

Studies towards the synthesis of Epothilone A via organoboranes

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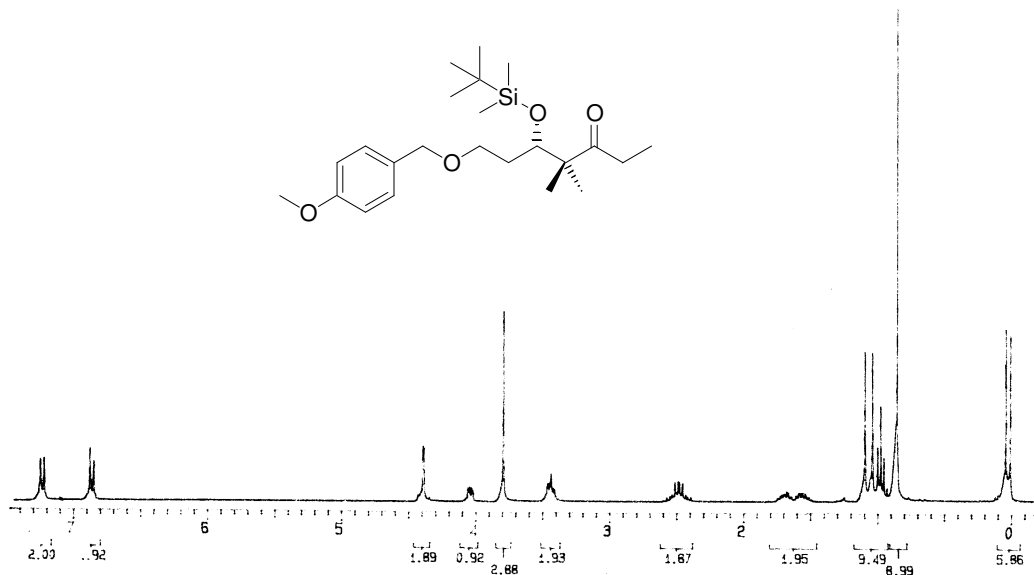


Figure 1: 300 MHz ¹H NMR Spectrum of Compound 2 in CDCl₃

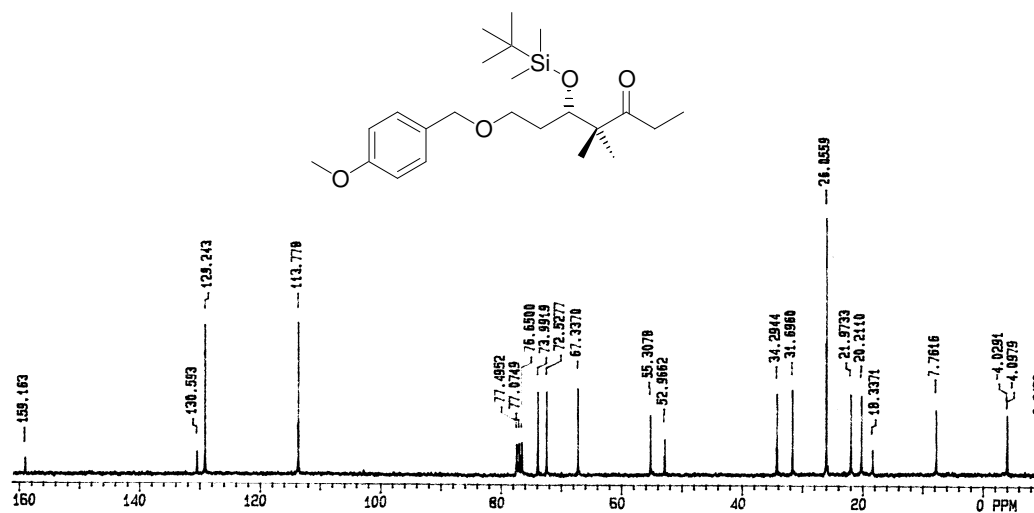


Figure 2: 75.5 MHz ¹³C NMR Spectrum of Compound 2 in CDCl₃

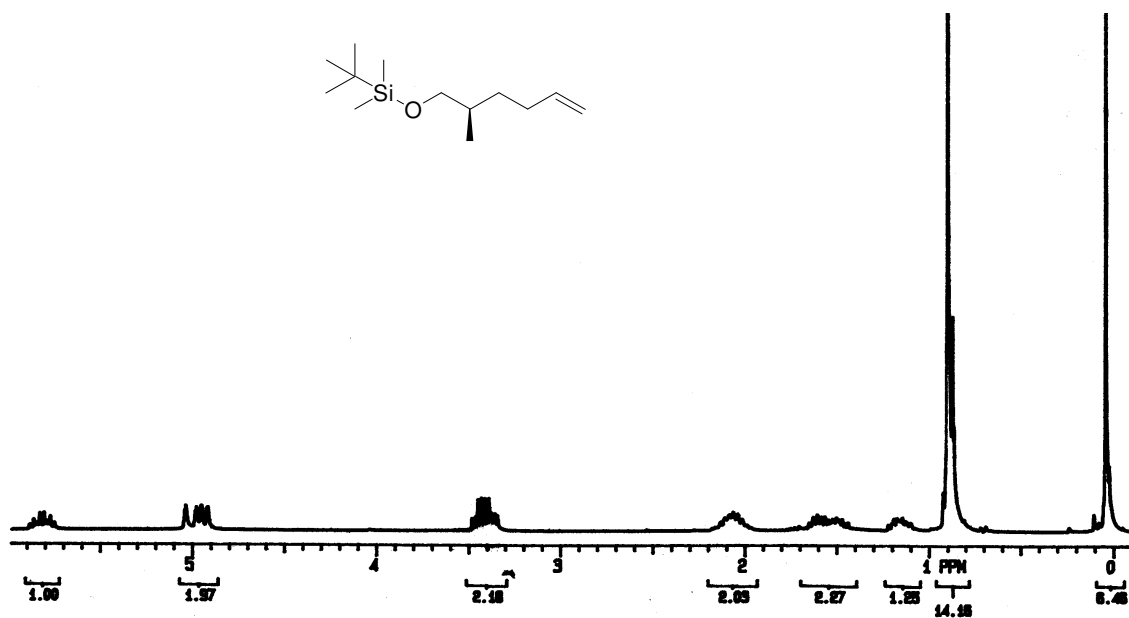


Figure 3: 300 MHz ^1H NMR Spectrum of Compound 31 in CDCl_3

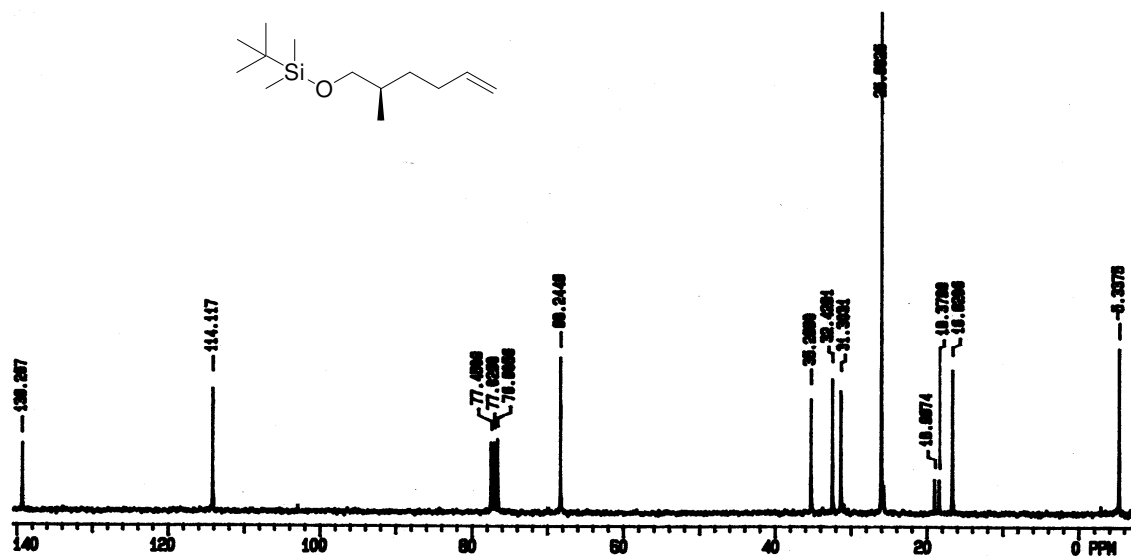


Figure 4: 75.5 MHz ^{13}C NMR Spectrum of Compound 31 in CDCl_3

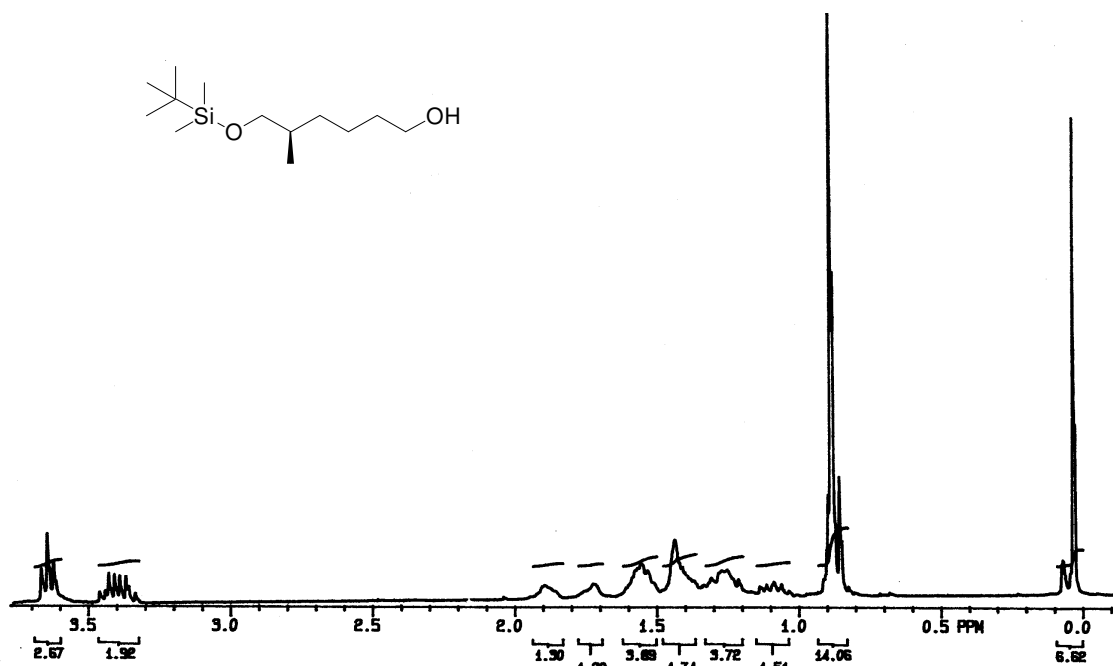


Figure 5: 300 MHz ¹H NMR Spectrum of Compound **OH-31** in CDCl₃

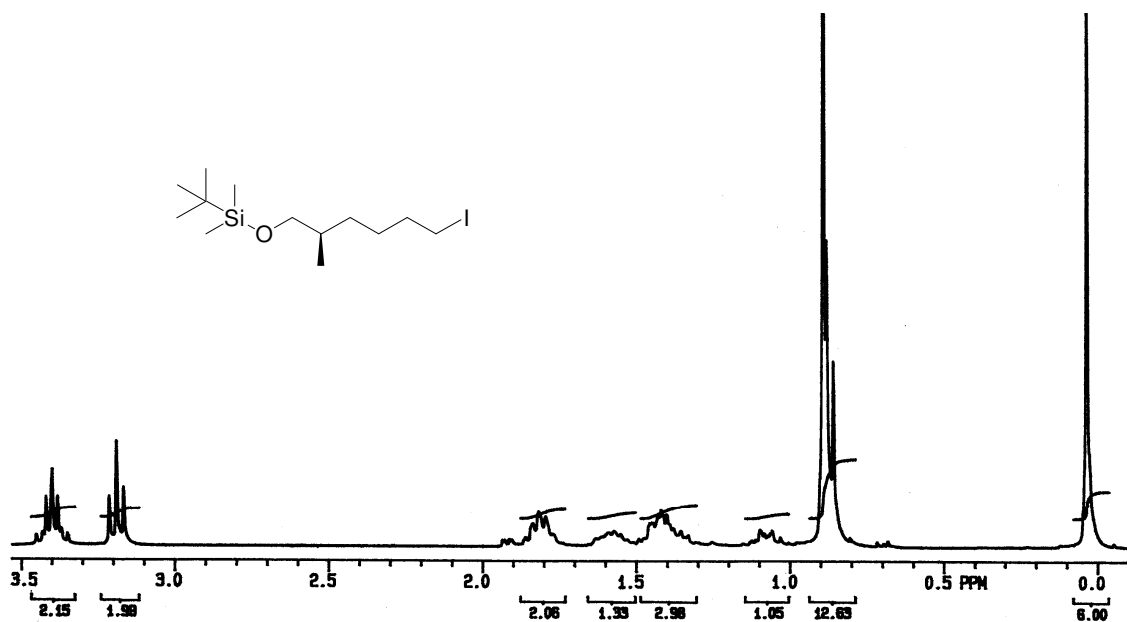


Figure 6: 300 MHz ^1H NMR Spectrum of Compound 25 in CDCl_3

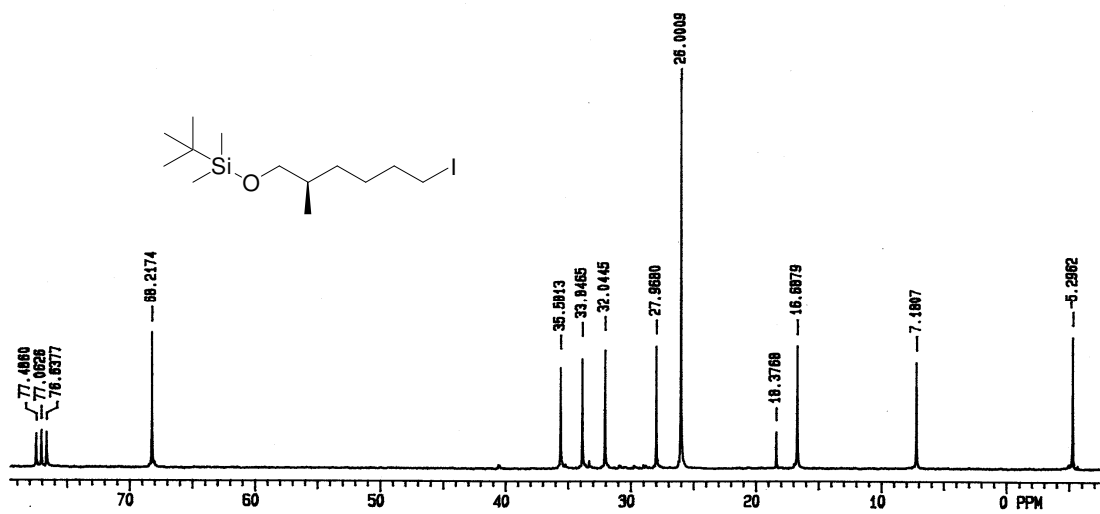


Figure 7: 75.5 MHz ^{13}C NMR Spectrum of Compound 25 in CDCl_3

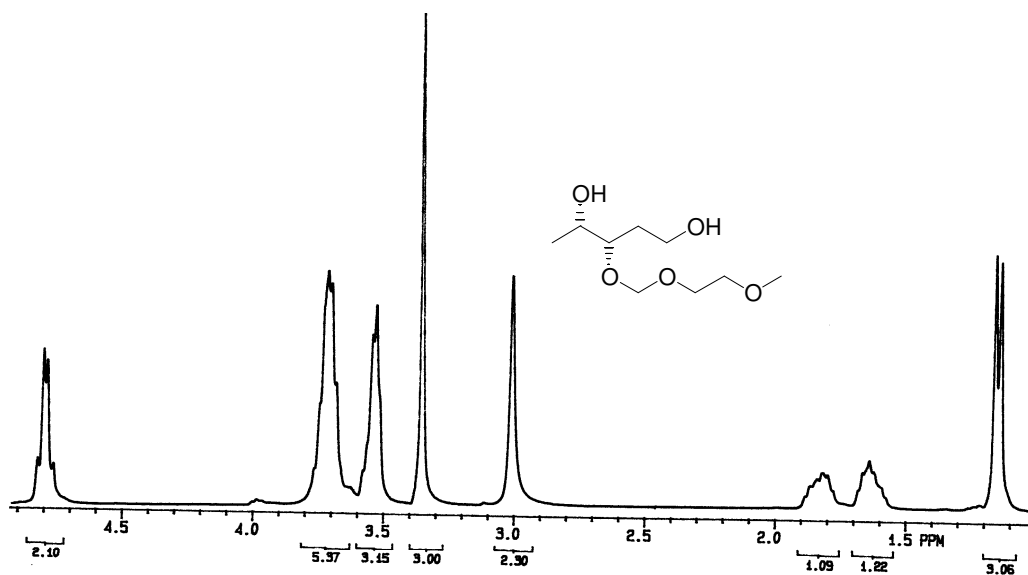


Figure 8: 300 MHz ^1H NMR Spectrum of Compound **37** in CDCl_3

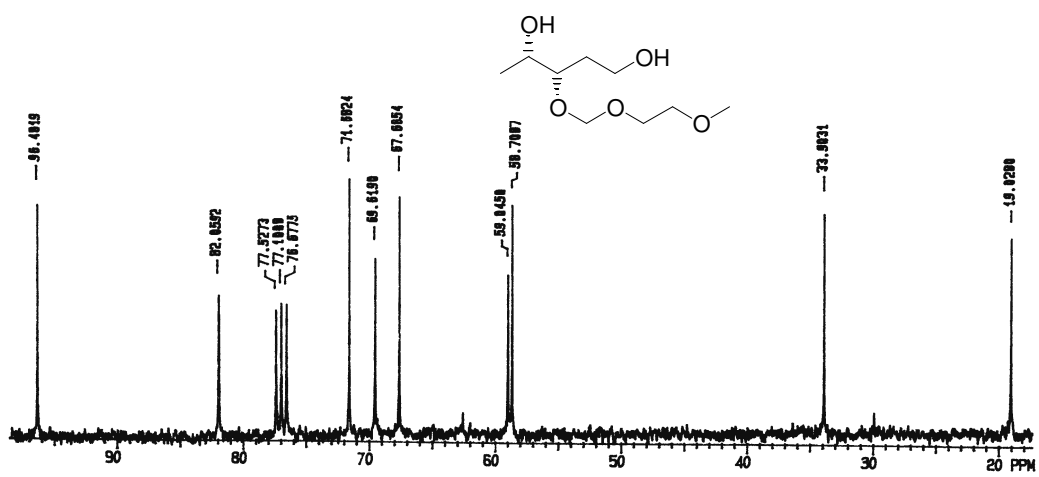


Figure 9: 75.5 MHz ^{13}C NMR Spectrum of Compound **37** in CDCl_3

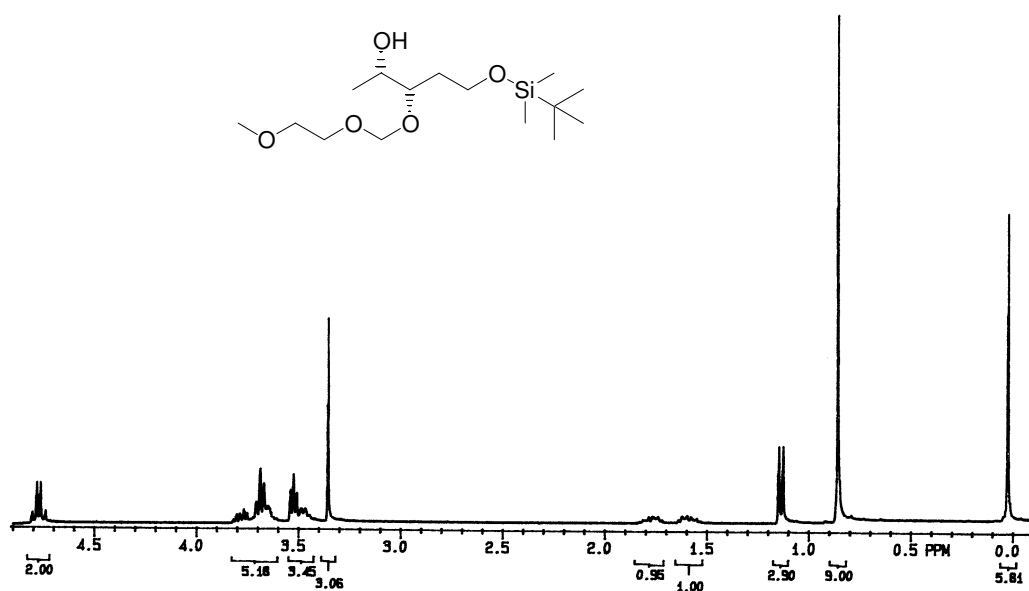


Figure 10: 300 MHz ¹H NMR Spectrum of Compound **TBS-37** in CDCl₃

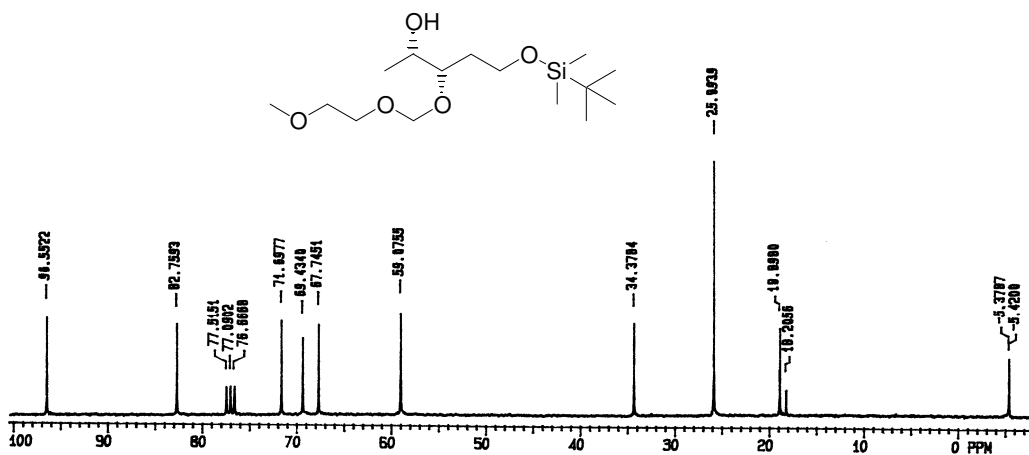


Figure 11: 75.5 MHz ¹³C NMR Spectrum of Compound **TBS-37** in CDCl₃

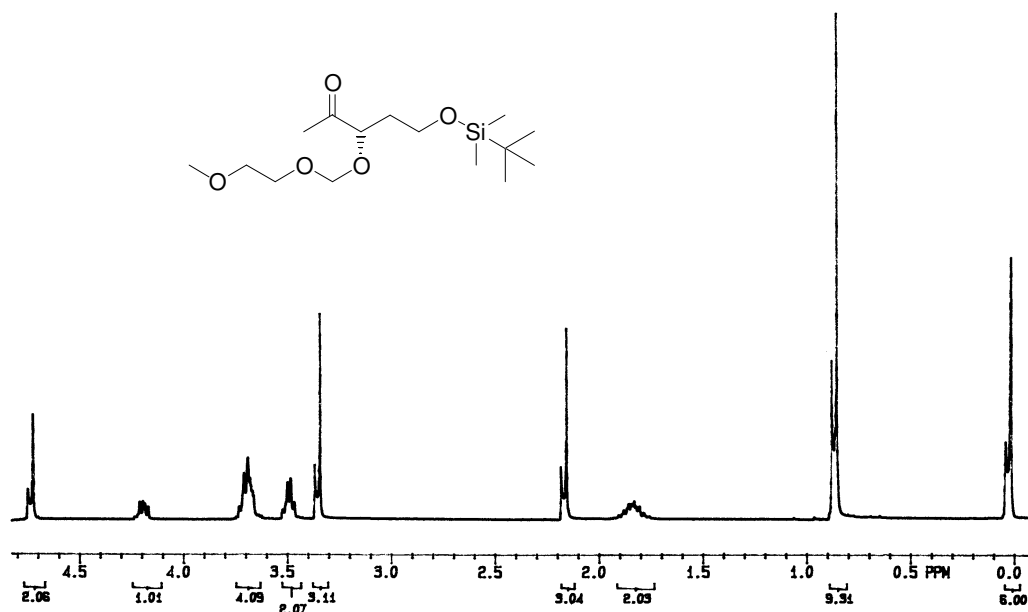


Figure 12: 300 MHz ¹H NMR Spectrum of Compound **38** in CDCl₃

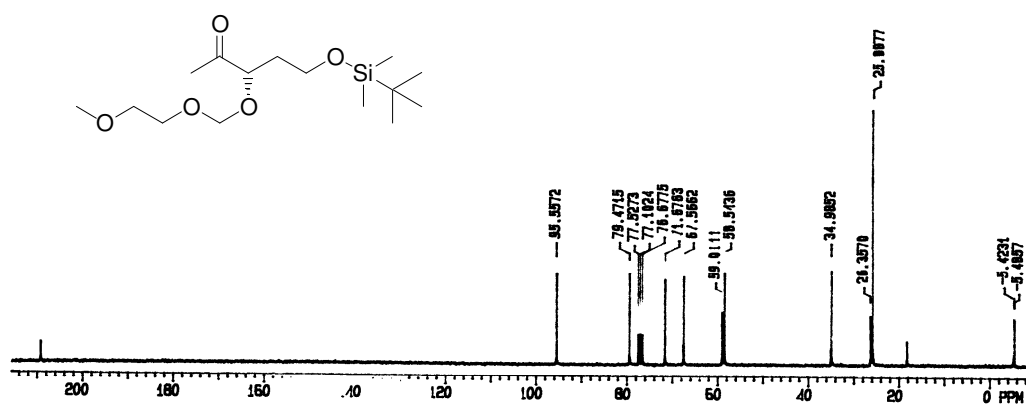


Figure 13: 75.5 MHz ¹³C NMR Spectrum of Compound **38** in CDCl₃

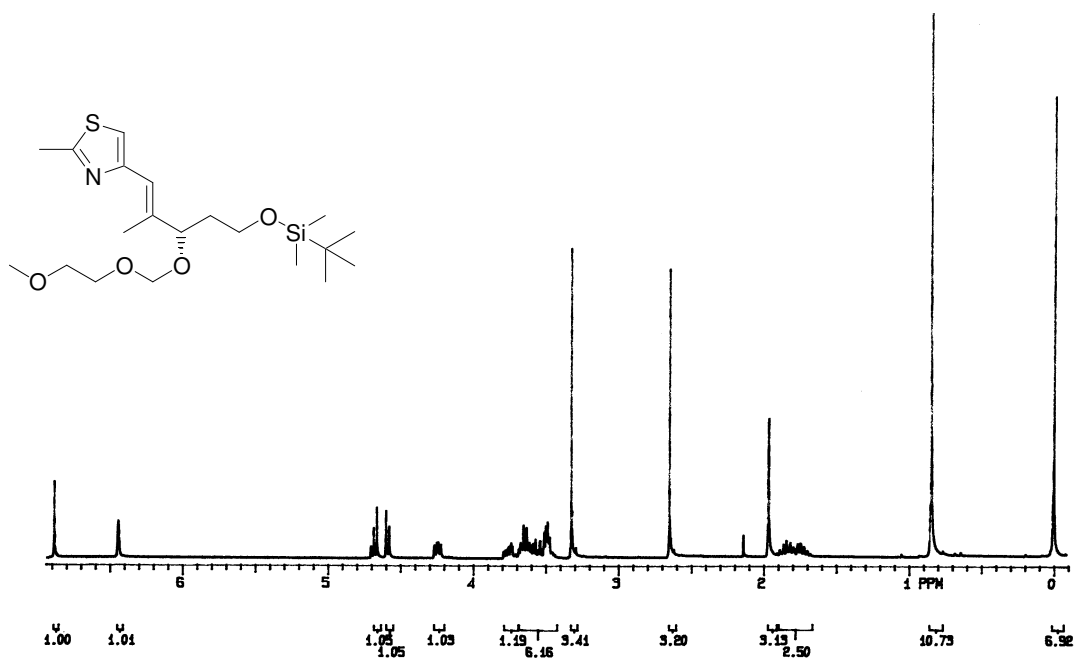


Figure 14: 300 MHz ¹H NMR Spectrum of Compound **39** in CDCl₃

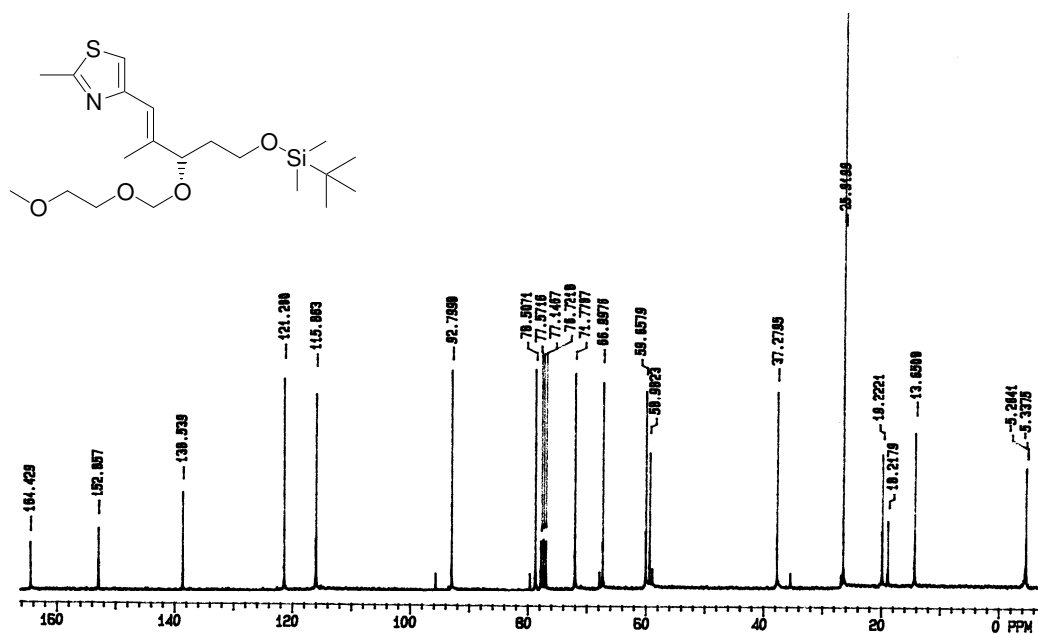


Figure 15: 75.5 MHz ¹³C NMR Spectrum of Compound **39** in CDCl₃

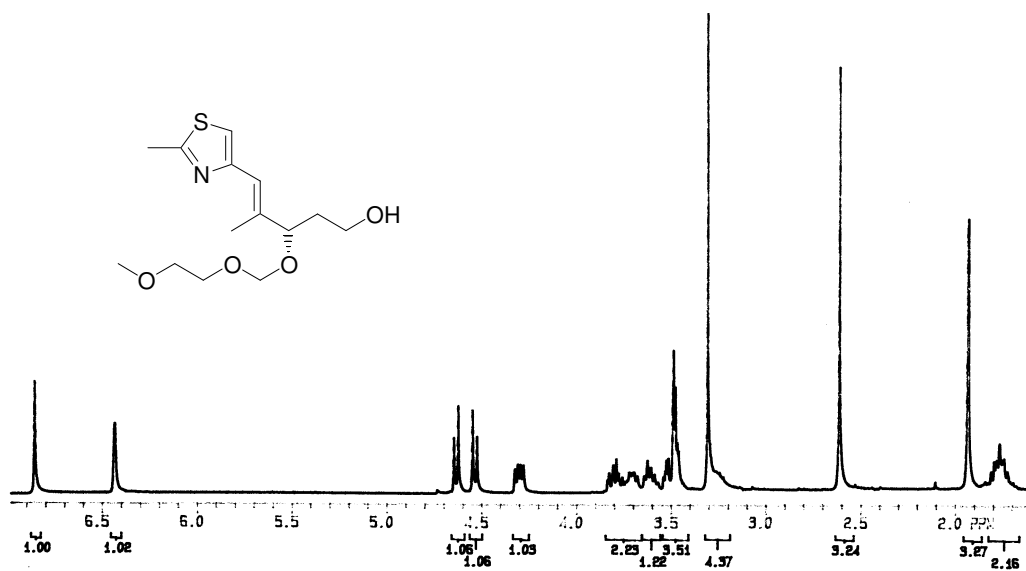


Figure 16: 300 MHz ¹H NMR Spectrum of Compound **40** in CDCl₃

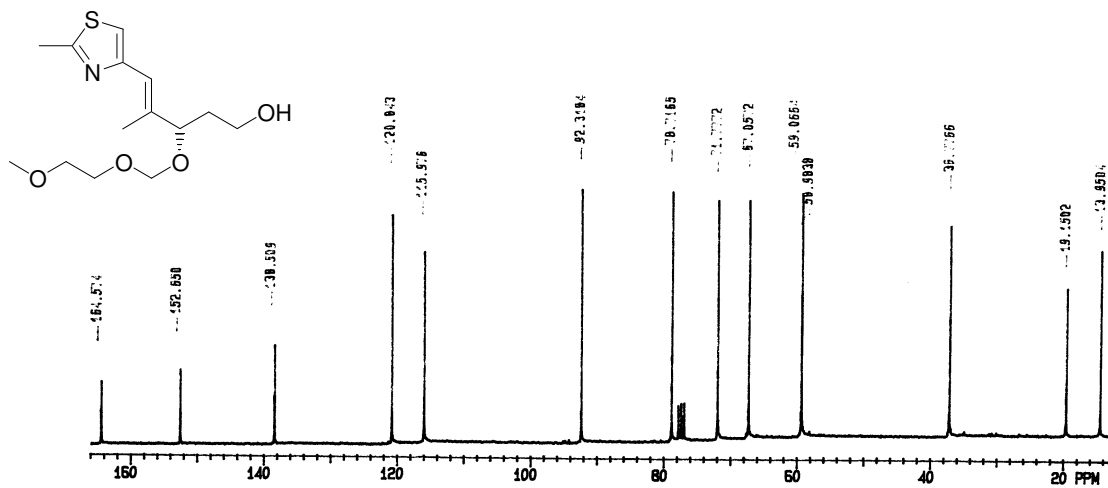


Figure 17: 75.5 MHz ¹³C NMR Spectrum of Compound **40** in CDCl₃

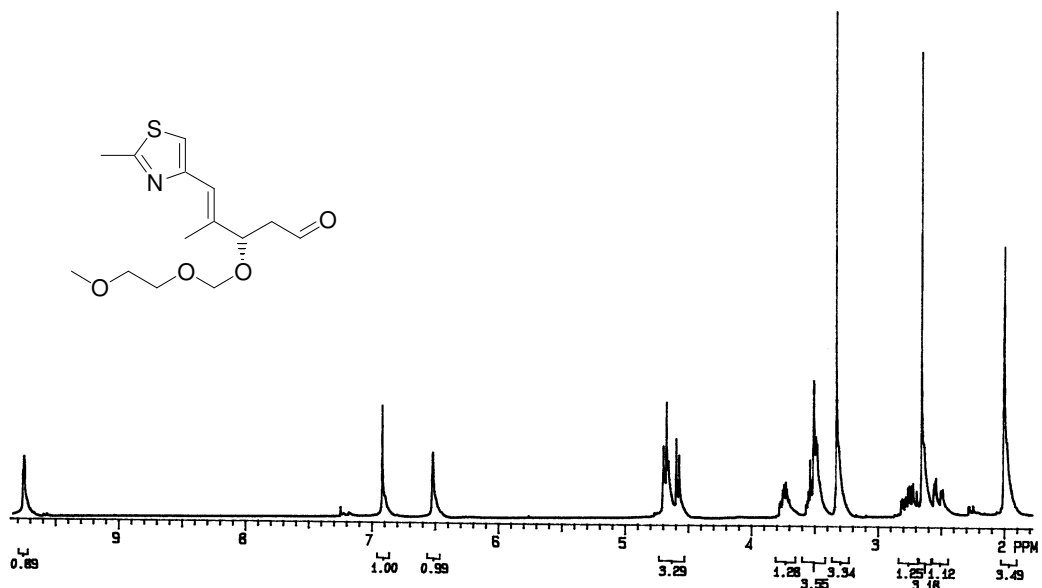


Figure 18: 300 MHz ¹H NMR Spectrum of Compound 27 in CDCl₃

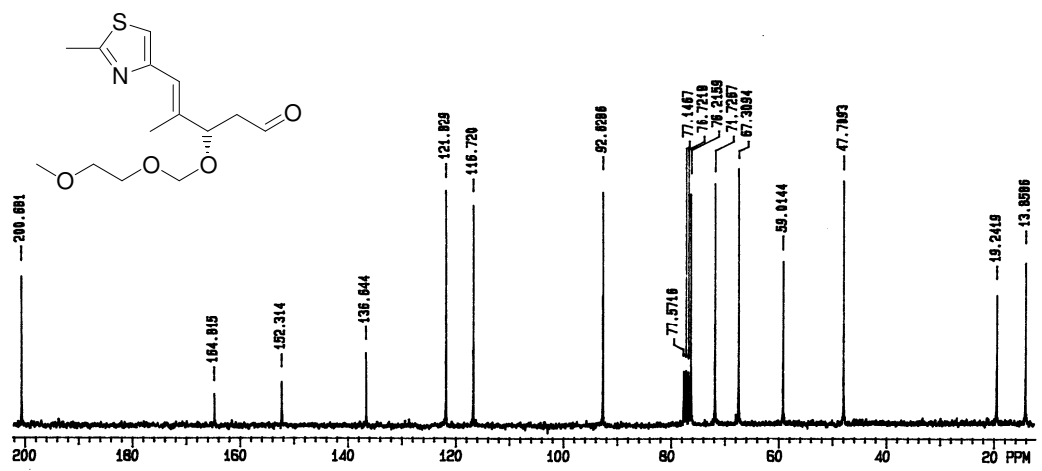


Figure 19: 75.5 MHz ¹³C NMR Spectrum of Compound 27 in CDCl₃

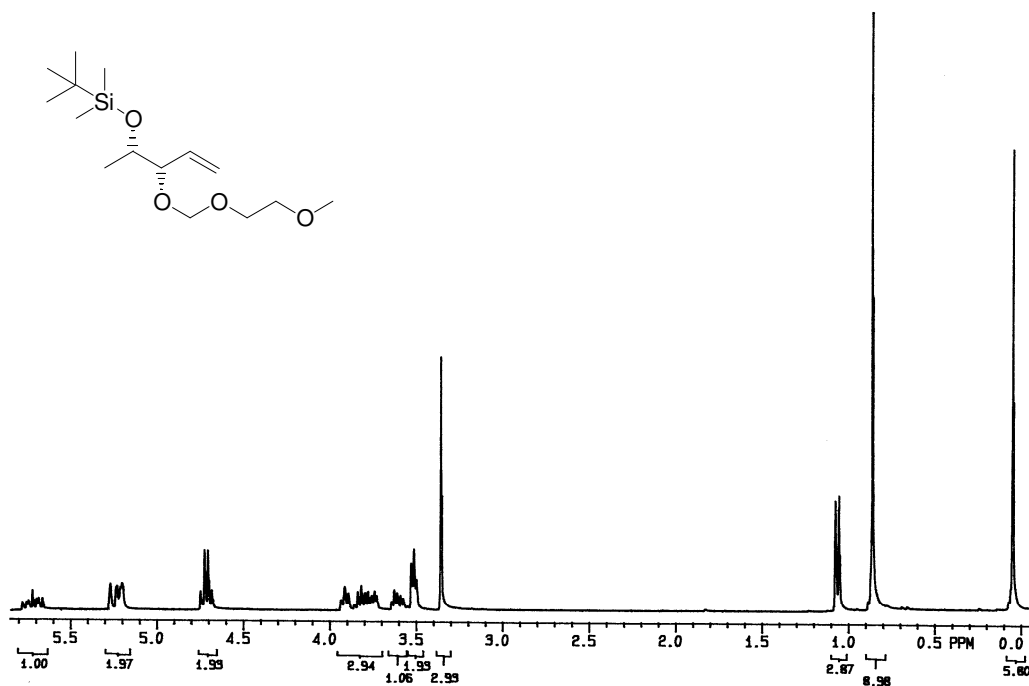


Figure 20: 300 MHz ¹H NMR Spectrum of Compound **45** in CDCl₃

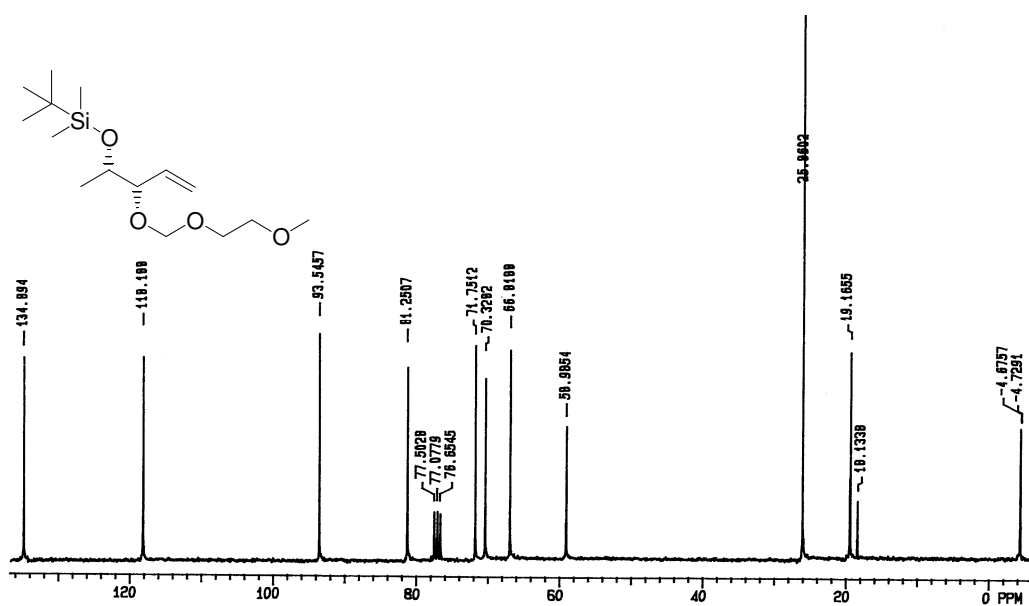


Figure 21: 75.5 MHz ¹³C NMR Spectrum of Compound **45** in CDCl₃

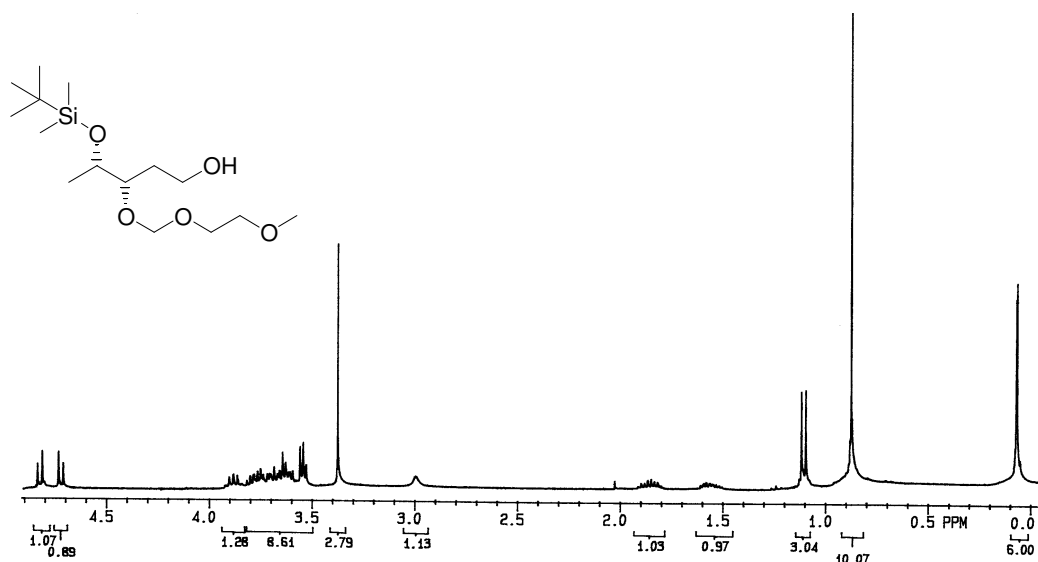


Figure 22: 300 MHz ¹H NMR Spectrum of Compound **OH-45** in CDCl₃

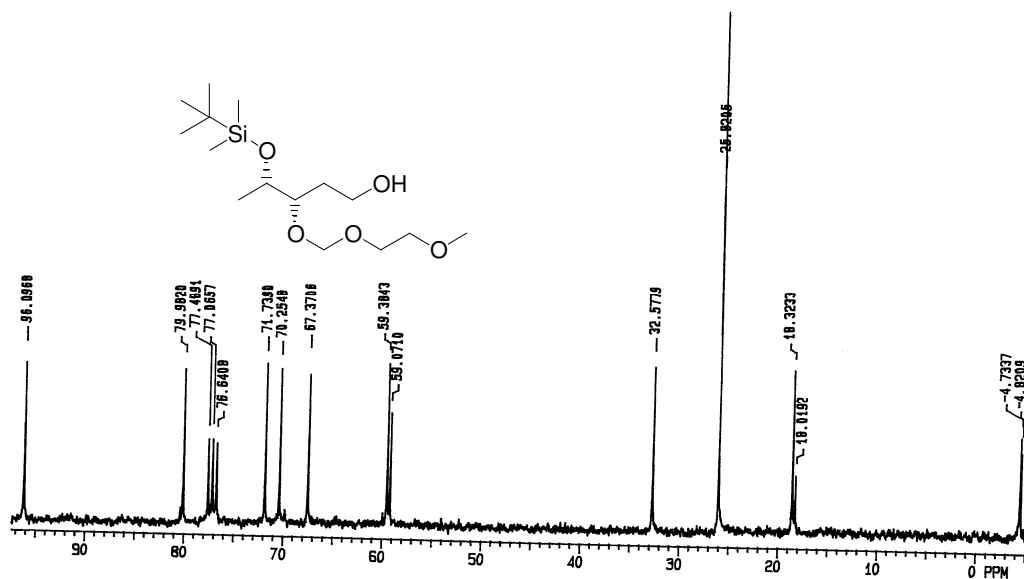


Figure 23: 75.5 MHz ¹³C NMR Spectrum of Compound **OH-45** in CDCl₃

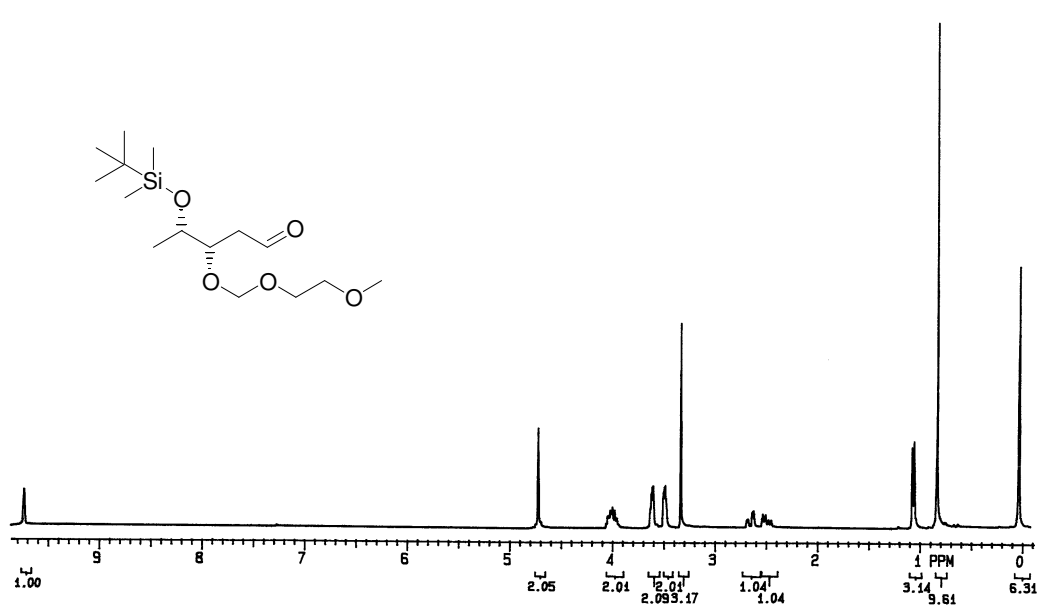


Figure 24: 300 MHz ¹H NMR Spectrum of Compound **46** in CDCl₃

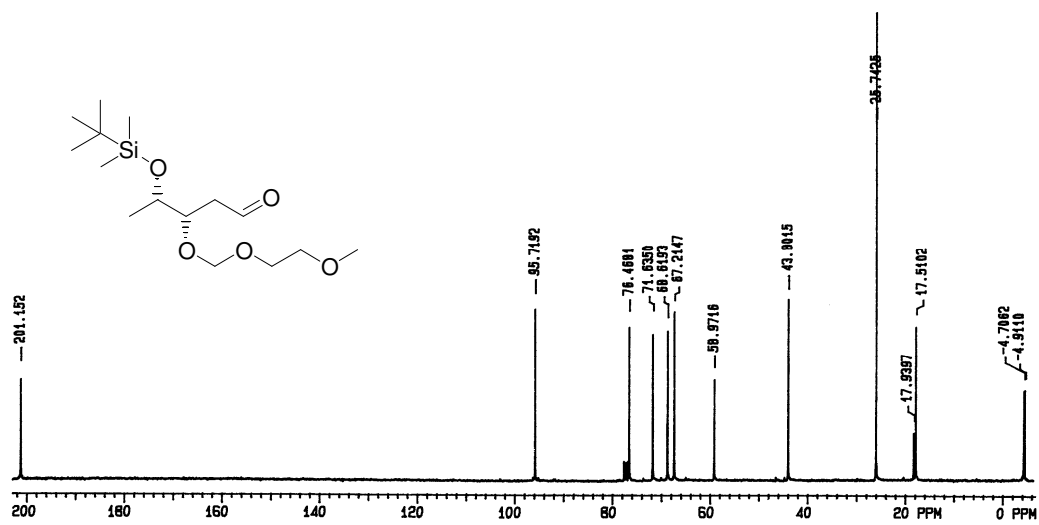


Figure 25: 75.5 MHz ¹³C NMR Spectrum of Compound **46** in CDCl₃

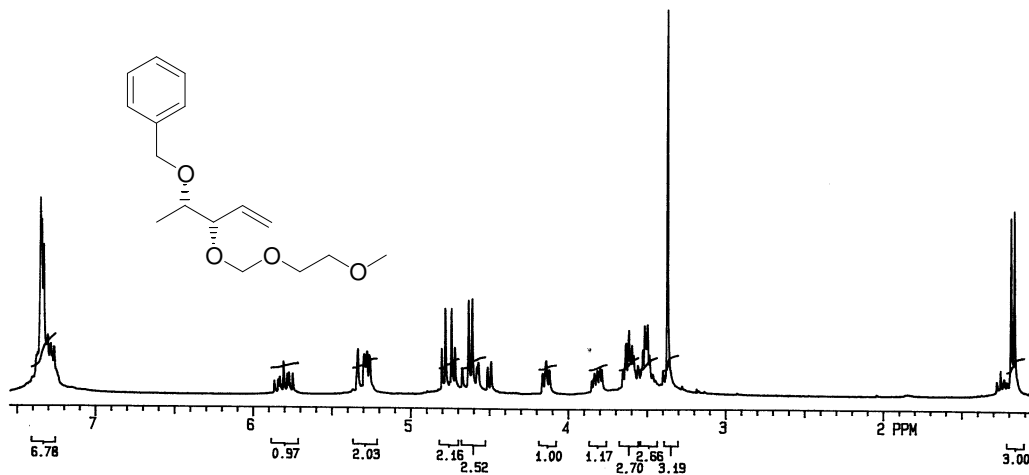


Figure 26: 300 MHz ¹H NMR Spectrum of Compound **Bn-33** in CDCl₃

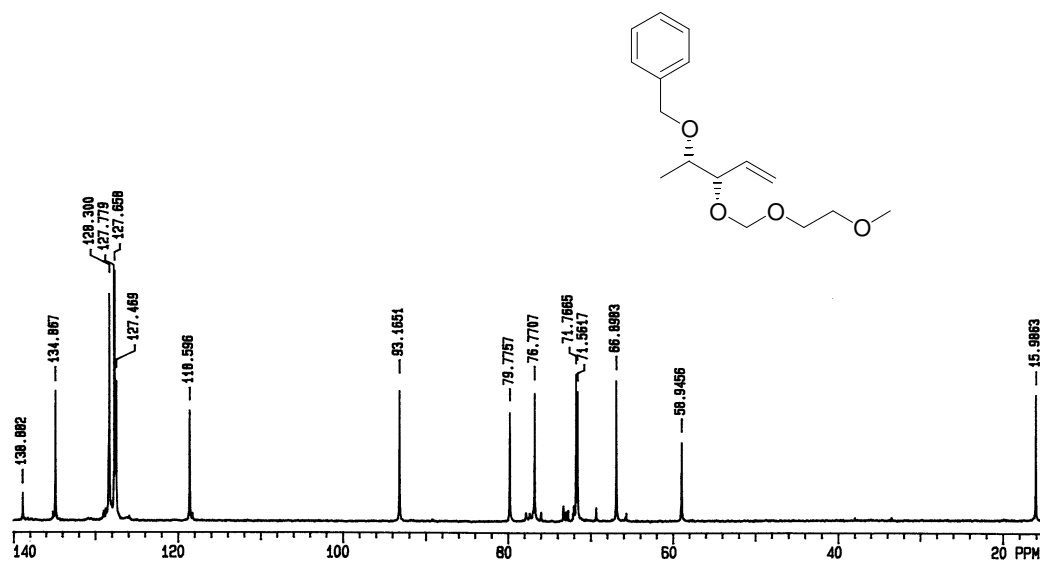


Figure 27: 75.5 MHz ¹³C NMR Spectrum of Compound **Bn-33** in CDCl₃

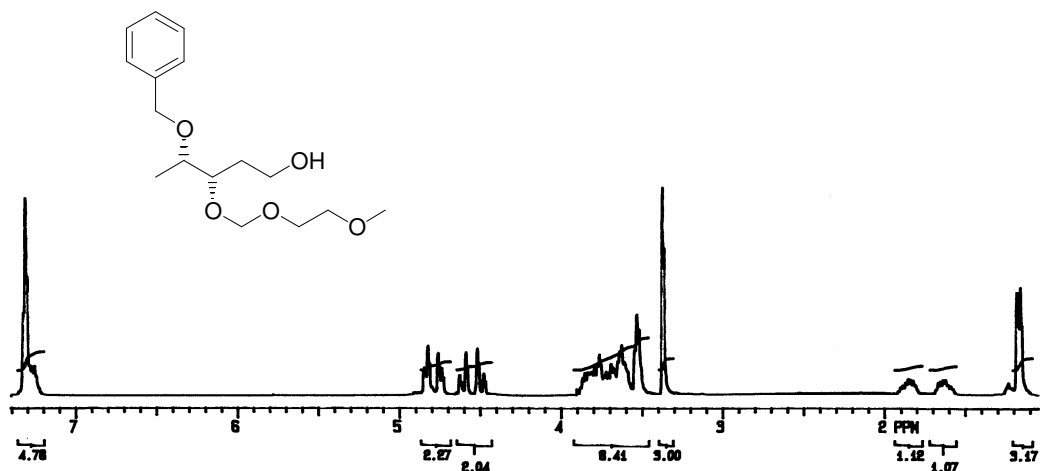


Figure 28: 300 MHz ^1H NMR Spectrum of Compound **Bn-OH-33** in CDCl_3

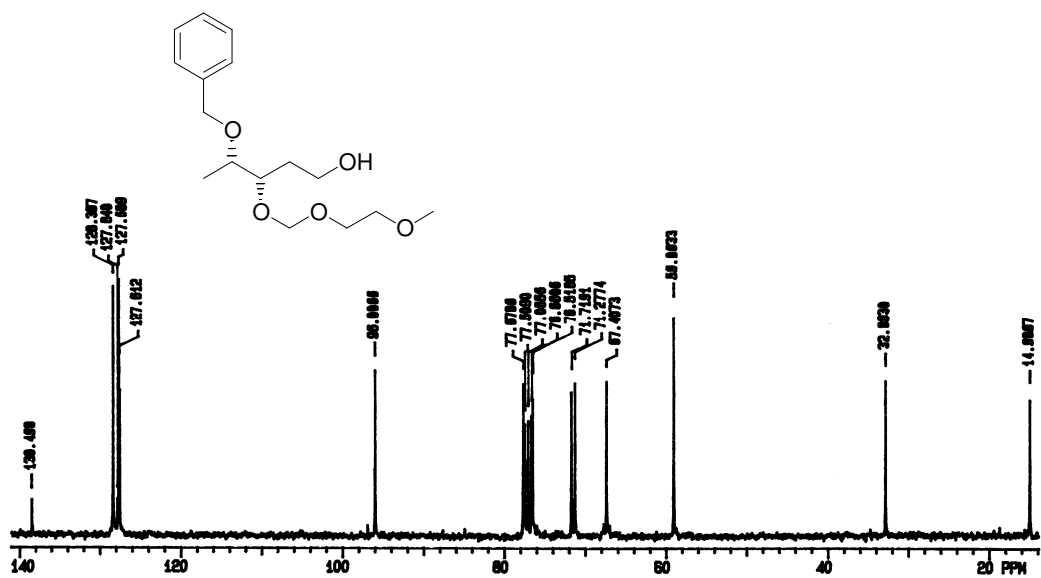


Figure 29: 75.5 MHz ^{13}C NMR Spectrum of Compound **Bn-OH-33** in CDCl_3

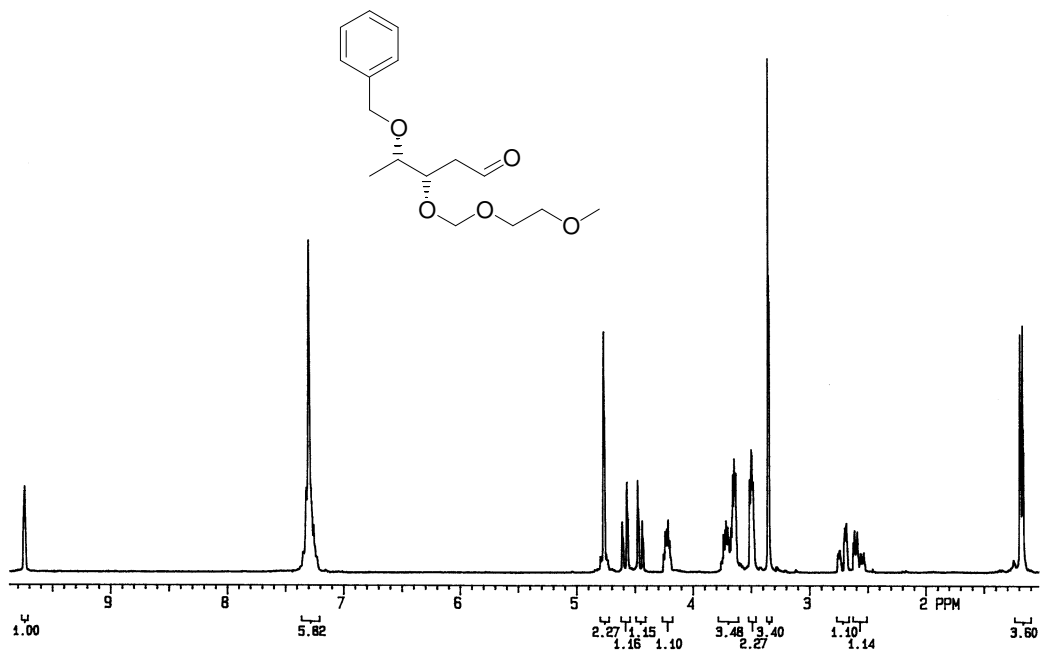


Figure 30: 300 MHz ¹H NMR Spectrum of Compound 7 in CDCl₃

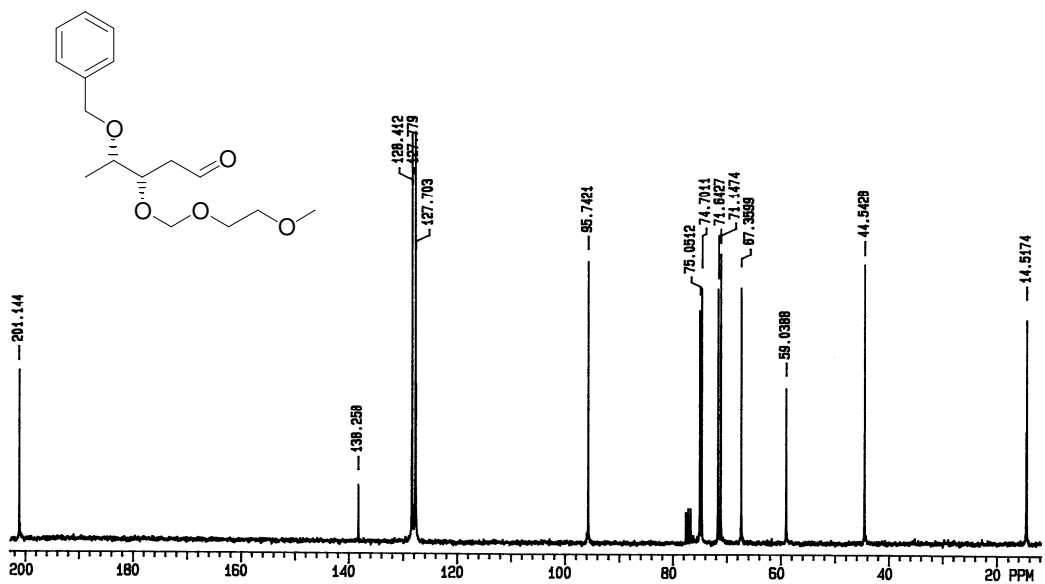


Figure 31: 75.5 MHz ¹³C NMR Spectrum of Compound 7 in CDCl₃

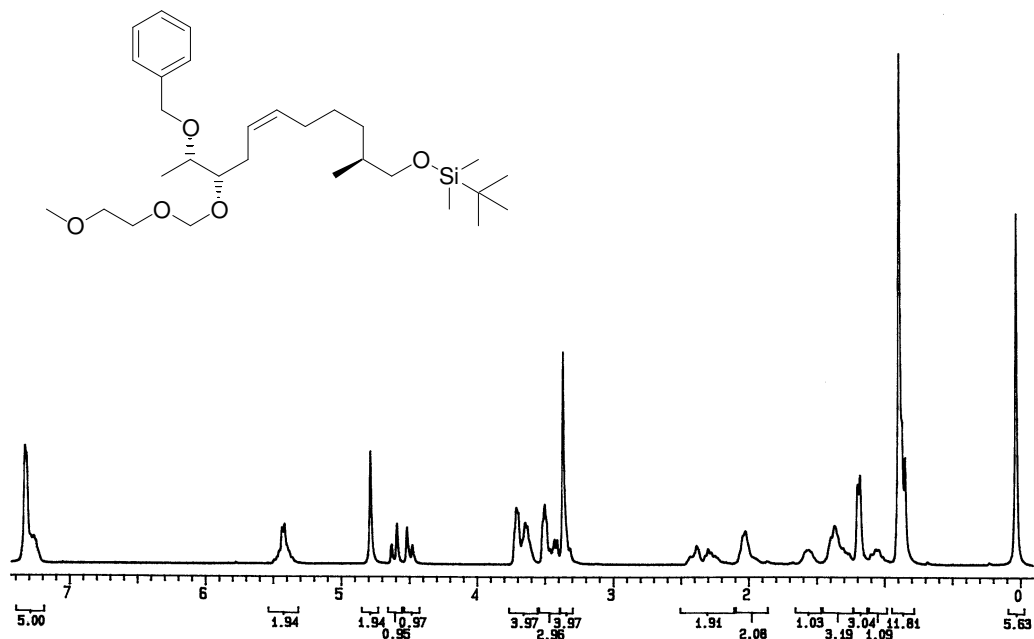


Figure 32: 300 MHz ¹H NMR Spectrum of Compound **48** in CDCl₃

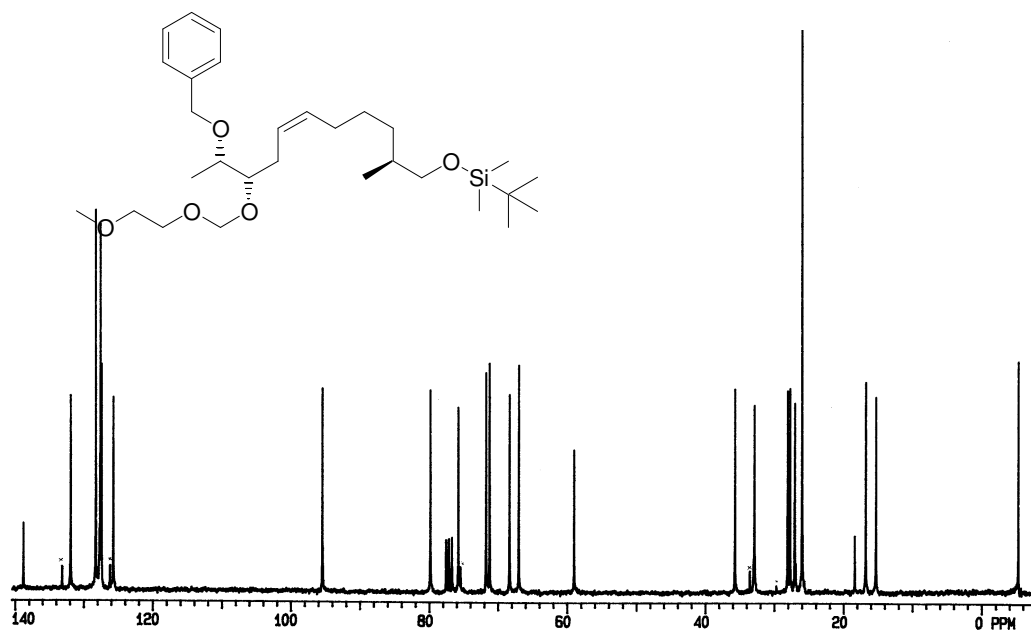


Figure 33: 75.5 MHz ¹³C NMR Spectrum of Compound **48** in CDCl₃

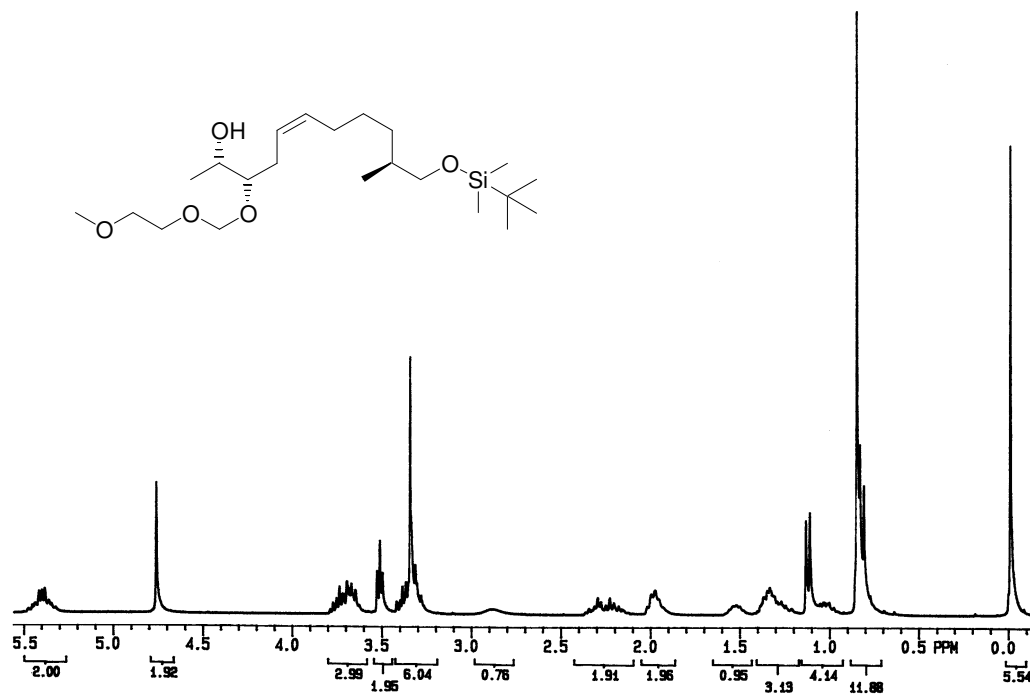


Figure 34: 300 MHz ¹H NMR Spectrum of Compound **OH-48** in CDCl₃

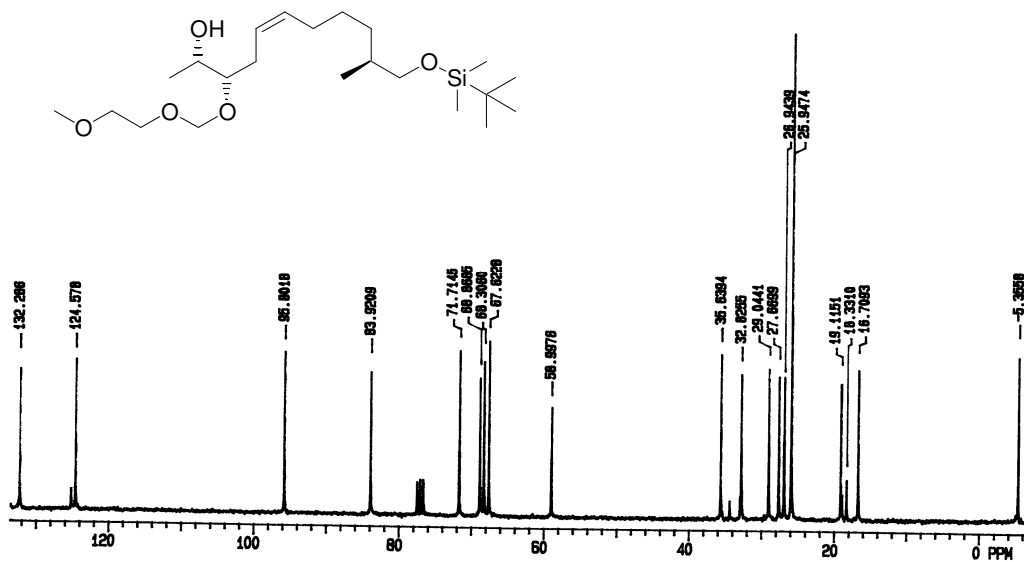


Figure 35: 75.5 MHz ¹³C NMR Spectrum of Compound **OH-48** in CDCl₃

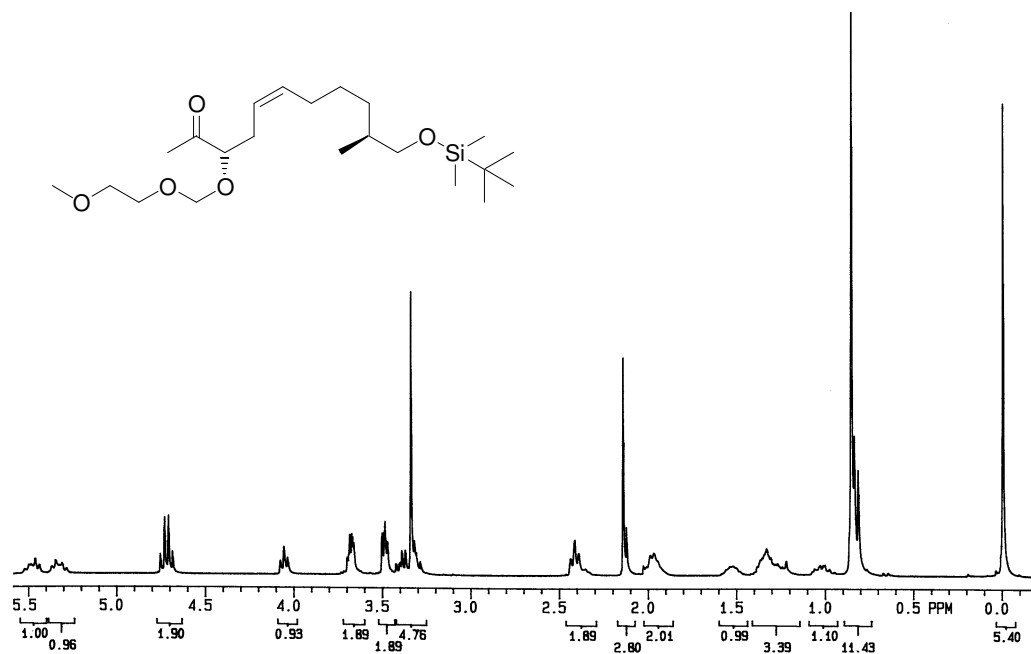


Figure 36: 300 MHz ^1H NMR Spectrum of Compound **28** in CDCl_3

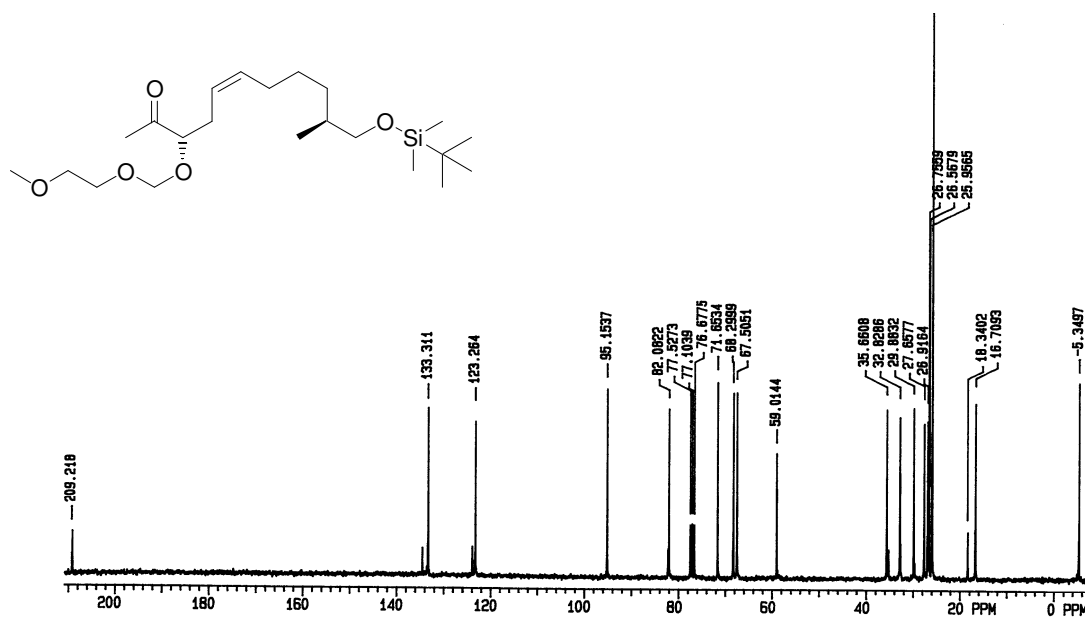


Figure 37: 75.5 MHz ^{13}C NMR Spectrum of Compound **28** in CDCl_3

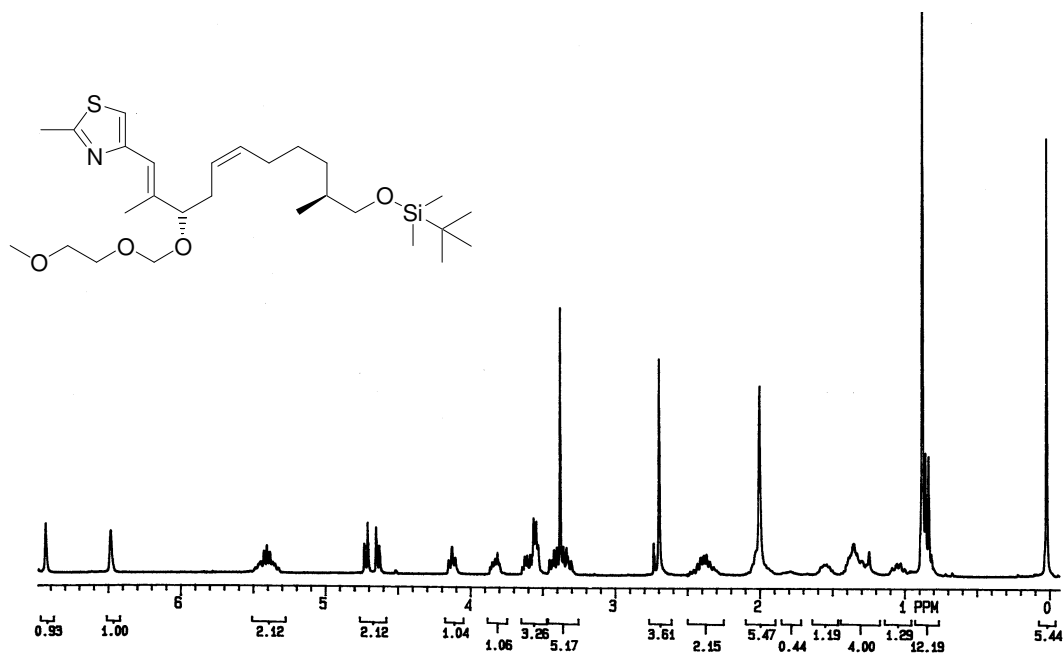


Figure 38: 300 MHz ¹H NMR Spectrum of Compound **49** in CDCl₃

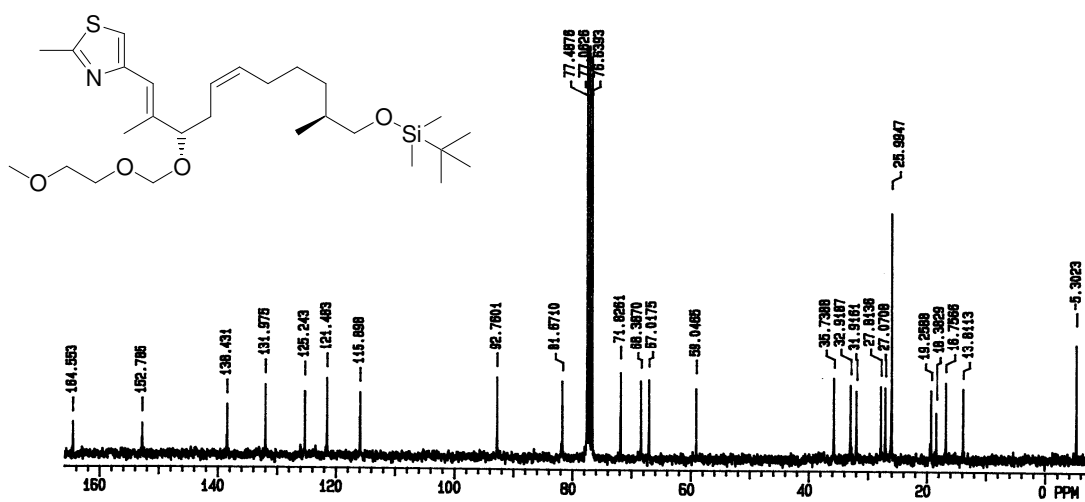


Figure 39: 75.5 MHz ¹³C NMR Spectrum of Compound **49** in CDCl₃

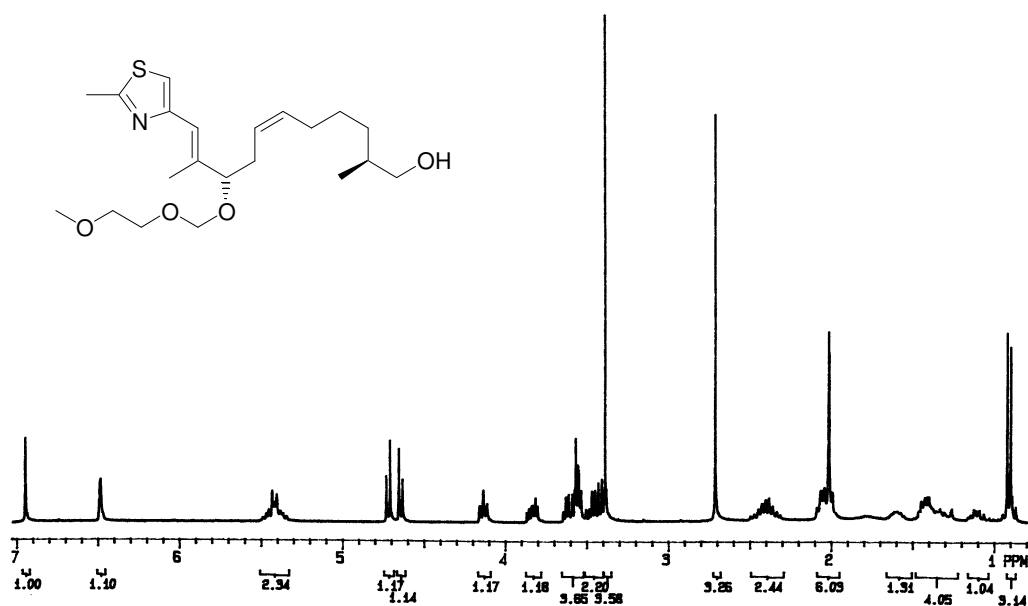


Figure 40: 300 MHz ¹H NMR Spectrum of Compound **OH-49** in CDCl₃

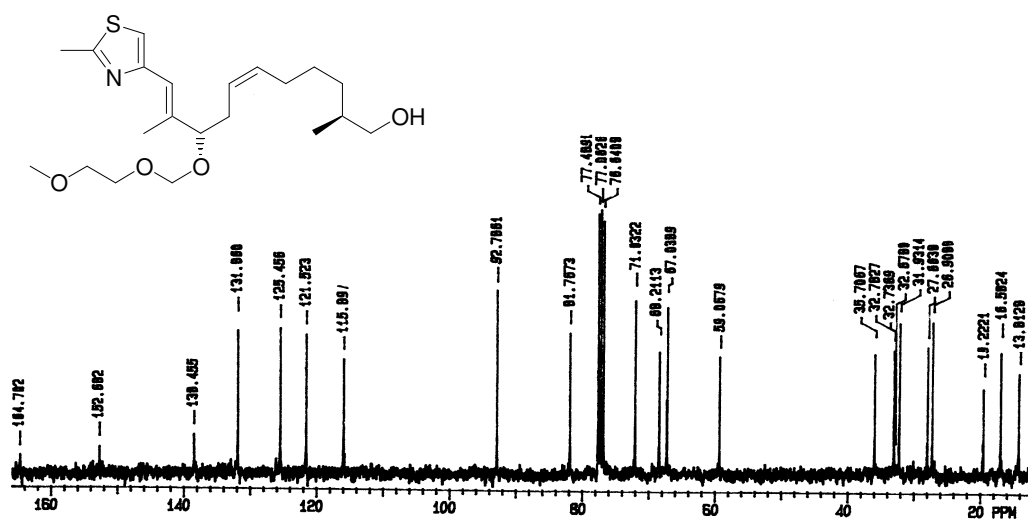


Figure 41: 75.5 MHz ¹³C NMR Spectrum of Compound **OH-49** in CDCl₃

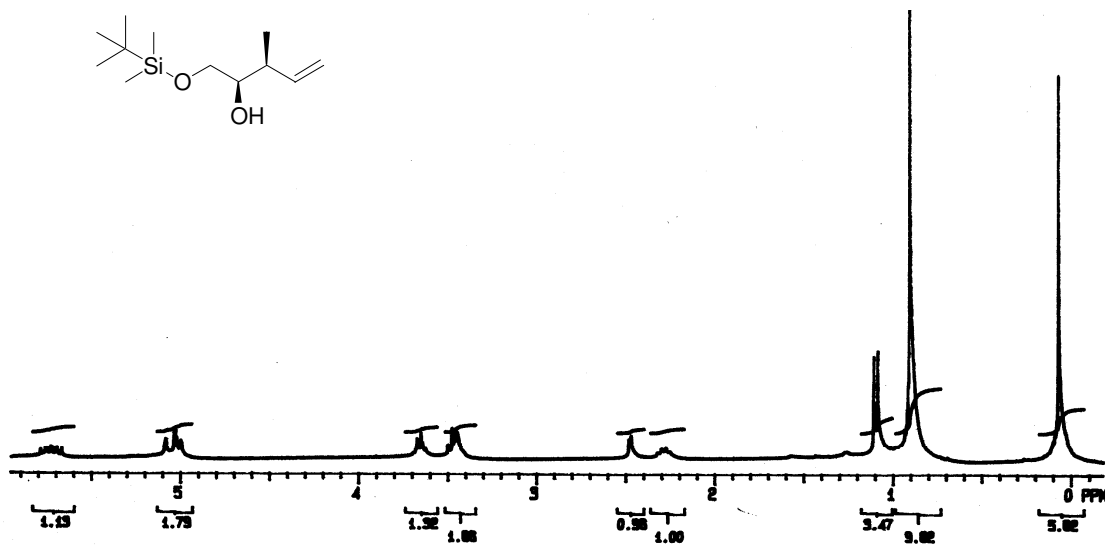


Figure 42: 300 MHz ^1H NMR Spectrum of Compound **51** in CDCl_3

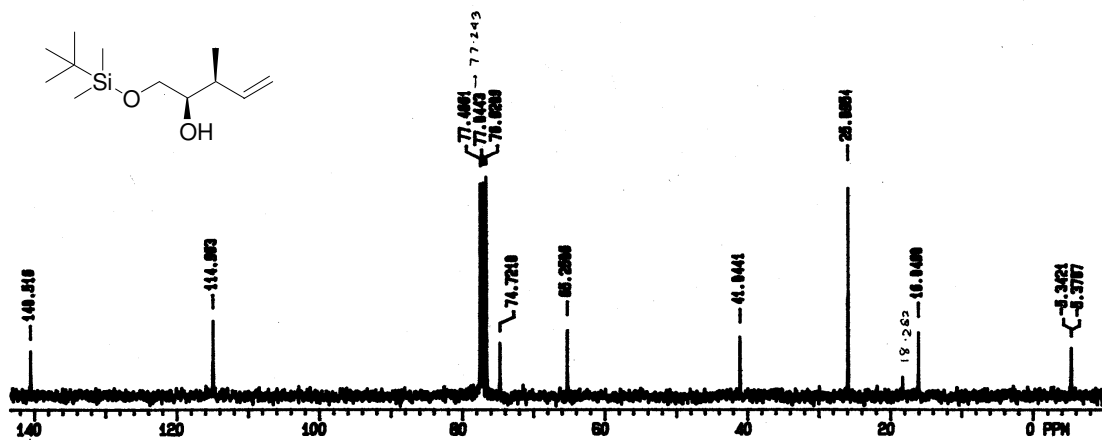


Figure 43: 75.5 MHz ^{13}C NMR Spectrum of Compound **51** in CDCl_3

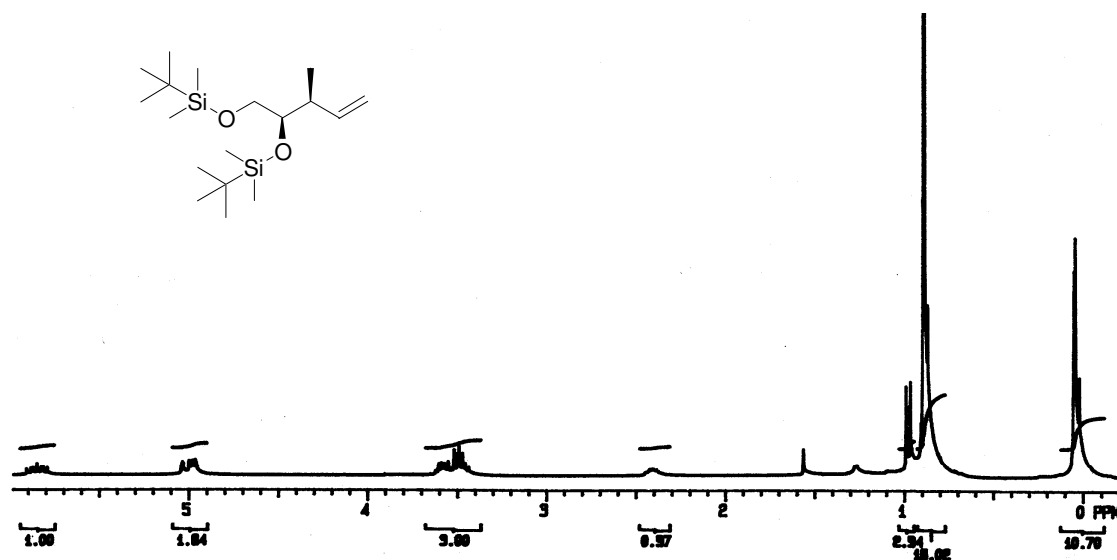


Figure 44: 300 MHz ^1H NMR Spectrum of Compound TBS-51 in CDCl_3

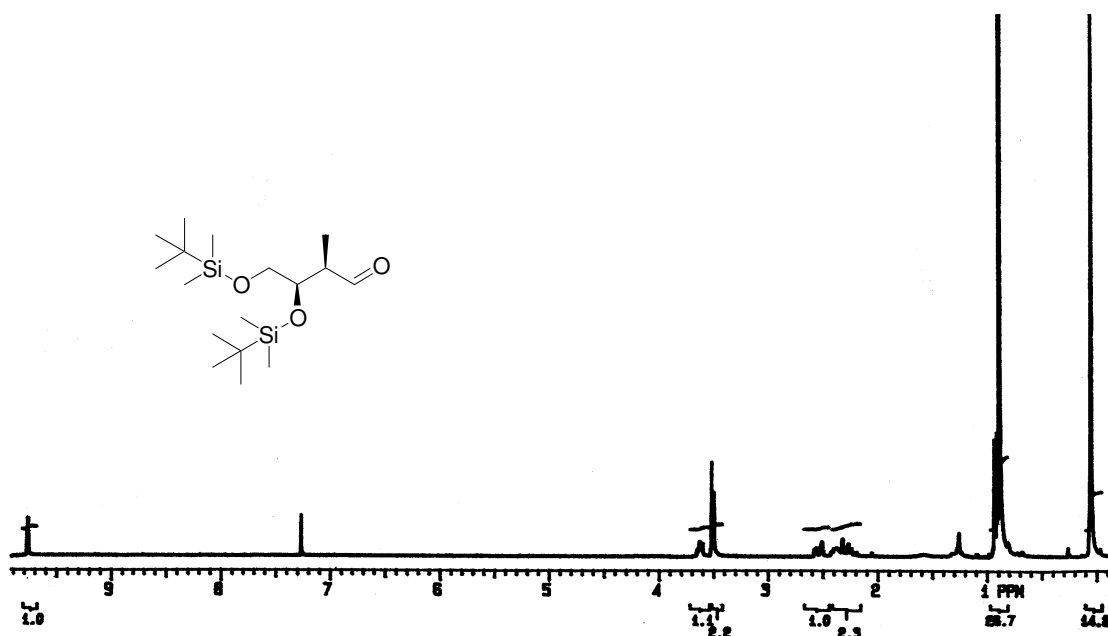


Figure 45: 300 MHz ^1H NMR Spectrum of Compound 52 in CDCl_3

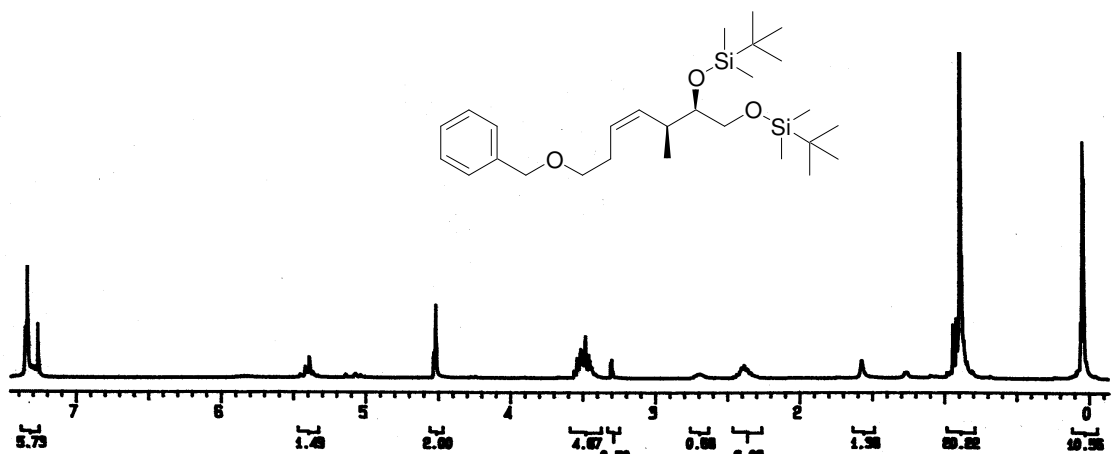


Figure 46: 300 MHz ¹H NMR Spectrum of Compound **53** in CDCl₃

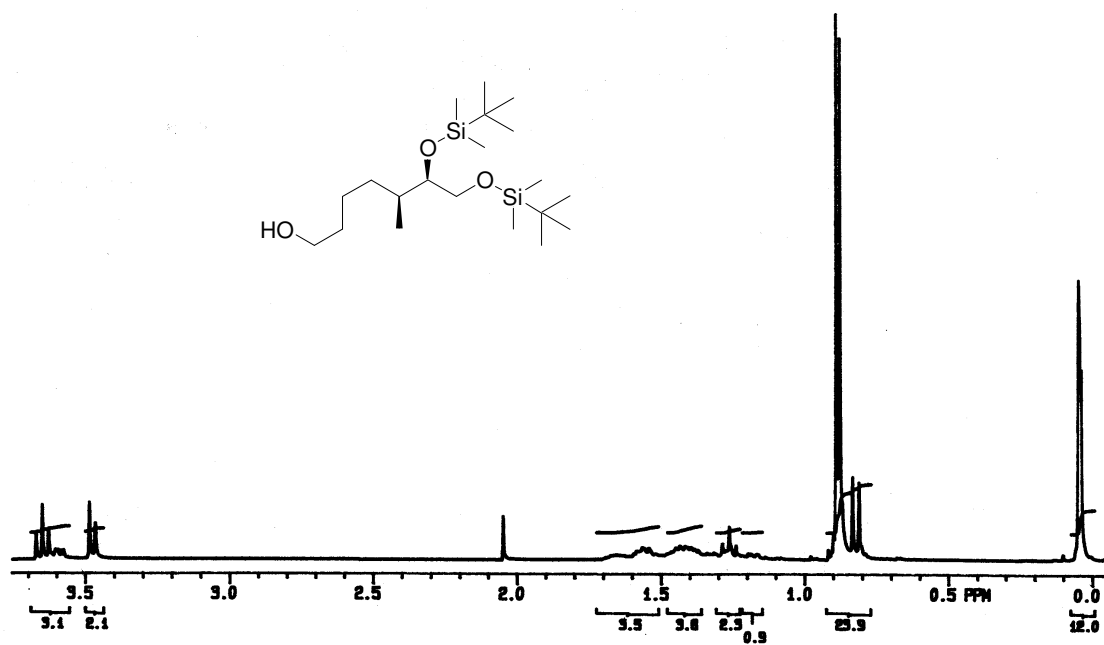


Figure 47: 300 MHz ¹H NMR Spectrum of Compound **OH-53** in CDCl₃

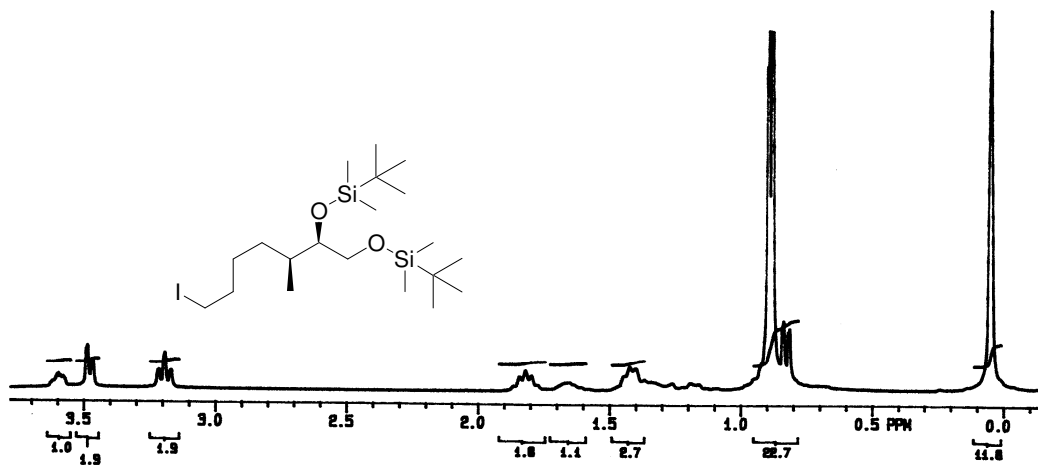


Figure 48: 300 MHz ¹H NMR Spectrum of Compound 6 in CDCl₃

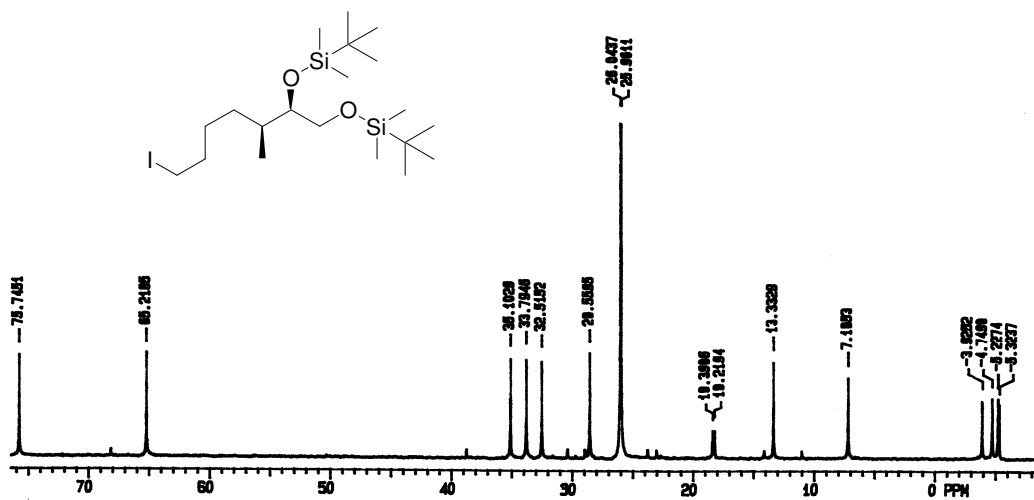


Figure 49: 75.5 MHz ¹³C NMR Spectrum of Compound 6 in CDCl₃

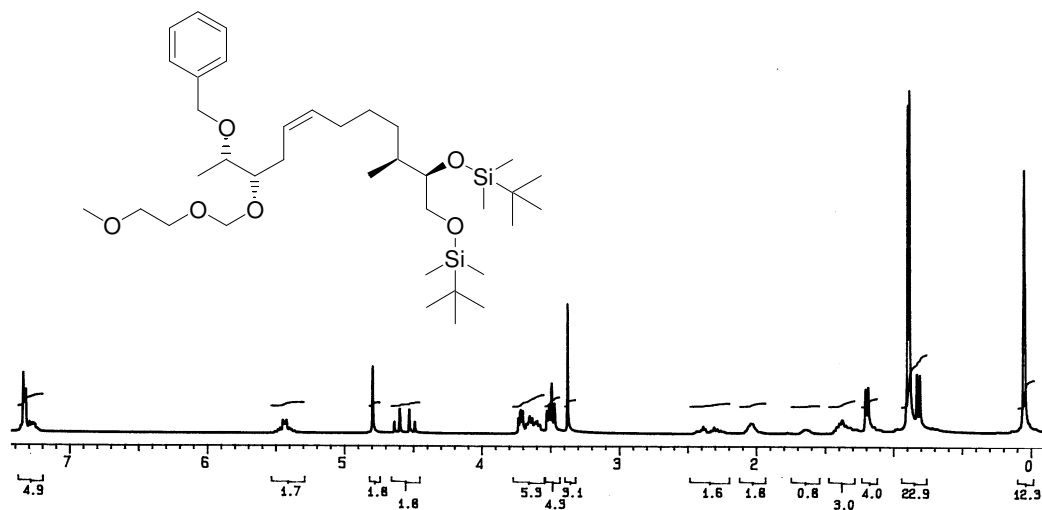


Figure 50: 300 MHz ^1H NMR Spectrum of Compound **54** in CDCl_3

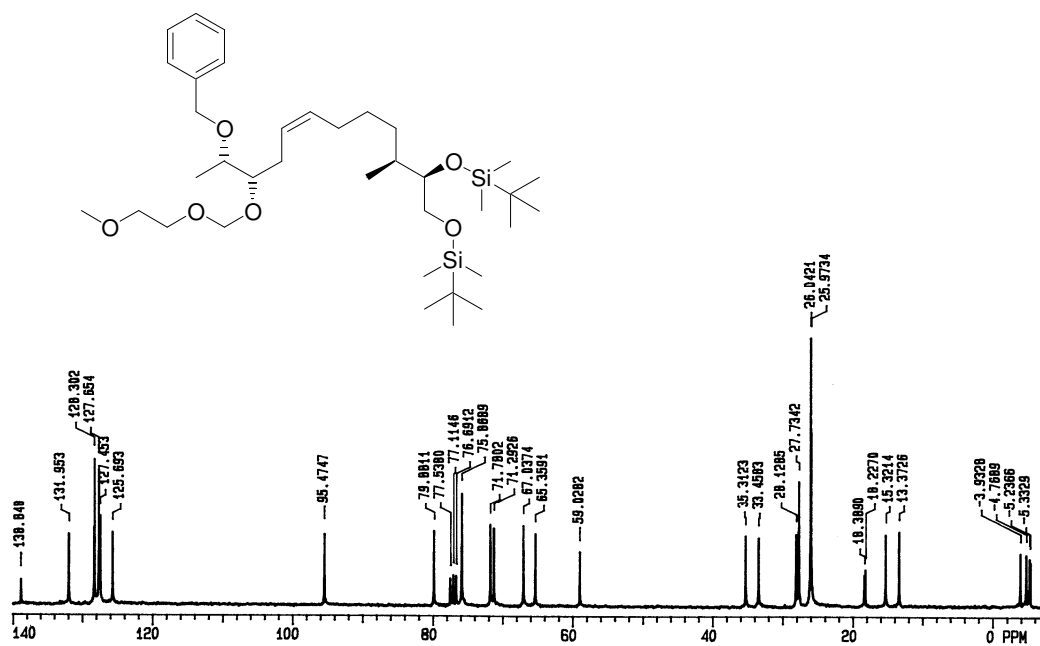


Figure 51: 75.5 MHz ^{13}C NMR Spectrum of Compound **54** in CDCl_3

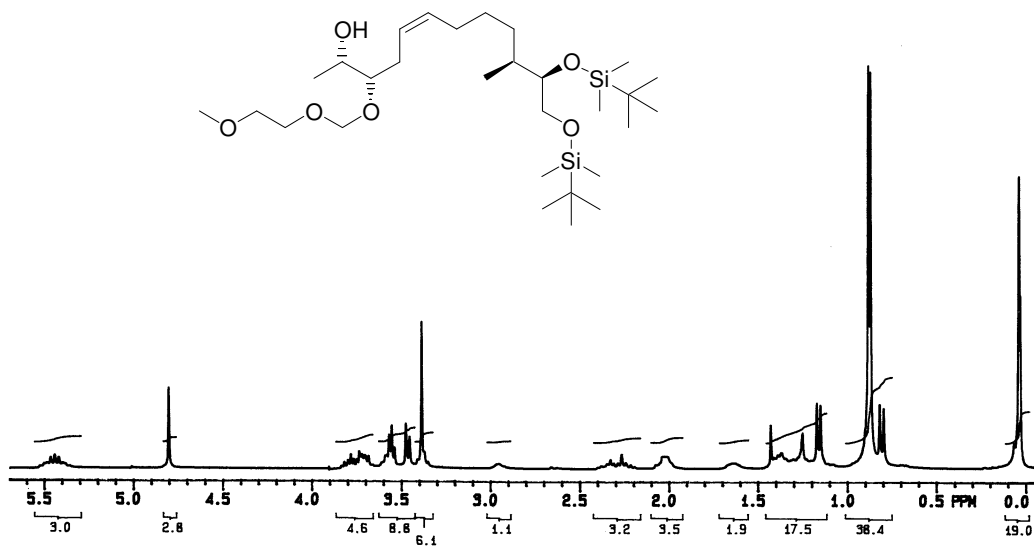


Figure 52: 300 MHz ^1H NMR Spectrum of Compound **OH-54** in CDCl_3

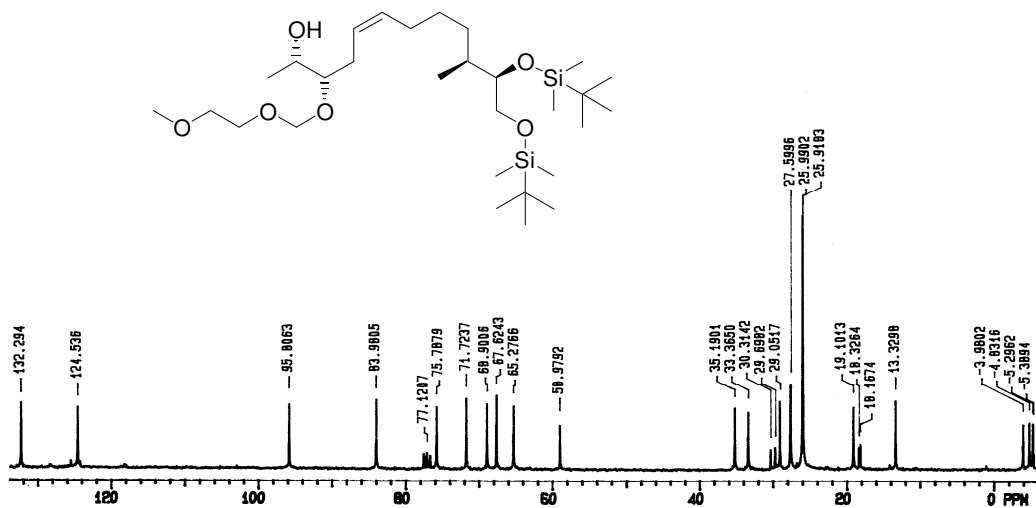


Figure 53: 75.5 MHz ^{13}C NMR Spectrum of Compound **OH-54** in CDCl_3

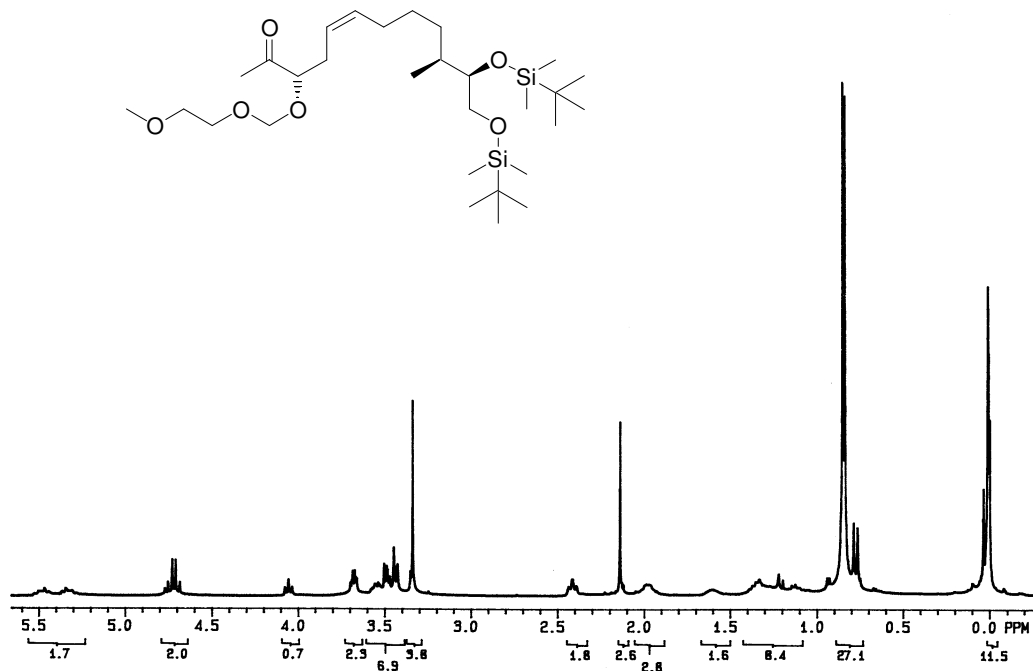


Figure 54: 300 MHz ¹H NMR Spectrum of Compound 4 in CDCl₃

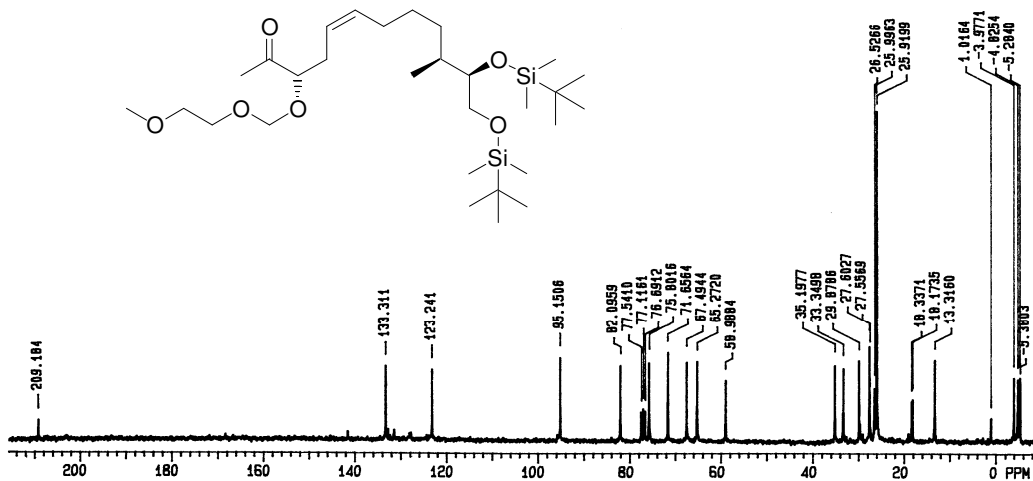


Figure 55: 75.5 MHz ¹³C NMR Spectrum of Compound 4 in CDCl₃

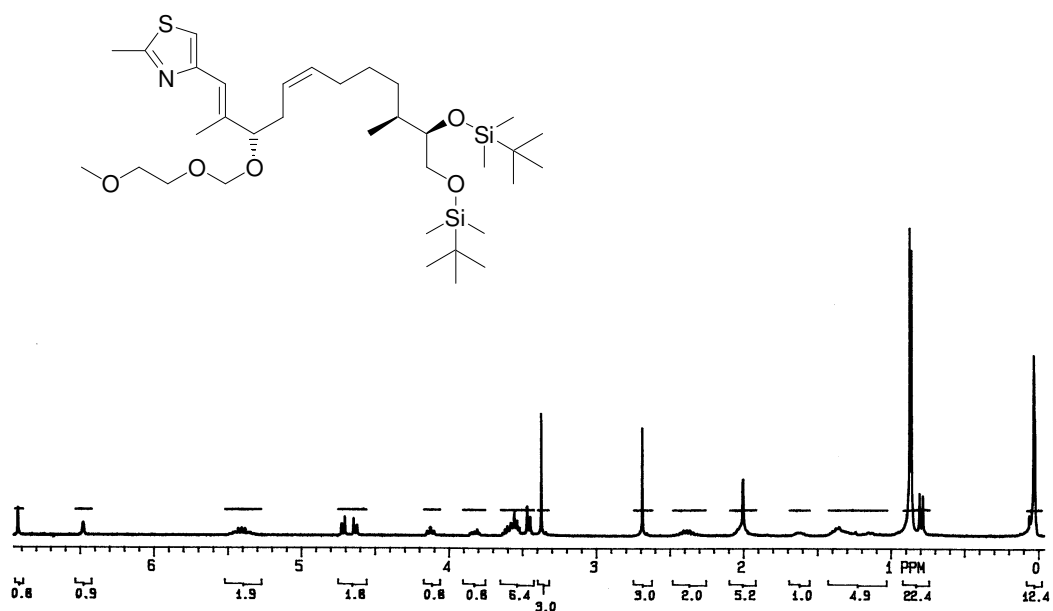


Figure 56: 300 MHz ¹H NMR Spectrum of Compound **55** in CDCl₃

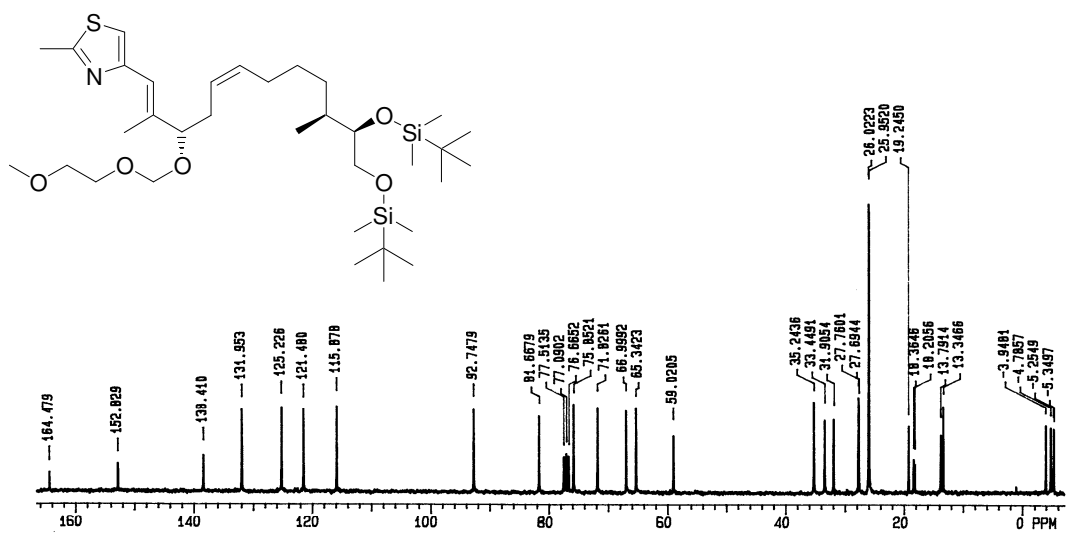


Figure 57: 75.5 MHz ¹³C NMR Spectrum of Compound **55** in CDCl₃

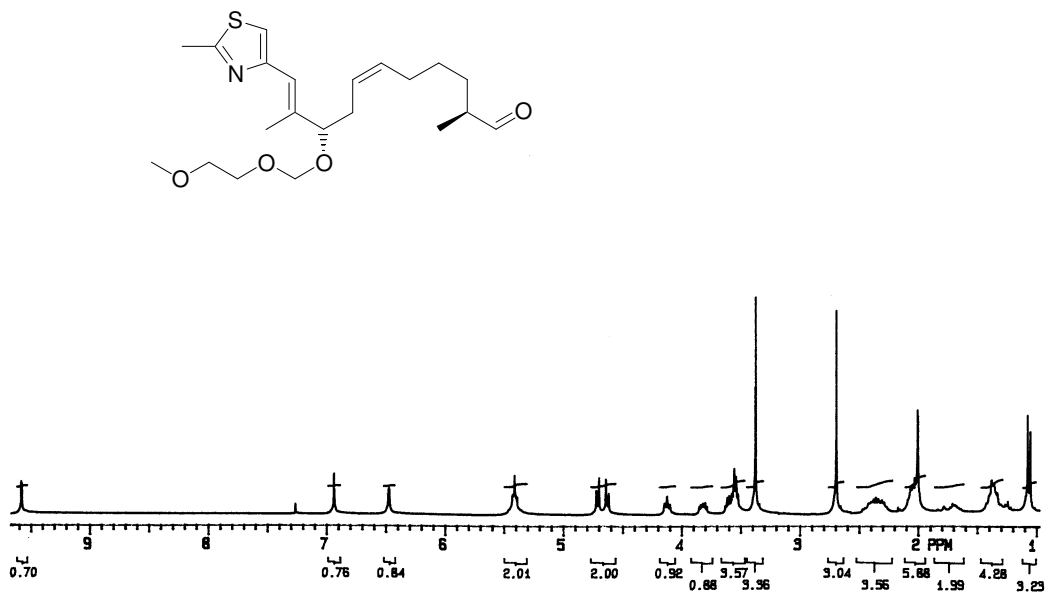


Figure 58: 300 MHz ¹H NMR Spectrum of Compound 3 in CDCl₃

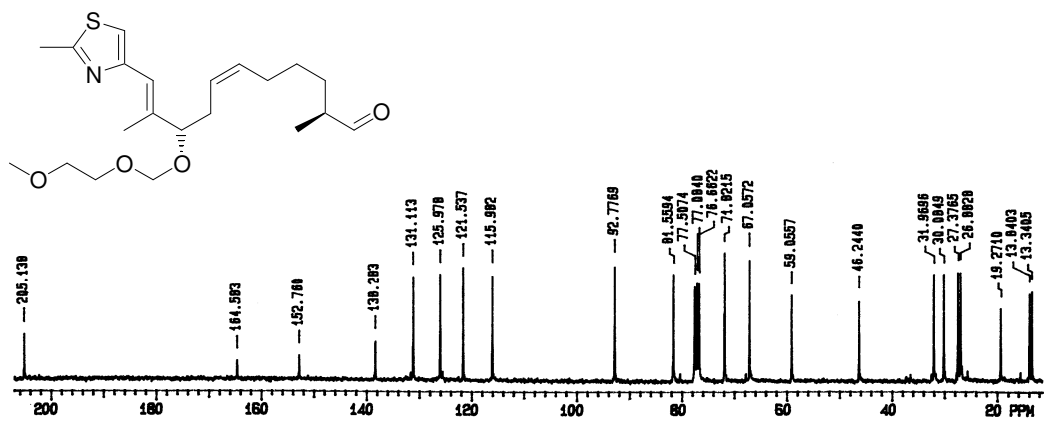


Figure 59: 75.5 MHz ¹³C NMR Spectrum of Compound 3 in CDCl₃