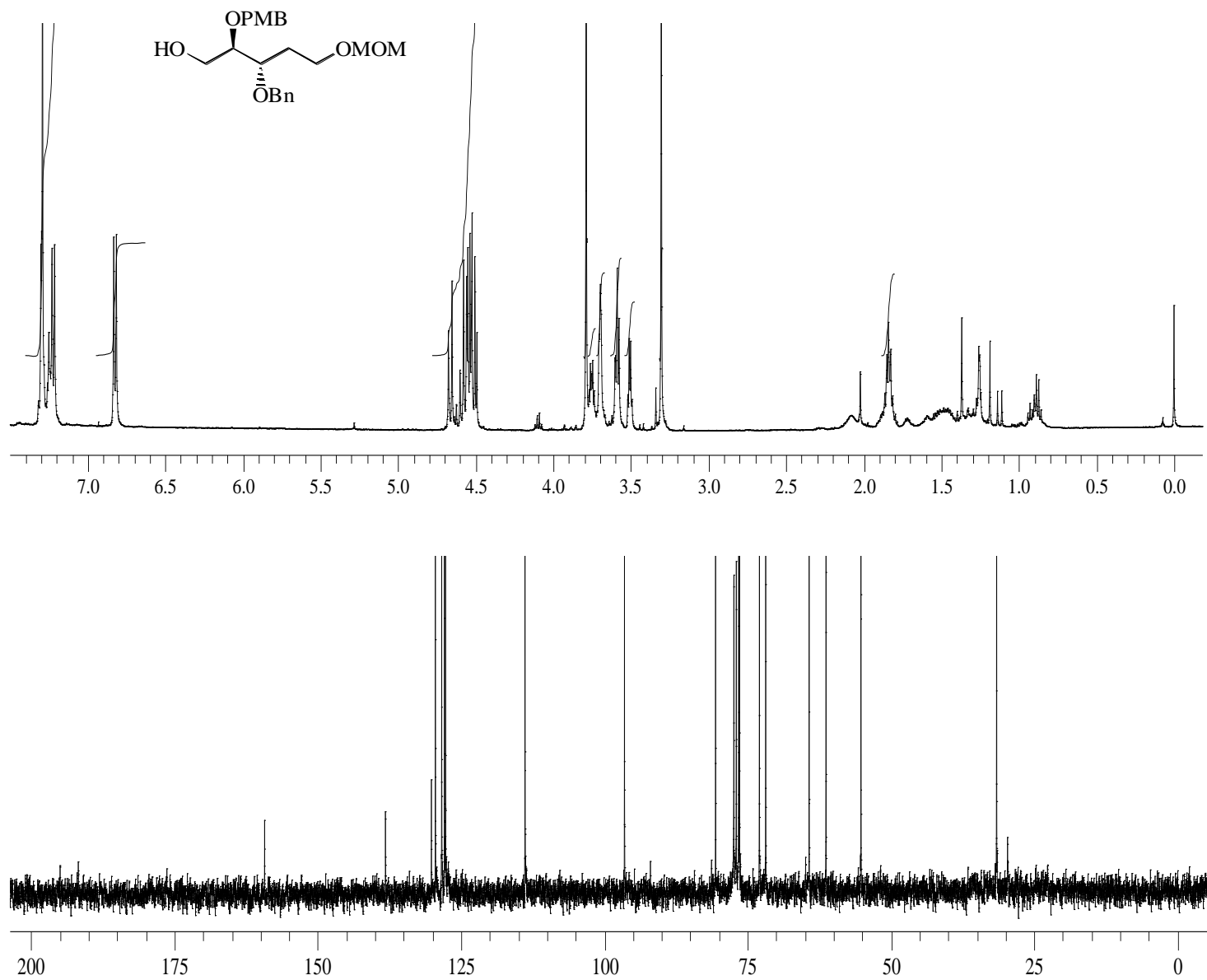
General. Analytical thin layer chromatography (TLC) was carried out using silica gel 60 F254 pre-coated plates. Visualization was accomplished with UV lamp or I₂ stain. All products were characterized by their NMR and HRMS spectra. The ¹H NMR (300 MHz) spectra were recorded on Bruker Avance spectrometer and ¹³C NMR (75 MHz) spectra were recorded on Bruker Avance spectrometers using TMS as an internal standard, chemical shifts were reported in parts per million (ppm, δ) downfield from tetramethylsilane. ESI, HRMS were recorded on 'High Resolution QSTAR XL hybrid MS/MS system, Applied biosystems' under Electron Spray Ionization conditions preparing sample solutions in MeOH. IR spectra were recorded on Perkin-Elmer Infrared-683 spectrometer.



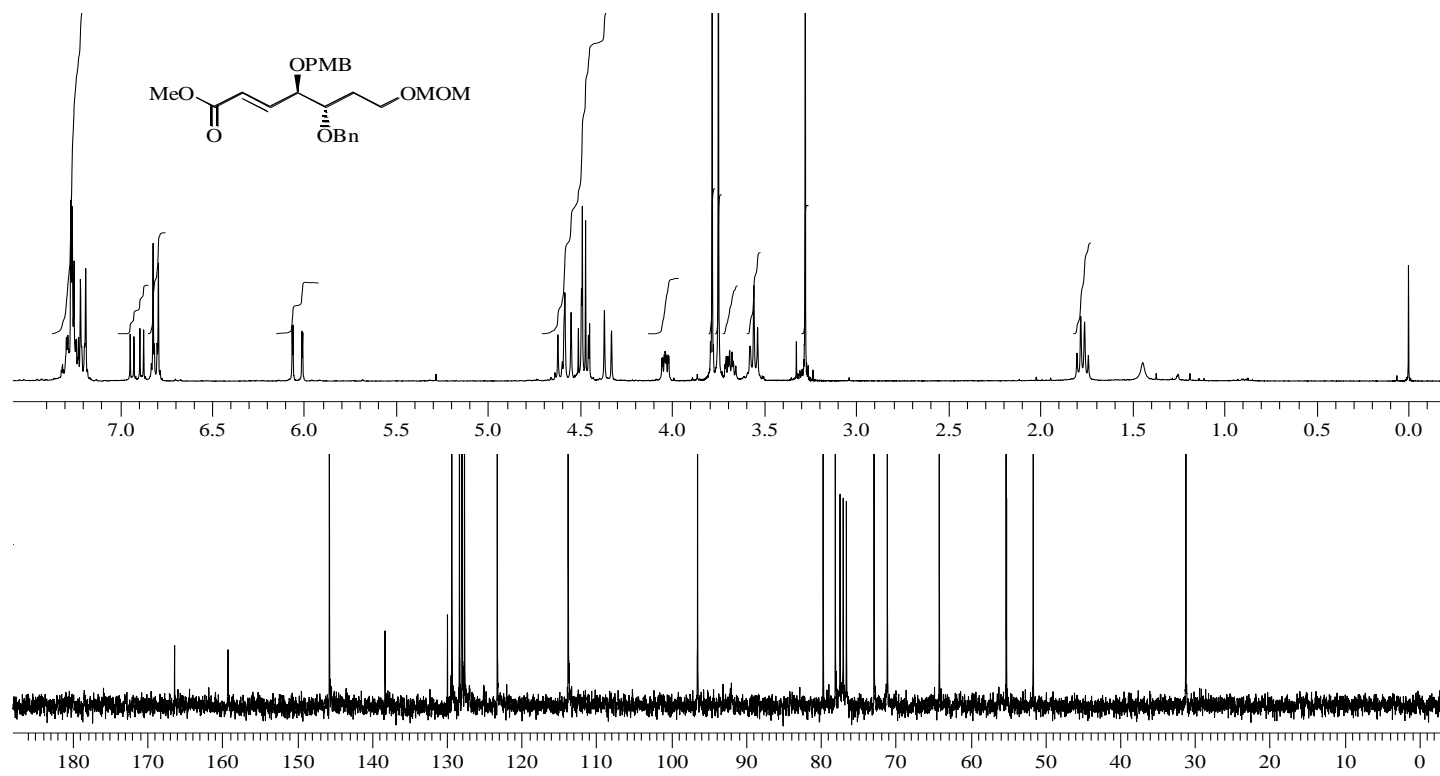
Spectrum 1: ^1H NMR Spectrum of compound 10 in CDCl_3 (300 MHz)
 ^{13}C NMR Spectrum of compound 10 in CDCl_3 (75 MHz)



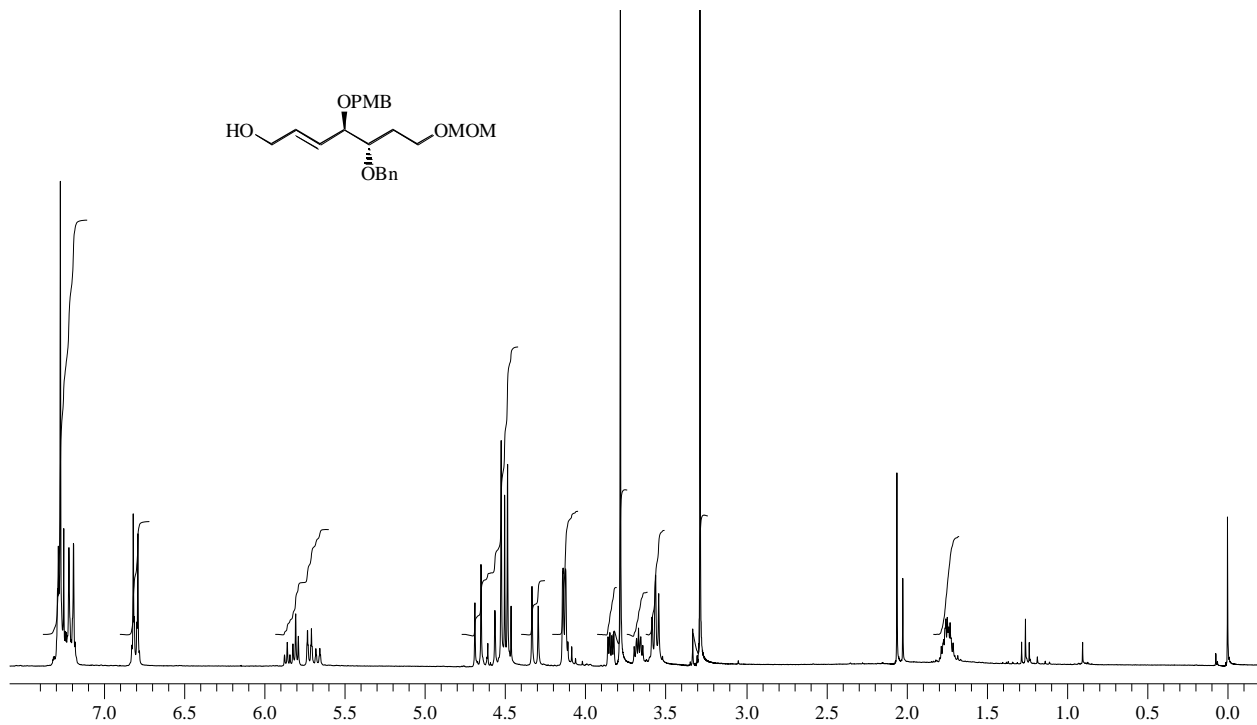
Spectrum 3: ^1H NMR Spectrum of compound 14 in CDCl_3 (500 MHz)



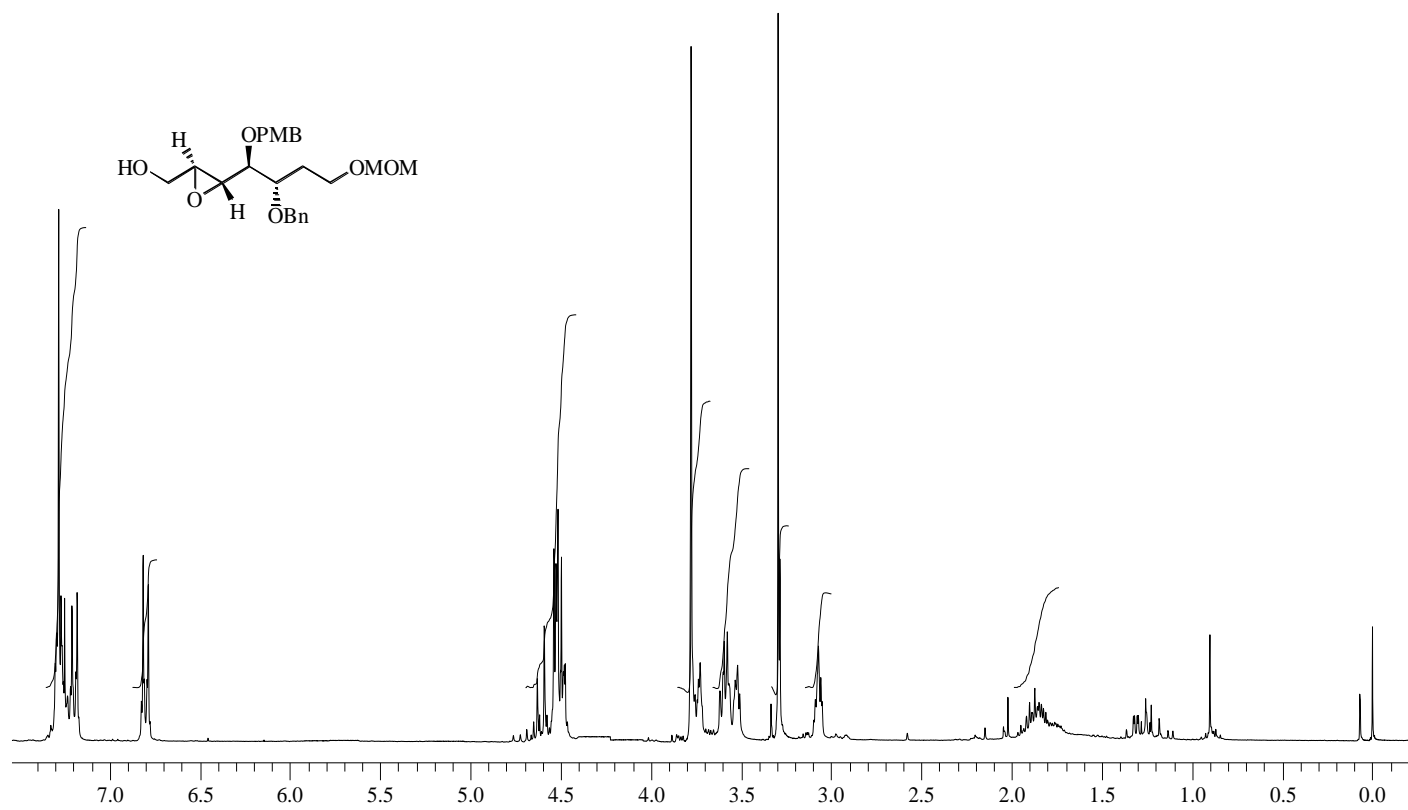
Spectrum 4: ¹H NMR Spectrum of compound 15 in CDCl₃ (500 MHz)
¹³C NMR Spectrum of compound 15 in CDCl₃ (125 MHz)



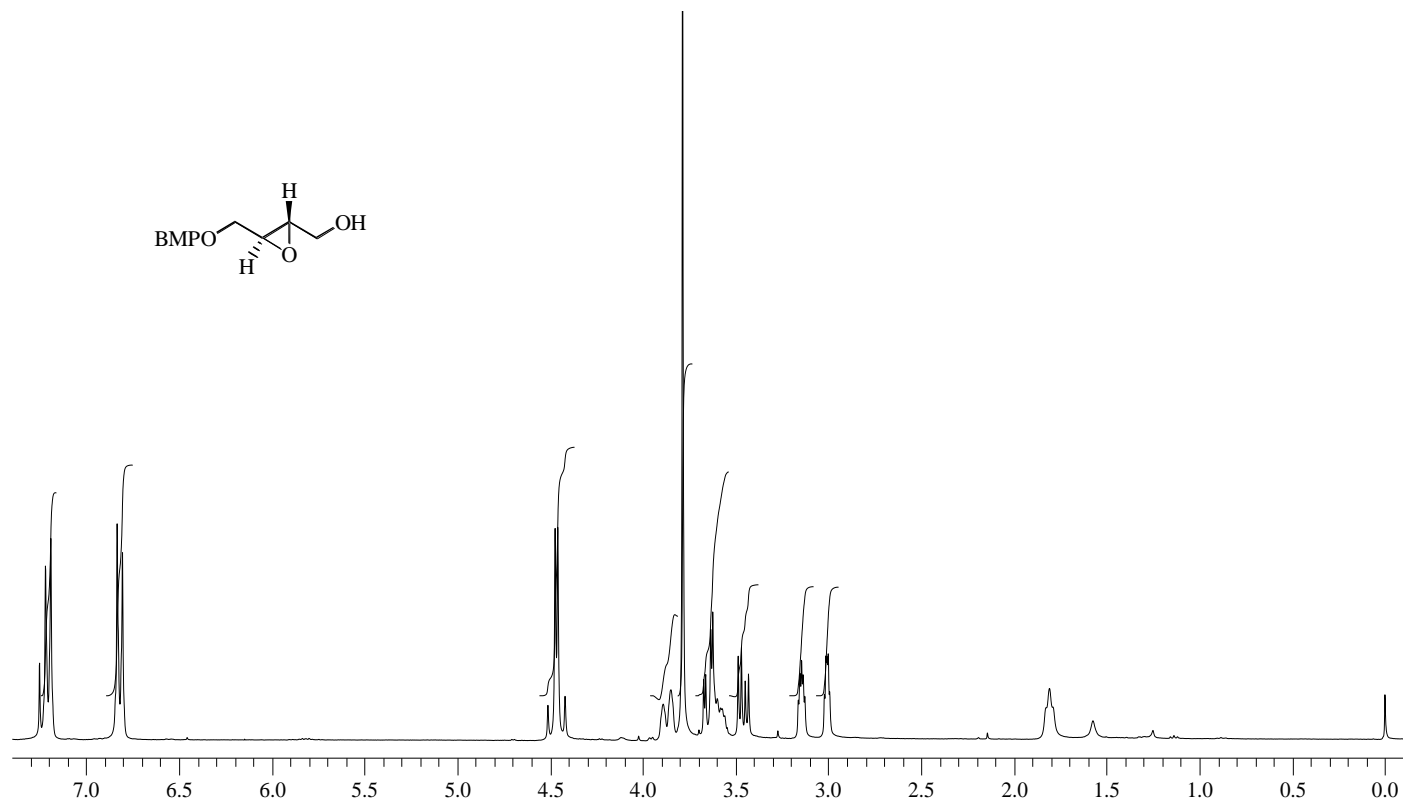
Spectrum 5: ¹H NMR Spectrum of compound 17b in CDCl₃ (300 MHz)
¹³C NMR Spectrum of compound 17b in CDCl₃ (75 MHz)



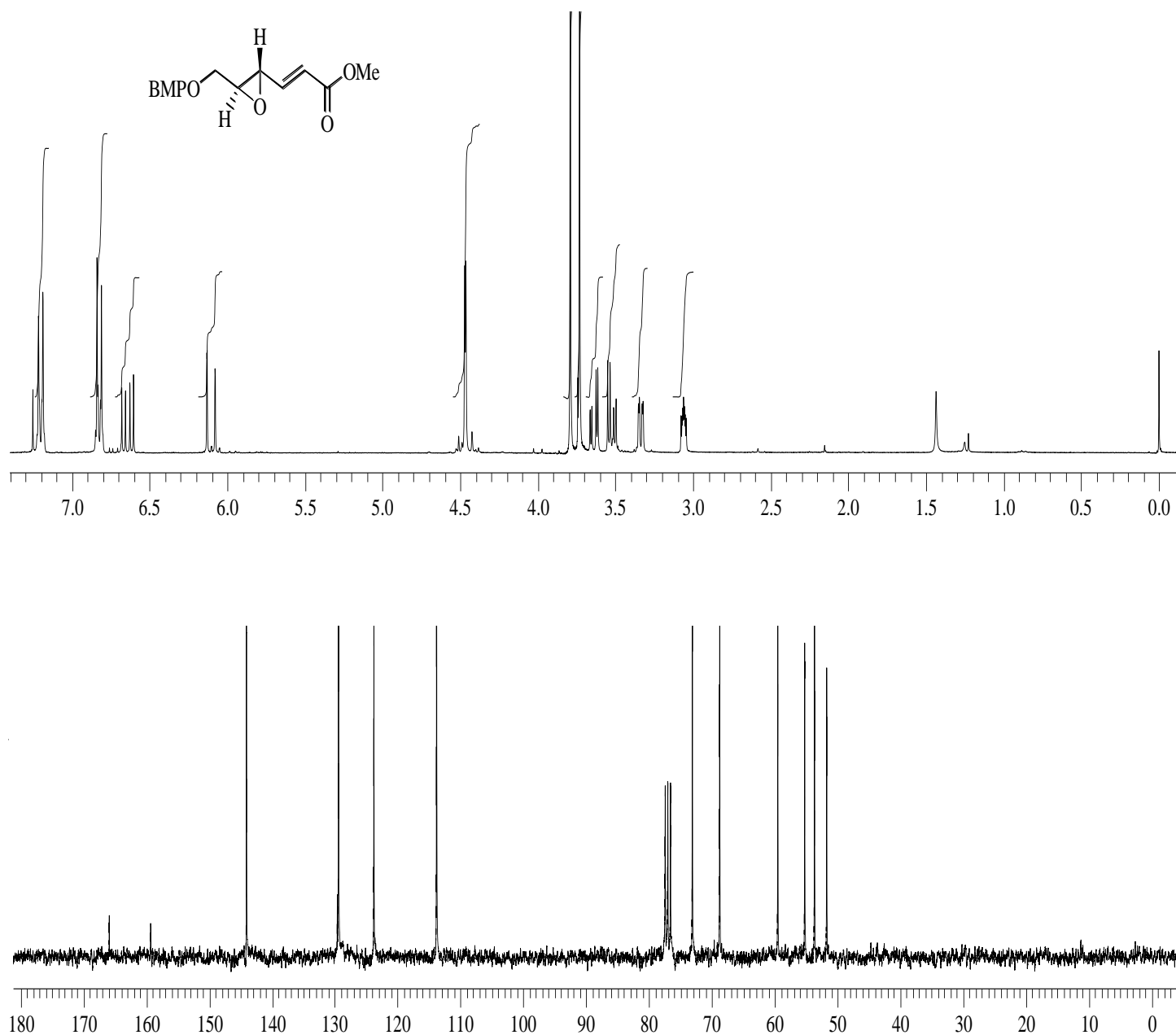
Spectrum 6: ¹H NMR Spectrum of compound 18 in CDCl₃ (300 MHz)



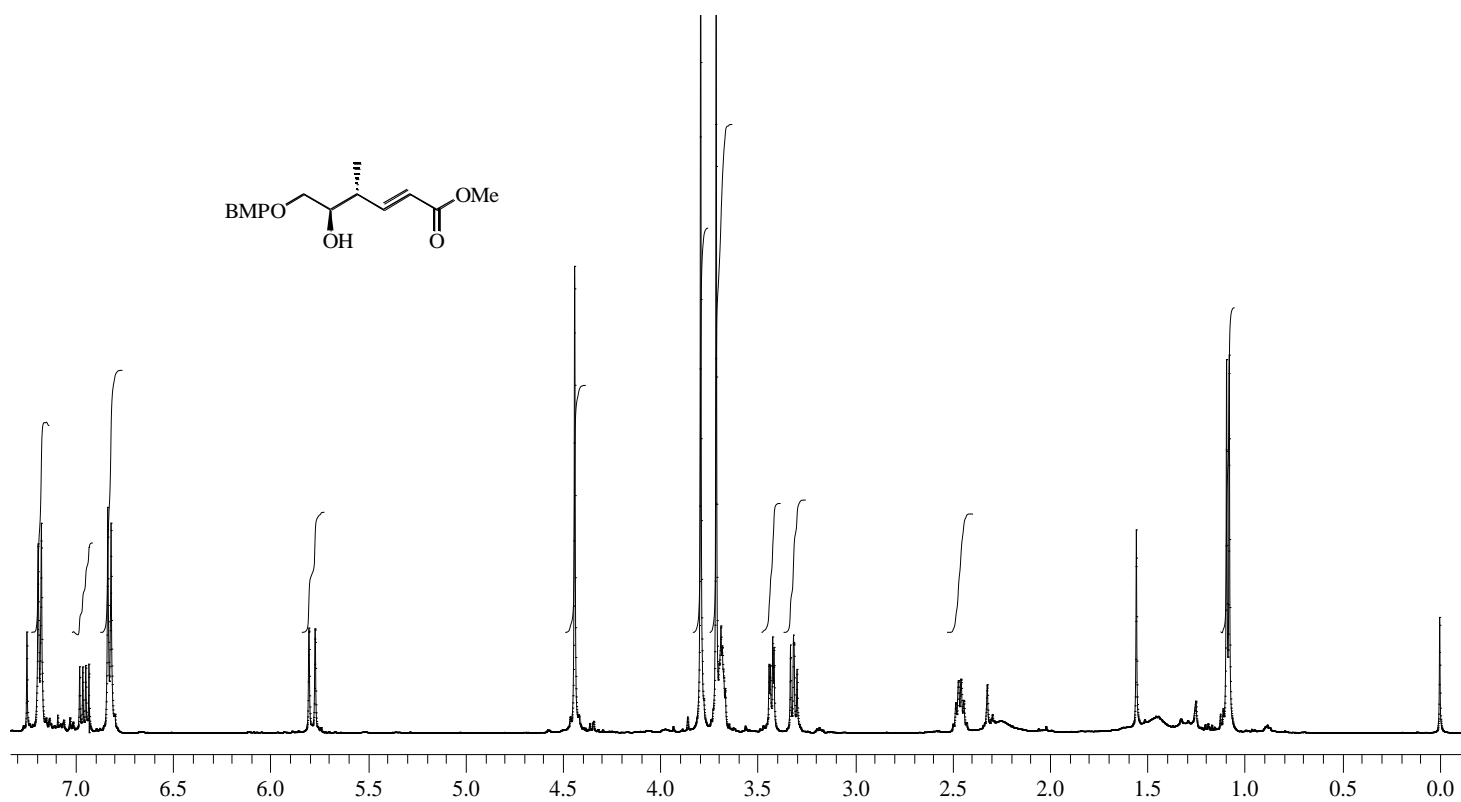
Spectrum 7: ¹H NMR Spectrum of compound 3 in CDCl₃ (300 MHz)



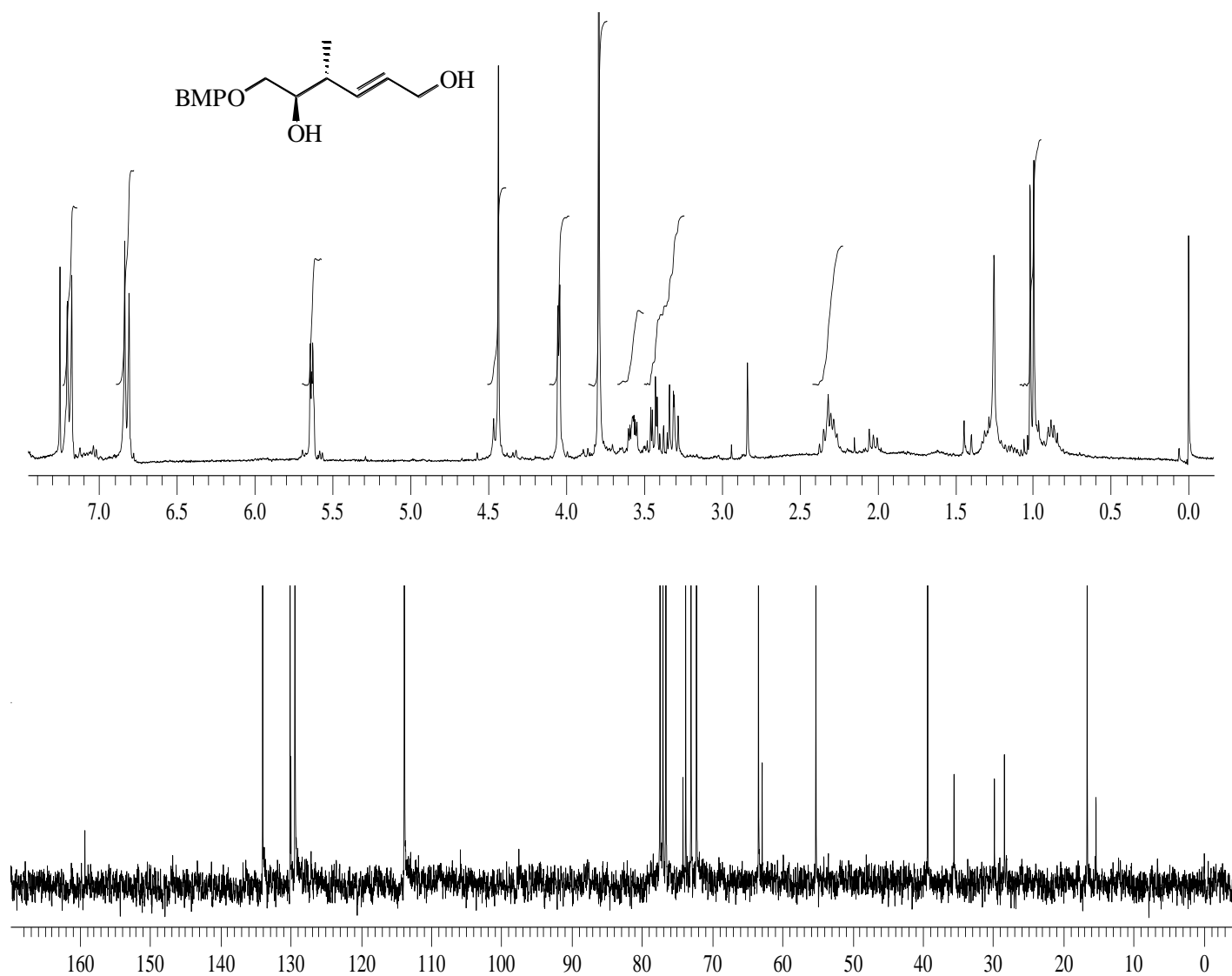
Spectrum 8: ¹H NMR Spectrum of compound 21 in CDCl₃ (300 MHz)



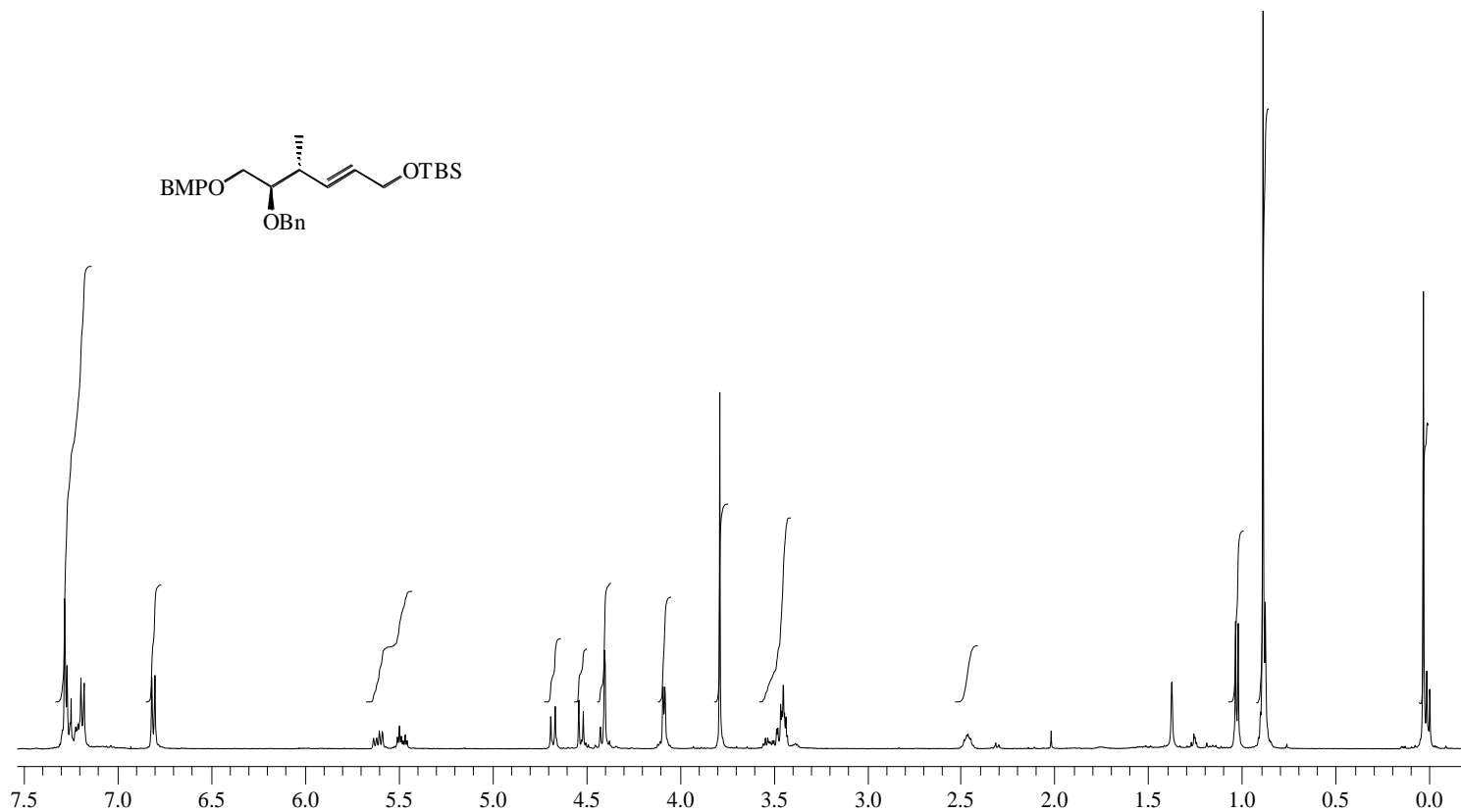
Spectrum 9: ¹H NMR Spectrum of compound 6 in CDCl₃ (300 MHz)
¹³C NMR Spectrum of compound 6 in CDCl₃ (75 MHz)



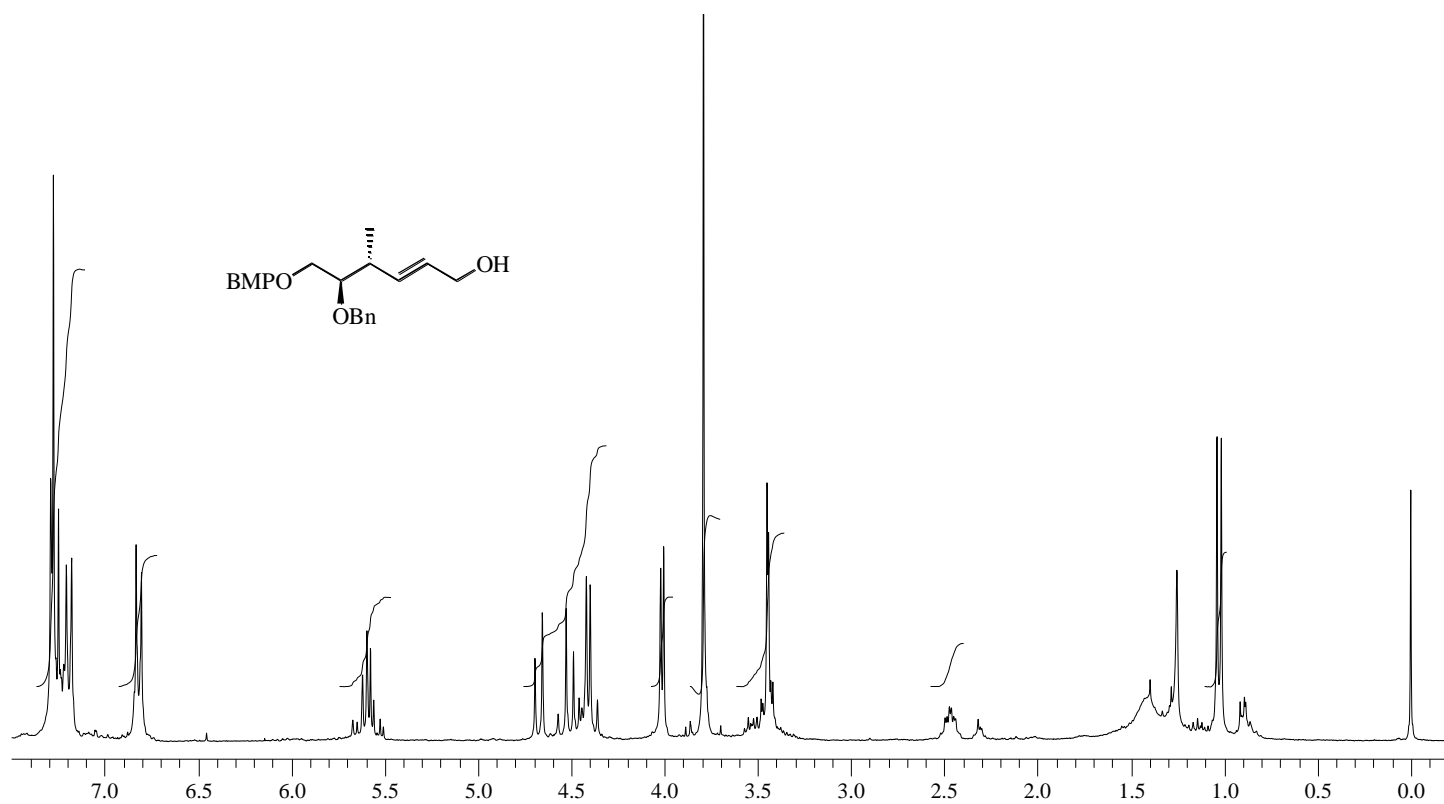
Spectrum 10: ^1H NMR Spectrum of compound 23 in CDCl_3 (500 MHz)



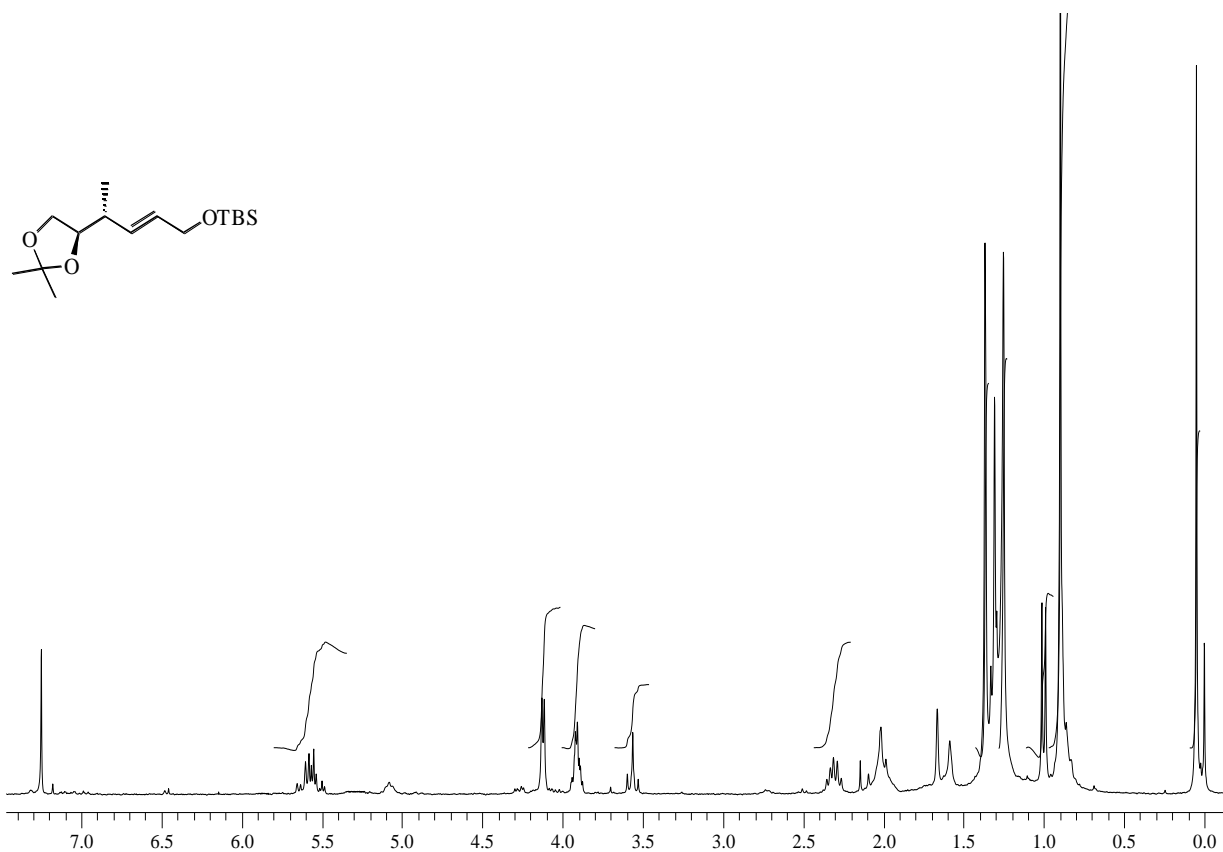
Spectrum 11: ^1H NMR & ^{13}C NMR Spectrums of compound 24 in CDCl_3



Spectrum 12: ¹H NMR Spectrum of compound 26 in CDCl₃ (500 MHz)



Spectrum 13: ¹H NMR Spectrum of compound 29 in CDCl₃ (300 MHz)



Spectrum 12: ¹H NMR Spectrum of compound 28 in CDCl₃ (300 MHz)