Enantio- and Diastereoselective Synthesis of (*E*)-1,5-*syn*-Diols: Application to the C(23)-C(40) Fragment of Tetrafibricin

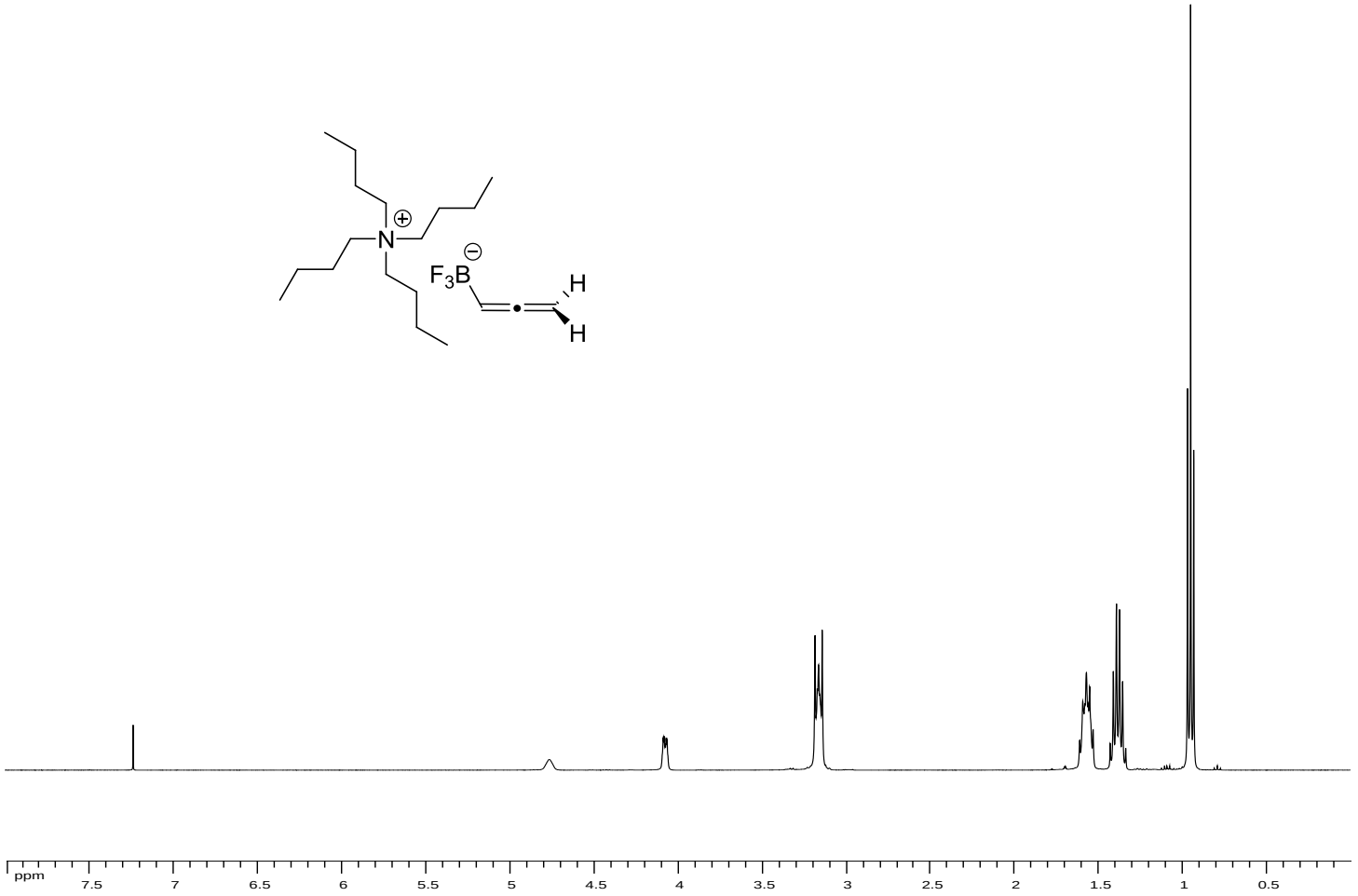
Jeremy Kister, Philippe Nuhant, Ricardo Lira, Achim Sorg and William R. Roush

Department of Chemistry, Scripps Florida, Jupiter, Florida 33458

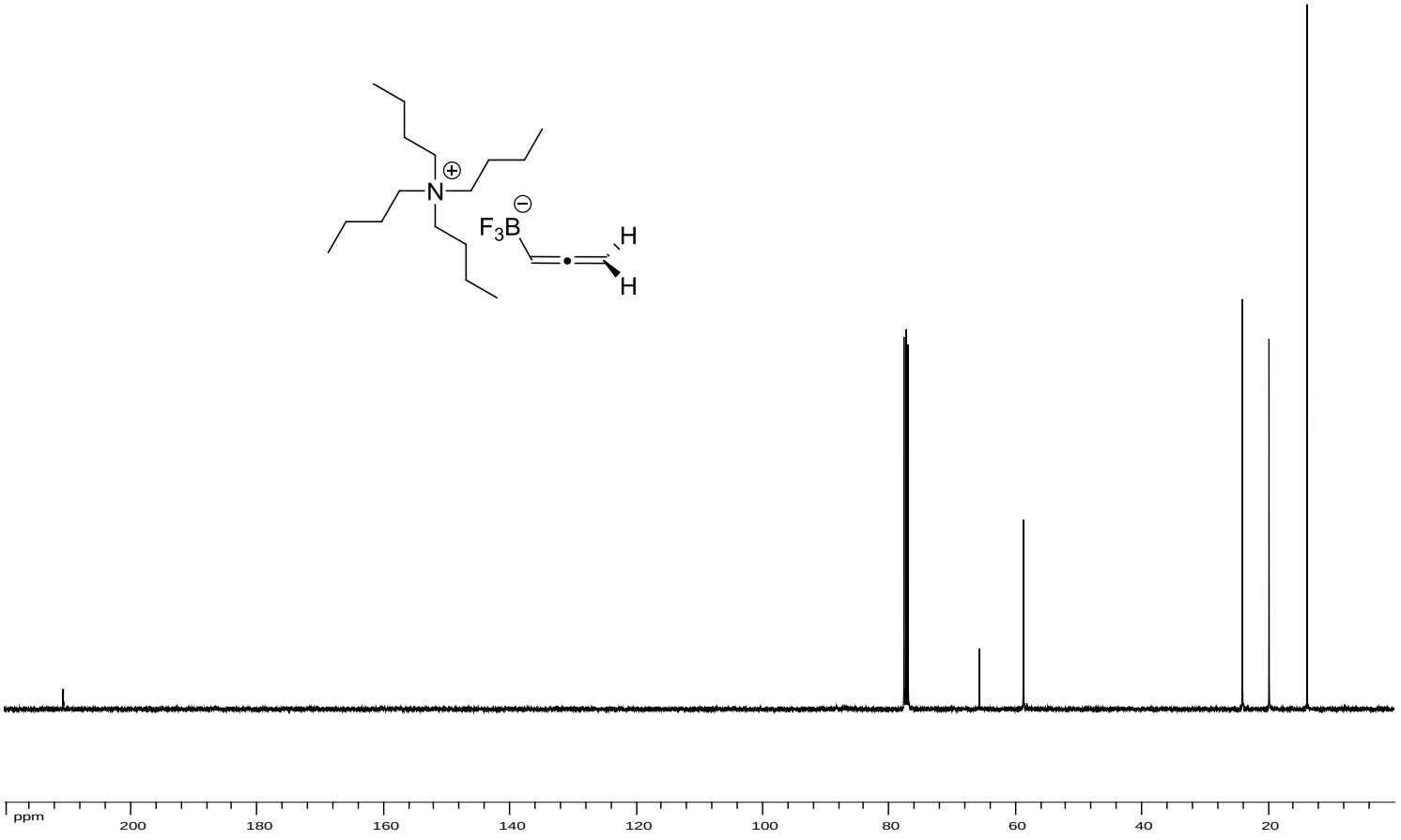
E-mail: roush@scripps.edu

SUPPORTING INFORMATION - ^{1}H and ^{13}C Spectra

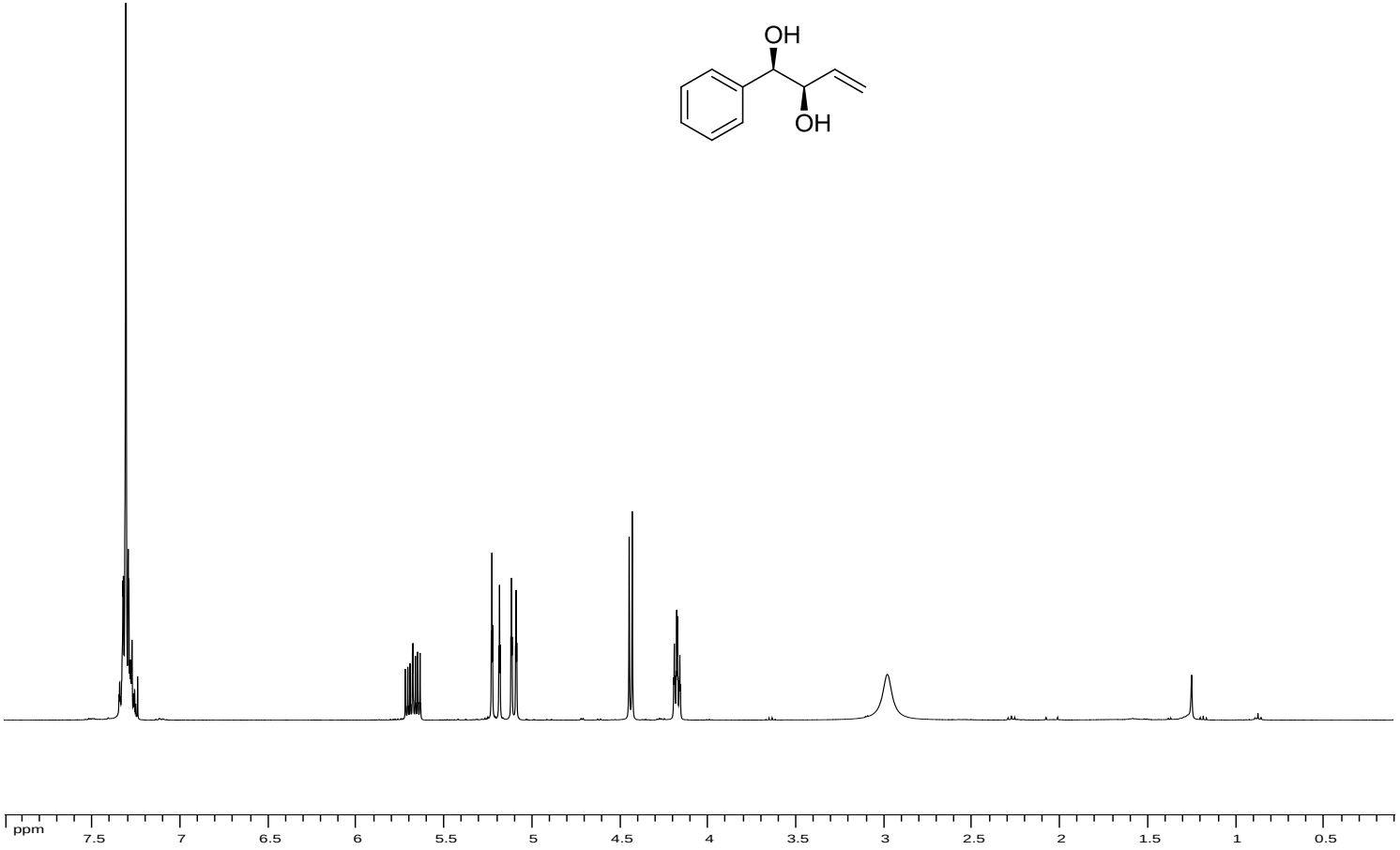
^{1}H NMR (400 MHz, $CDCl_3$) of compound **8**



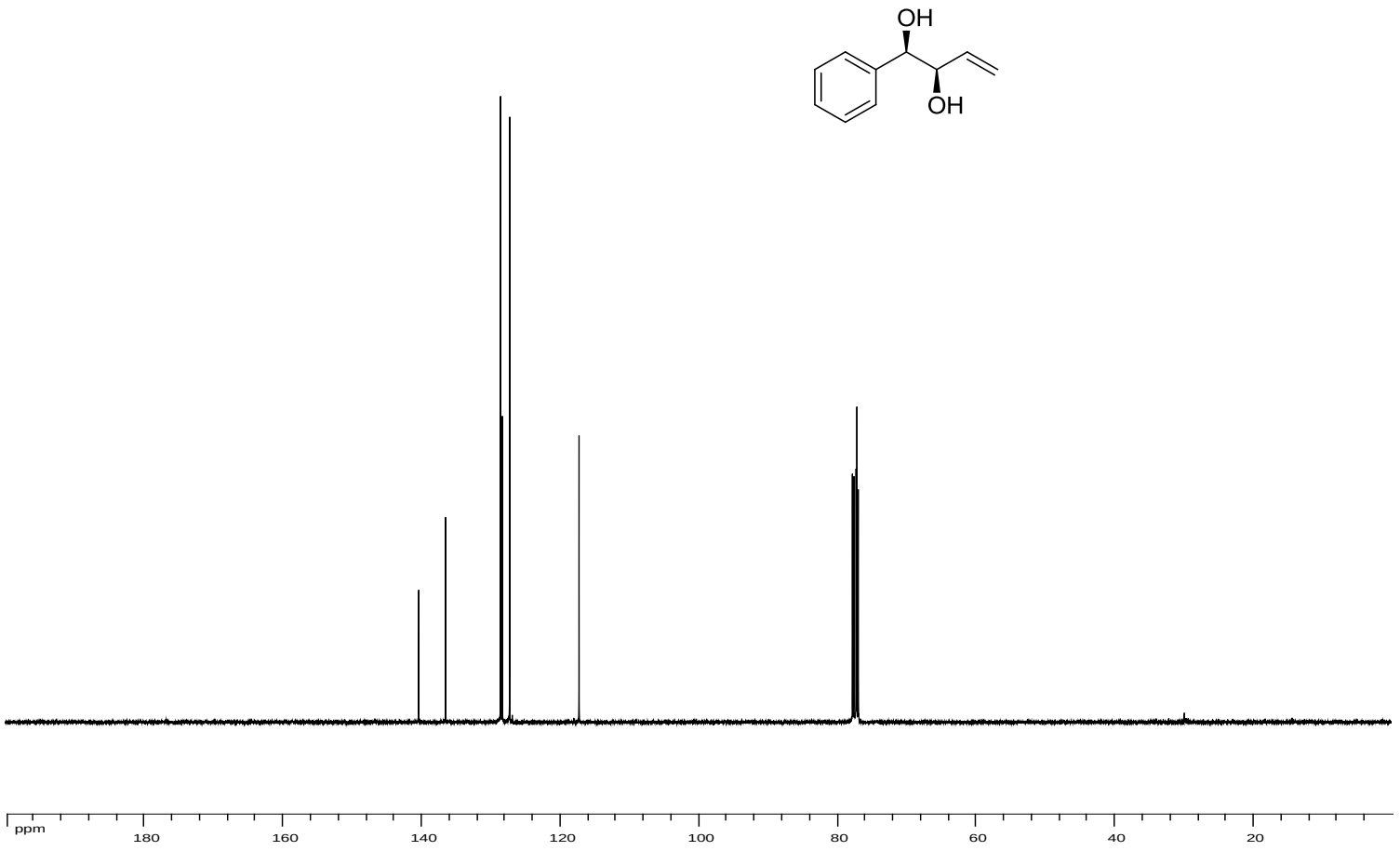
^{13}C NMR (100 MHz, $CDCl_3$) of compound **8**



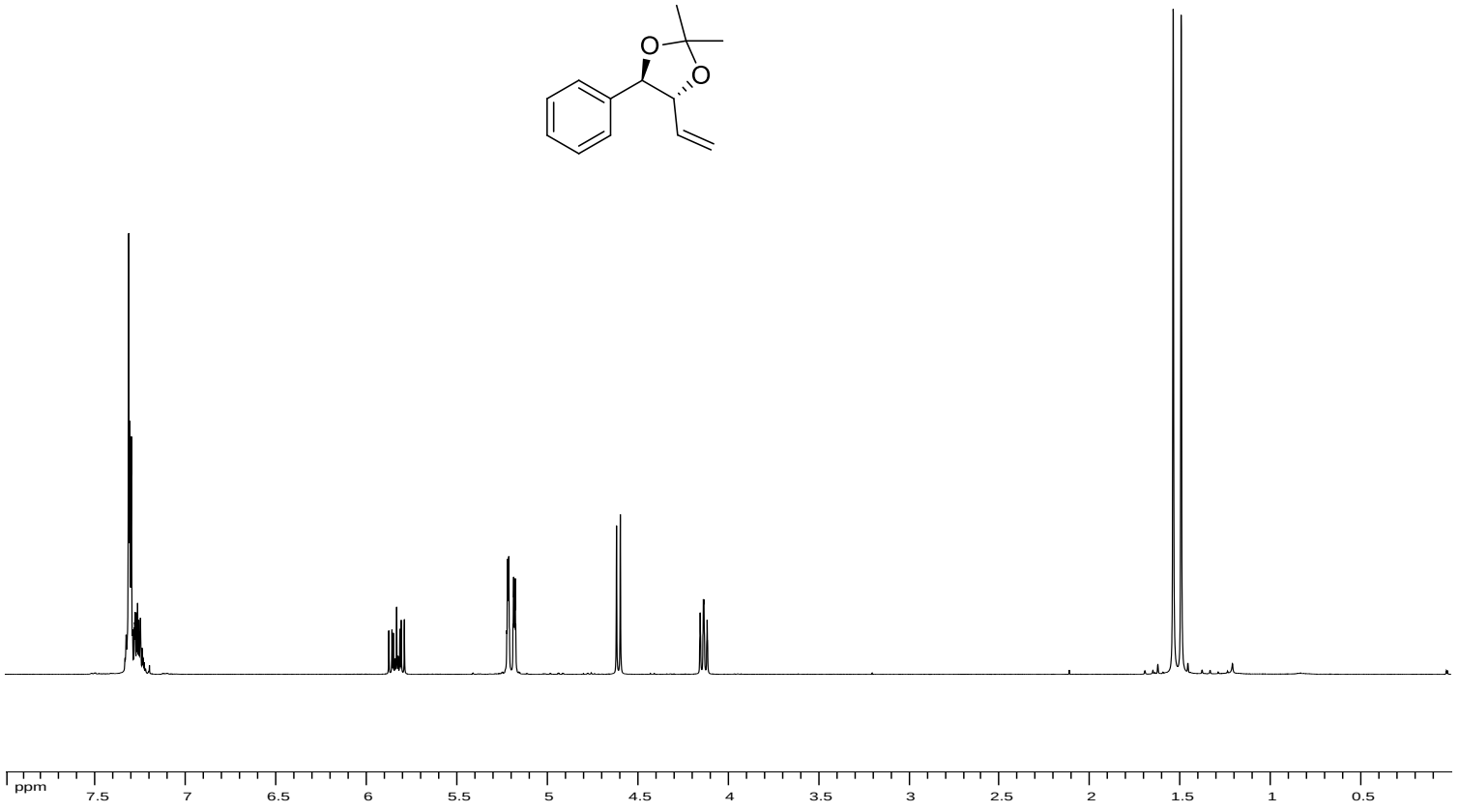
^{1}H NMR (400 MHz, $CDCl_3$) of compound **12**



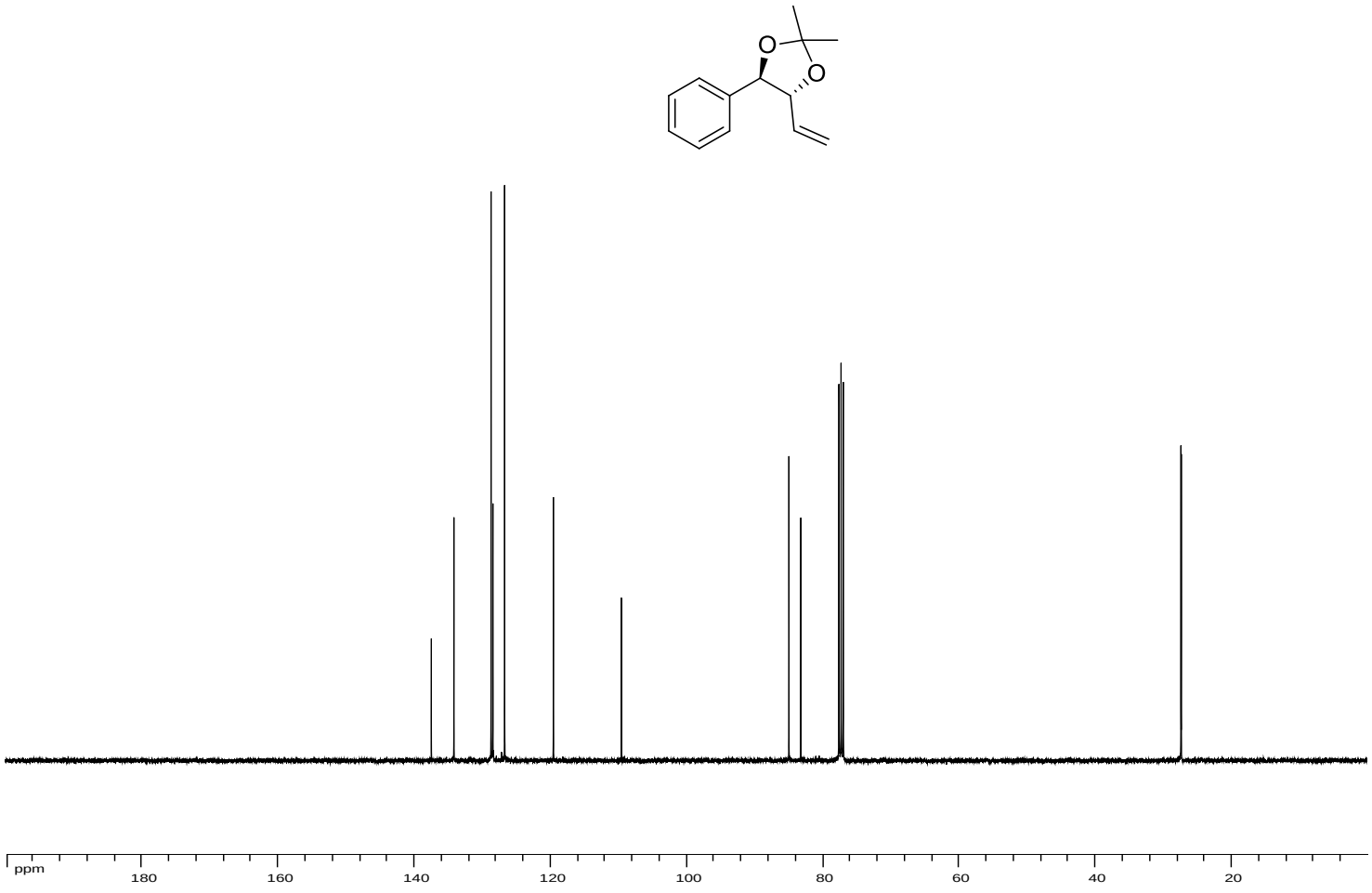
^{13}C NMR (100 MHz, $CDCl_3$) of compound **12**



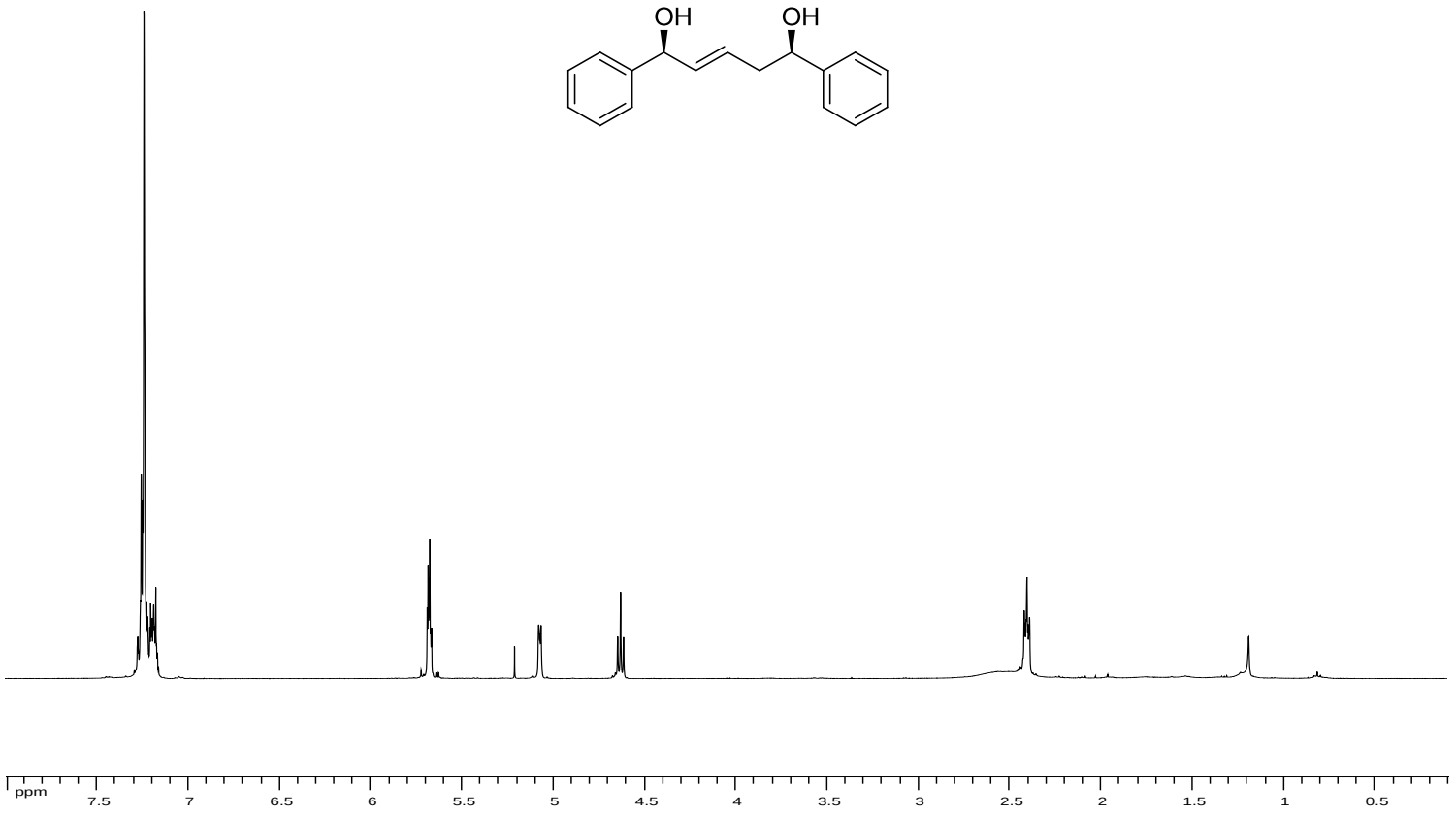
^{1}H NMR (400 MHz, $CDCl_3$) of compound **SI-4**



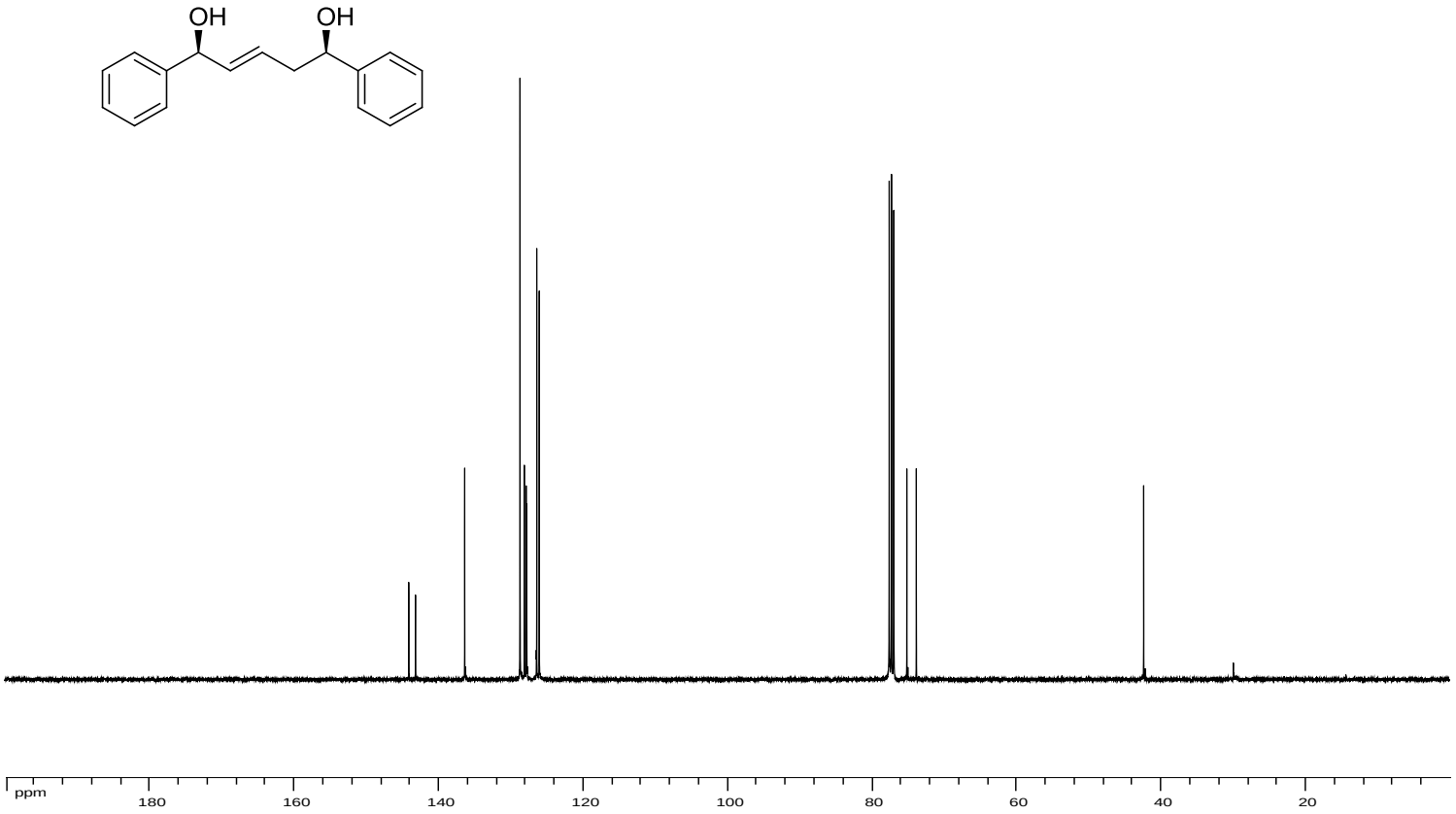
^{13}C NMR (100 MHz, $CDCl_3$) of compound **SI-4**



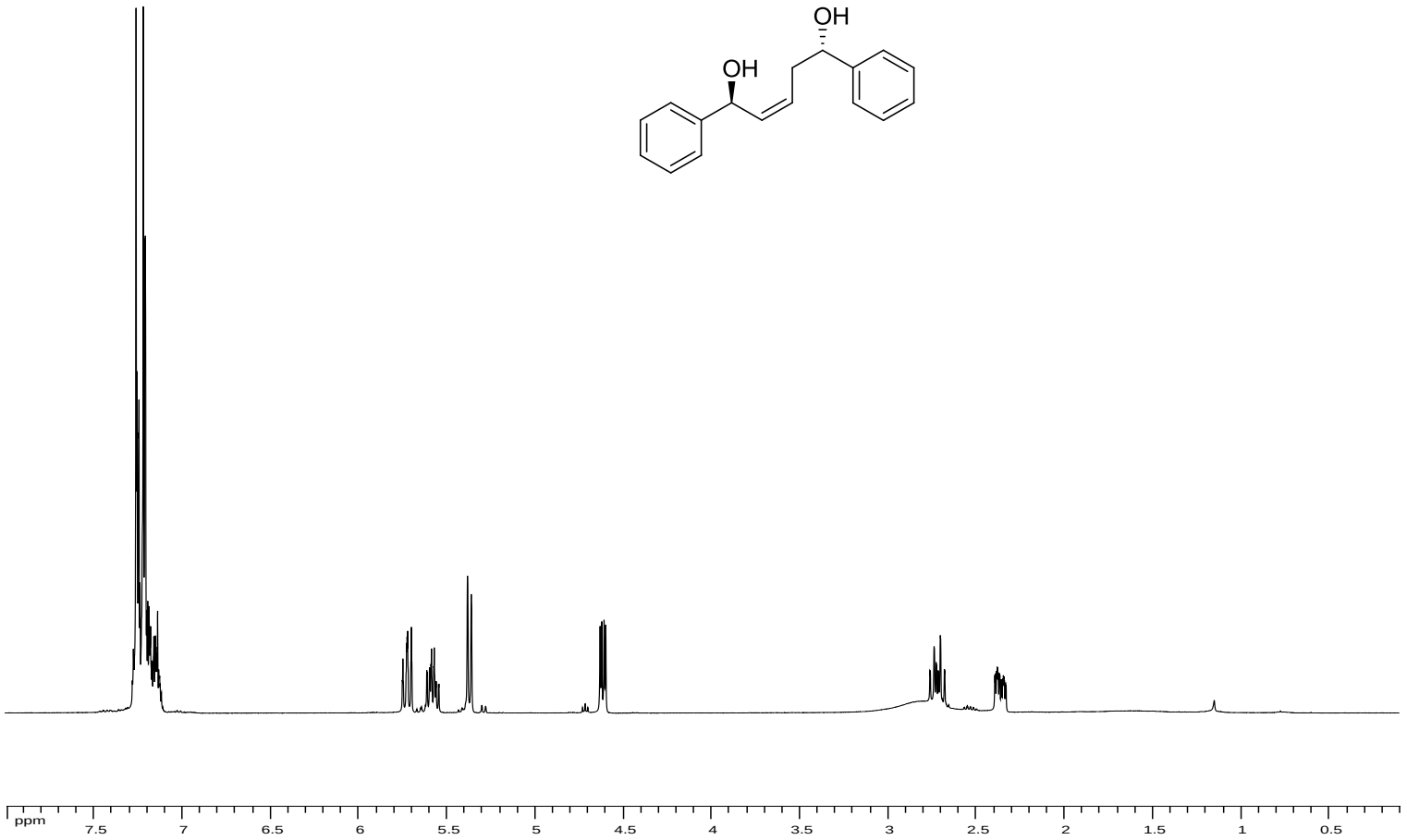
^{1}H NMR (400 MHz, $CDCl_3$) of compound **13**



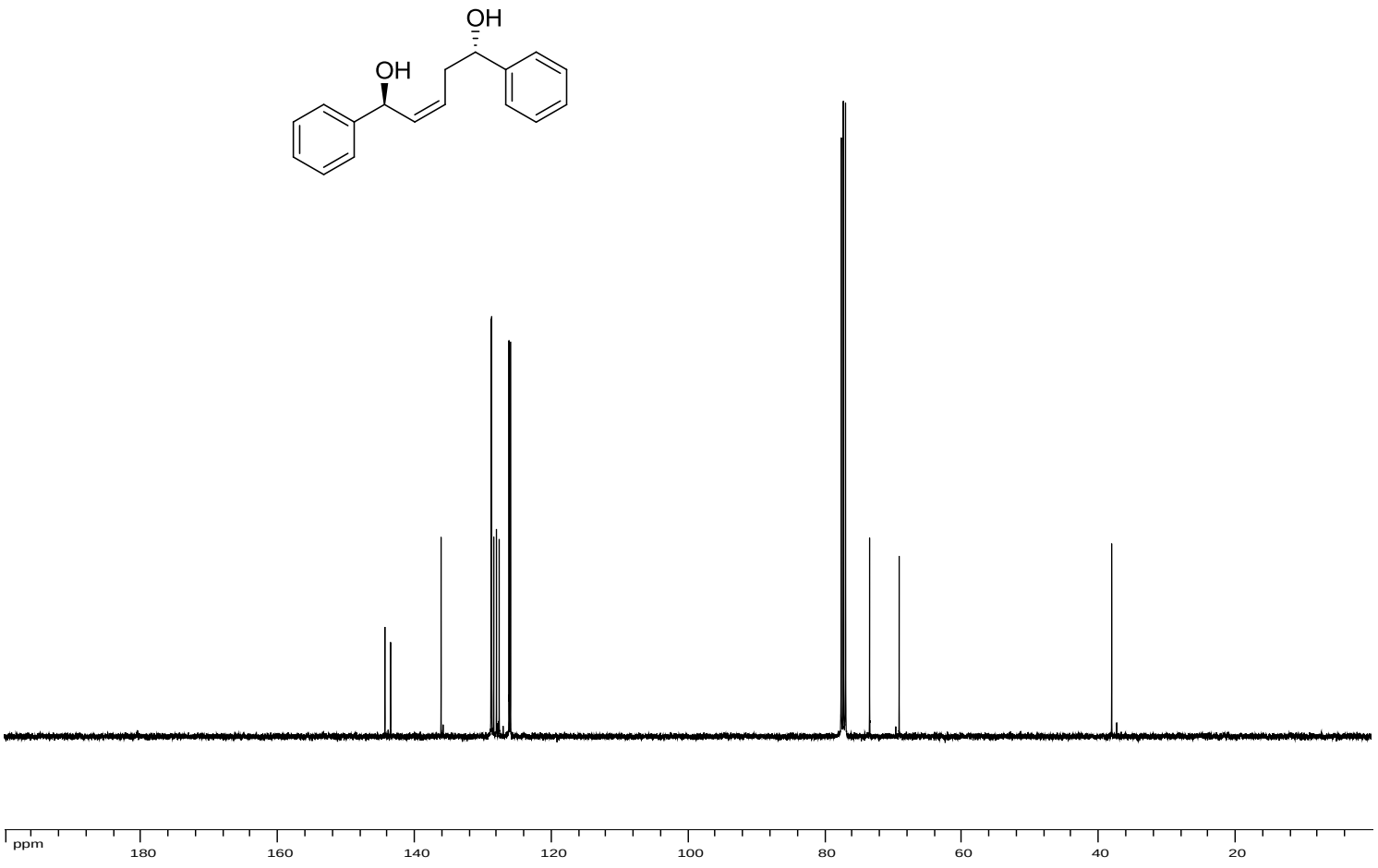
^{13}C NMR (100 MHz, $CDCl_3$) of compound **13**



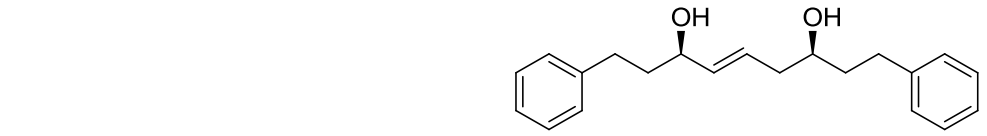
^{1}H NMR (400 MHz, $CDCl_3$) of compound **SI-7**

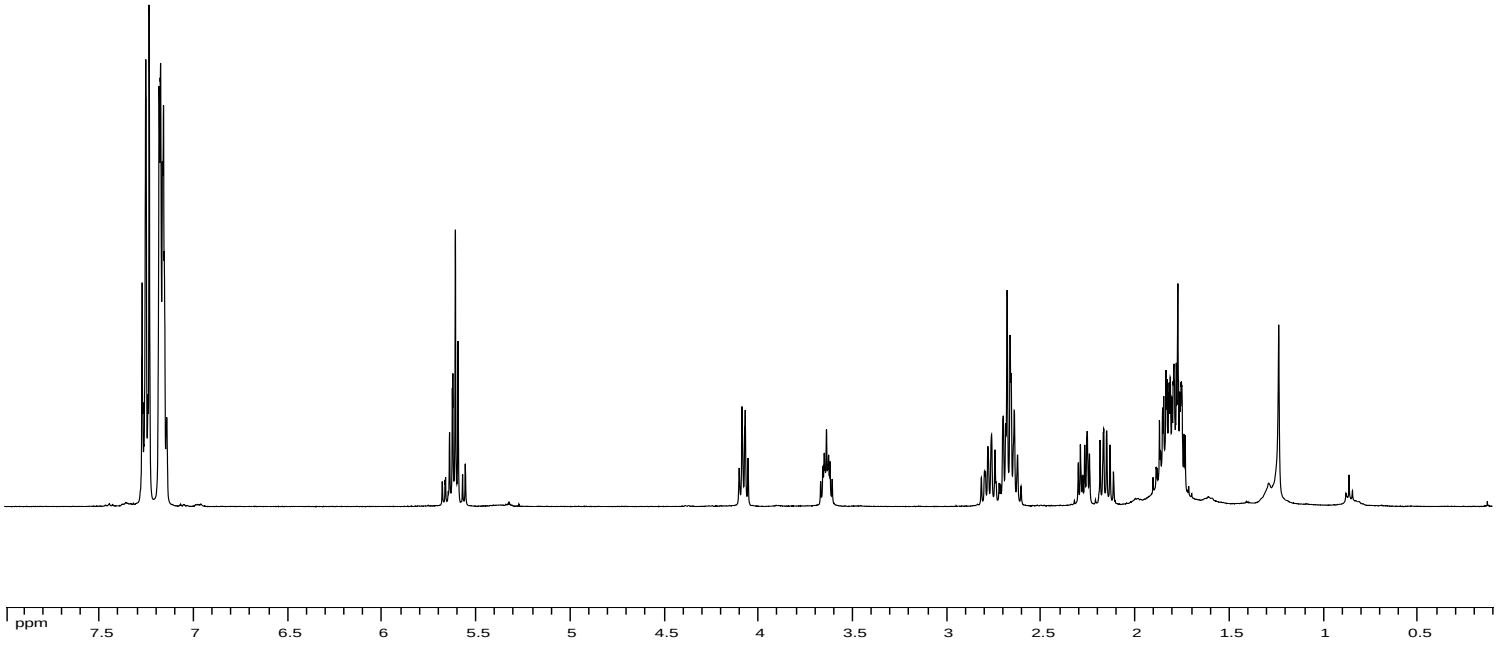


^{13}C NMR (100 MHz, $CDCl_3$) of compound **SI-7**

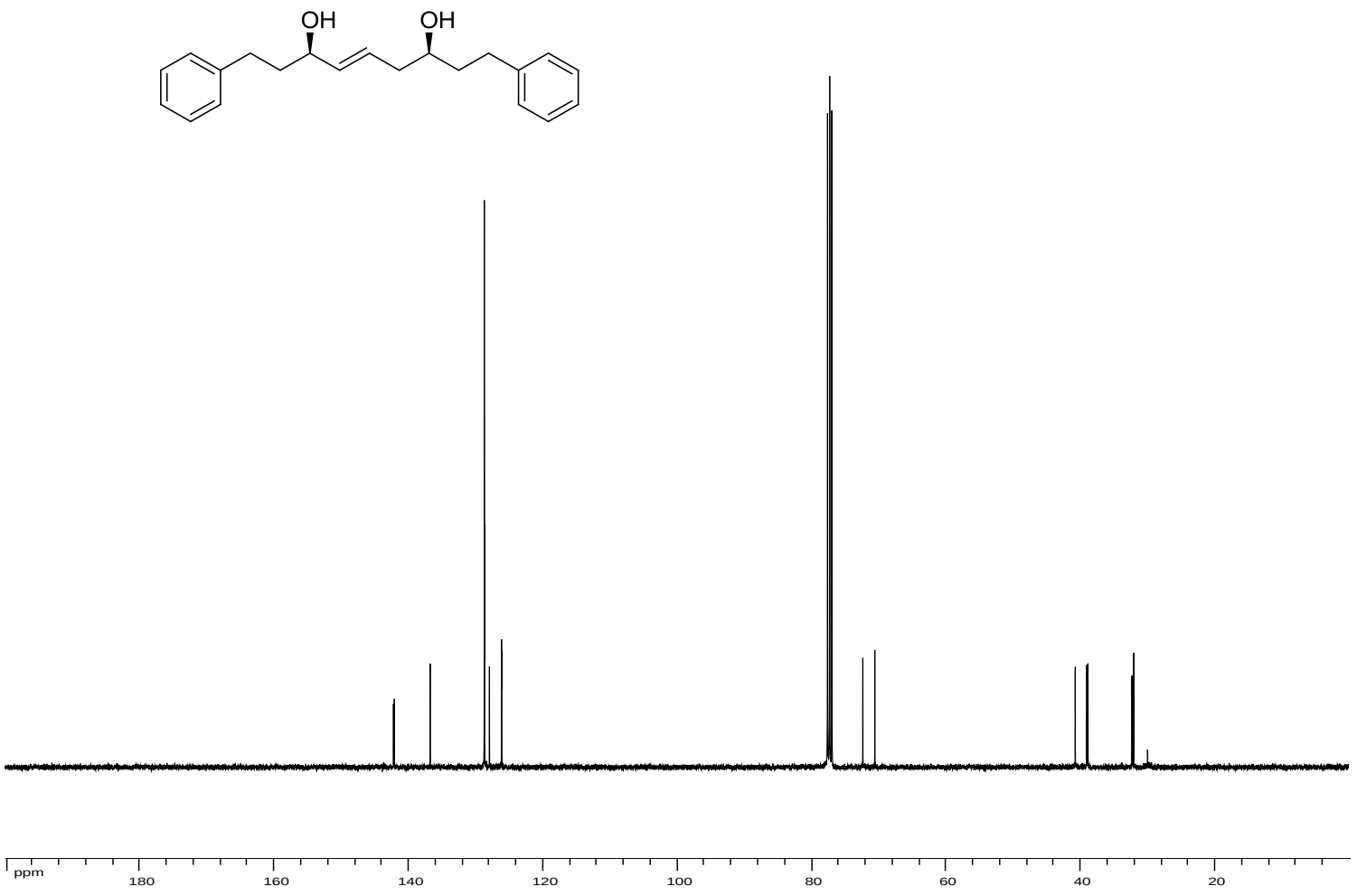


^{1}H NMR (400 MHz, $CDCl_3$) of compound **14**

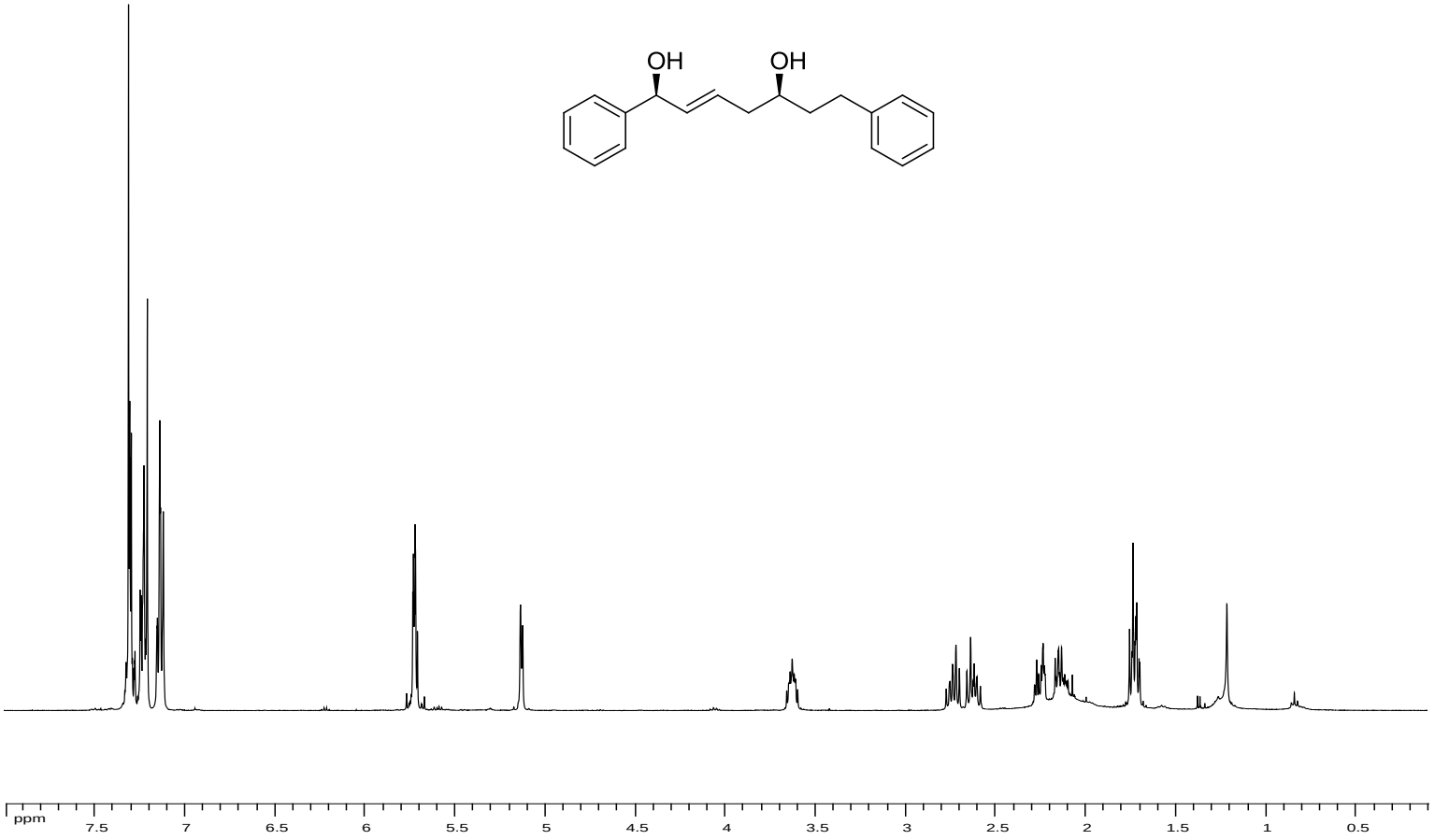




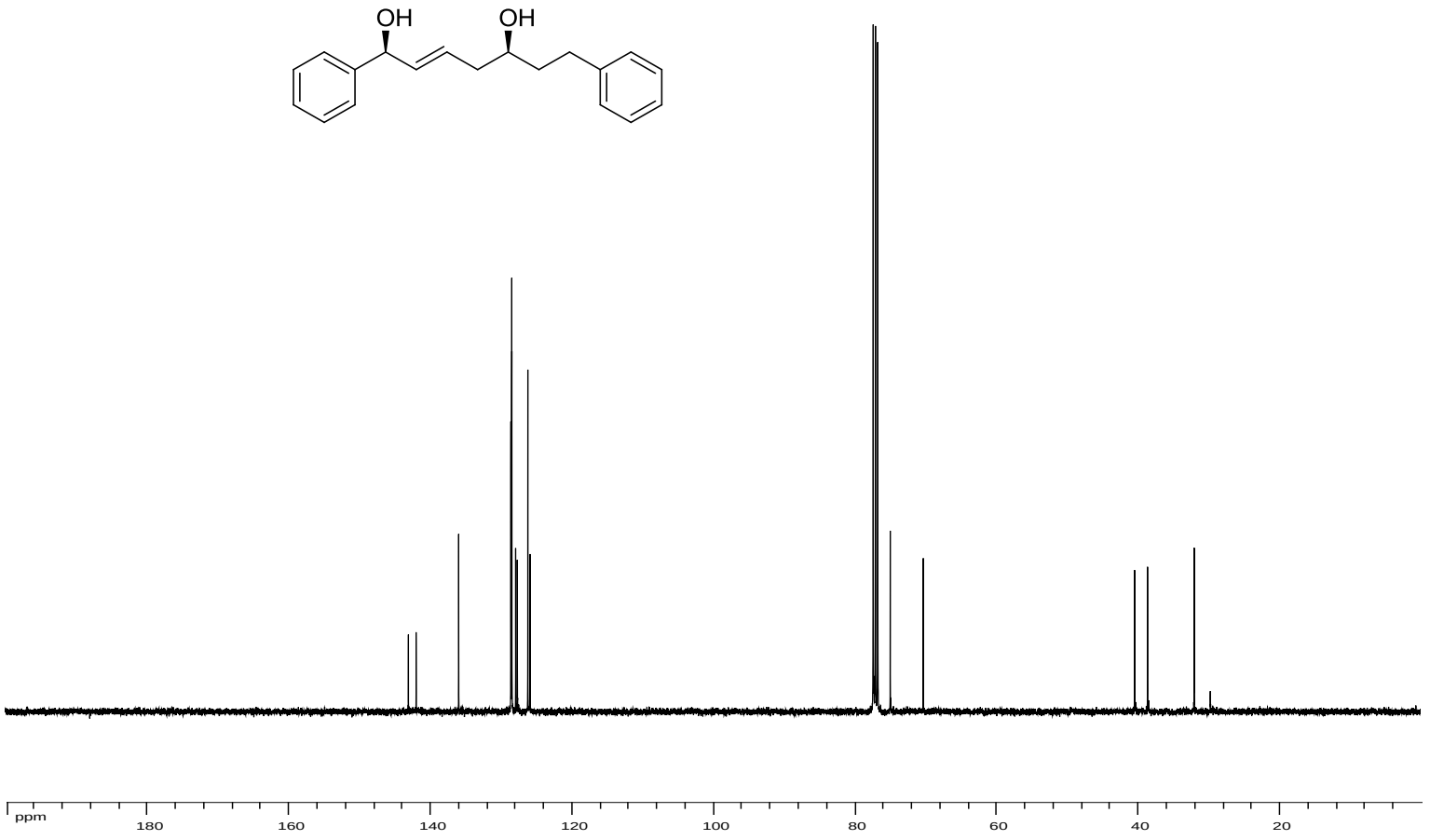
^{13}C NMR (100 MHz, $CDCl_3$) of compound **14**



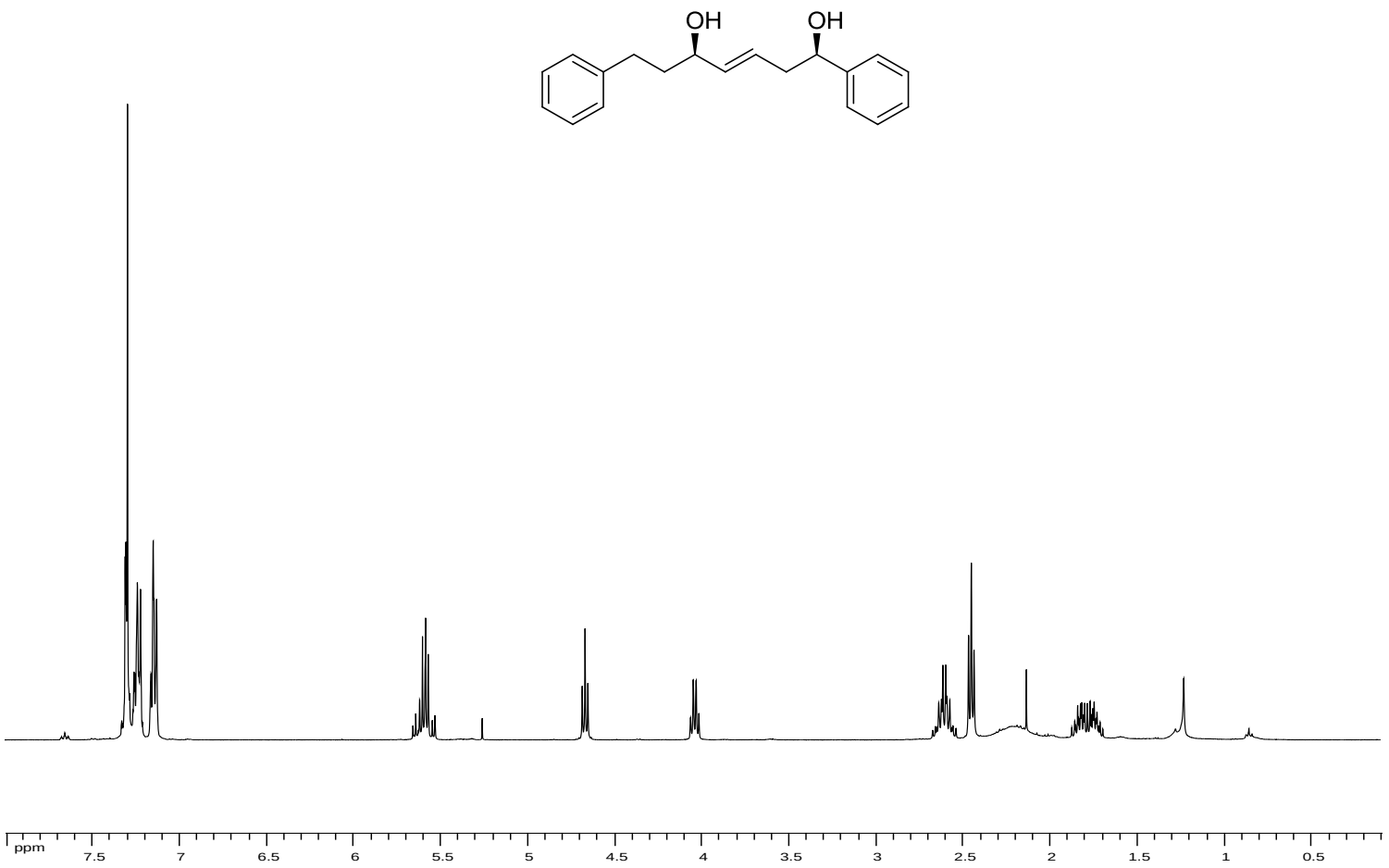
^{1}H NMR (400 MHz, $CDCl_3$) of compound **6a**



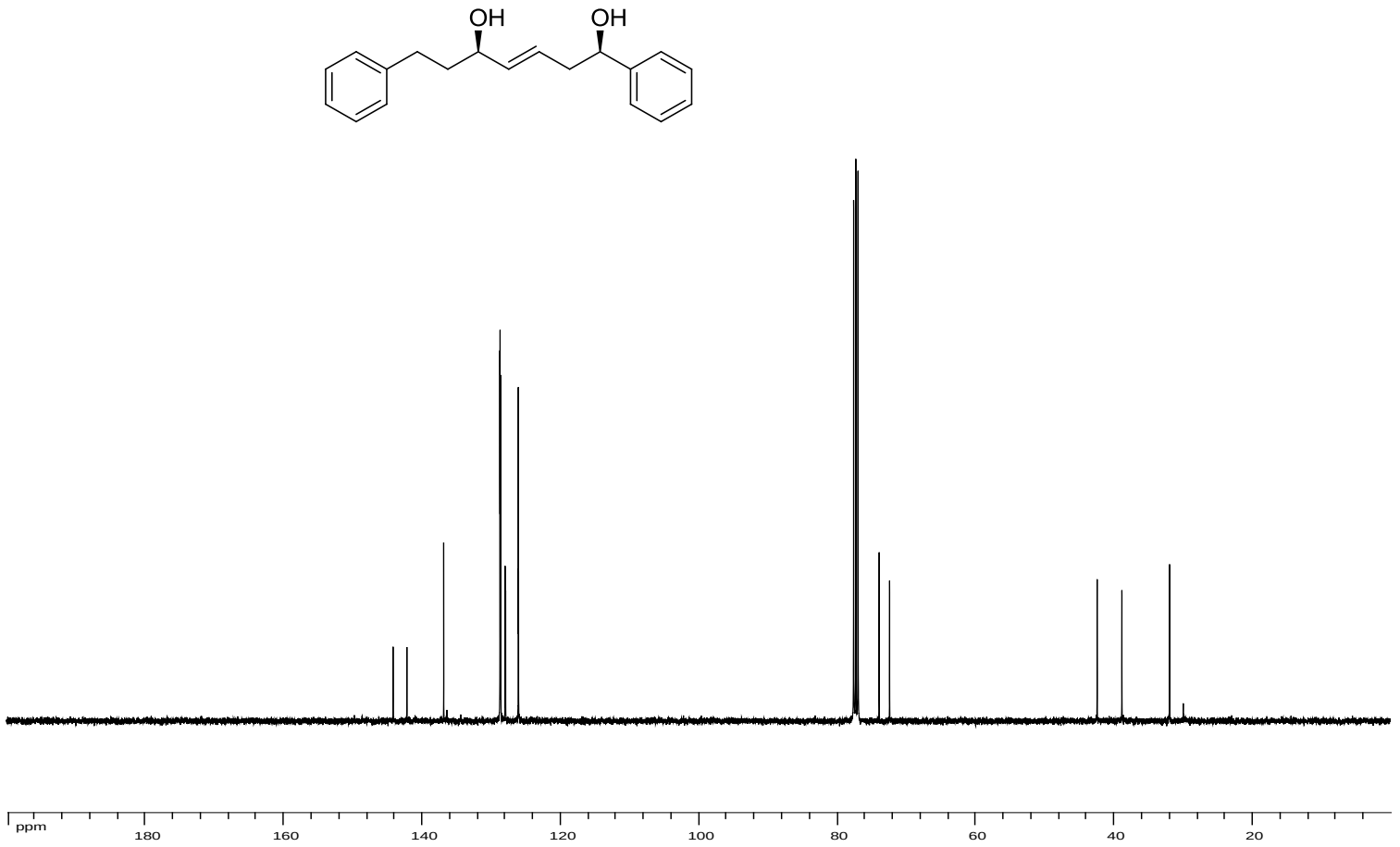
^{13}C NMR (100 MHz, $CDCl_3$) of compound **6a**



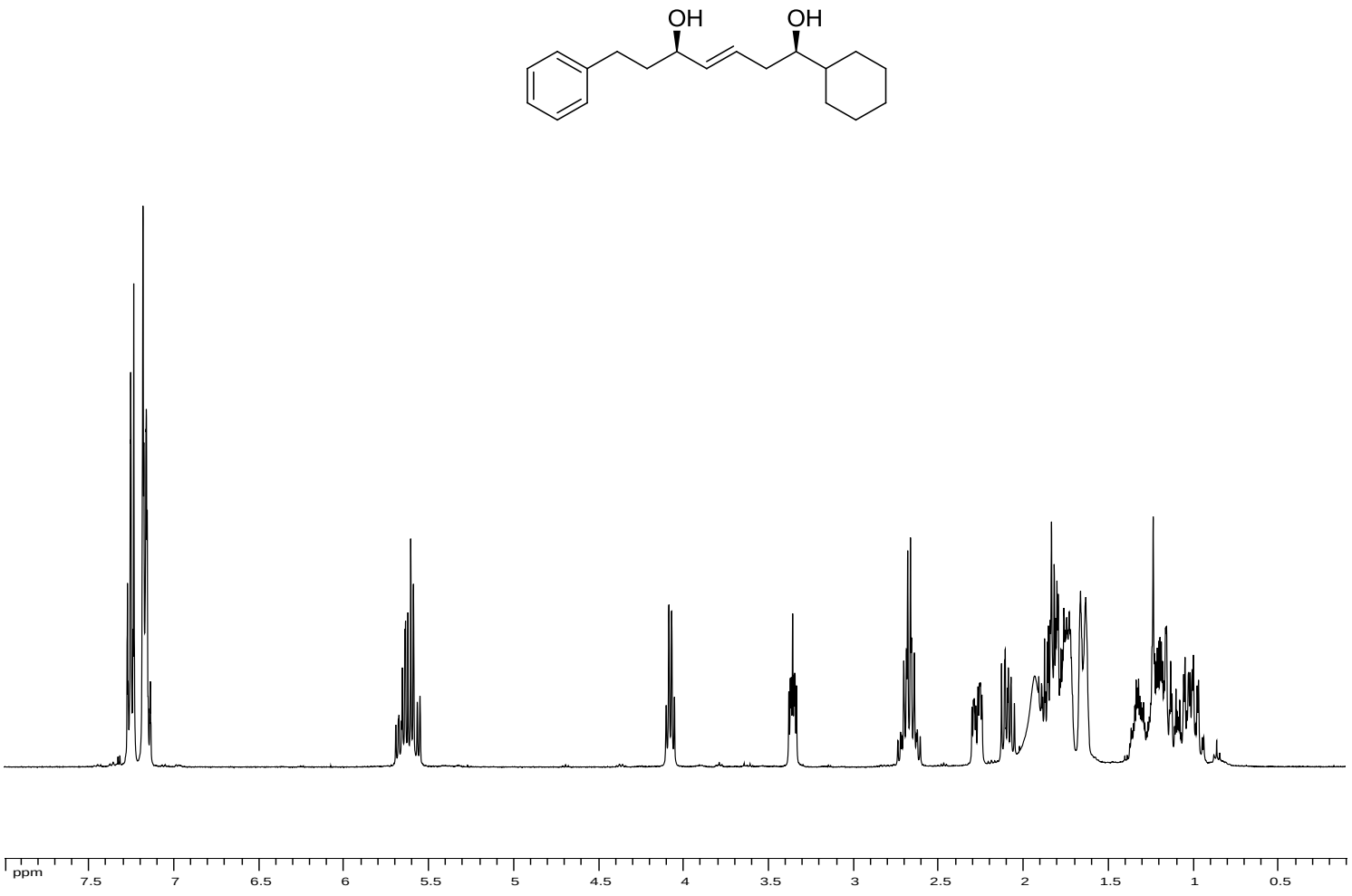
^{1}H NMR (400 MHz, $CDCl_3$) of compound **6b**



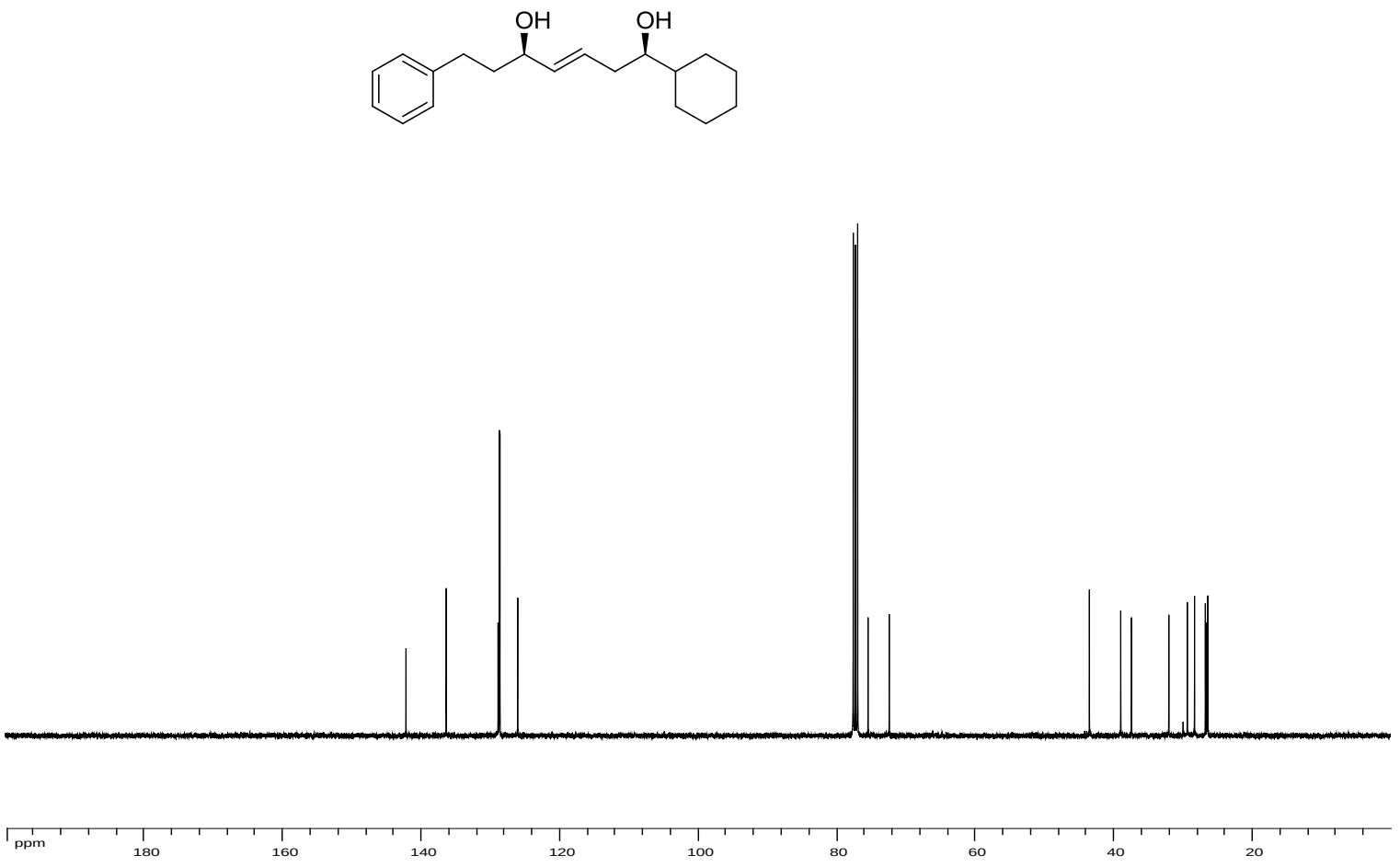
^{13}C NMR (100 MHz, $CDCl_3$) of compound **6b**



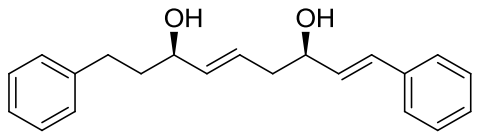
^{1}H NMR (400 MHz, $CDCl_3$) of compound **6c**

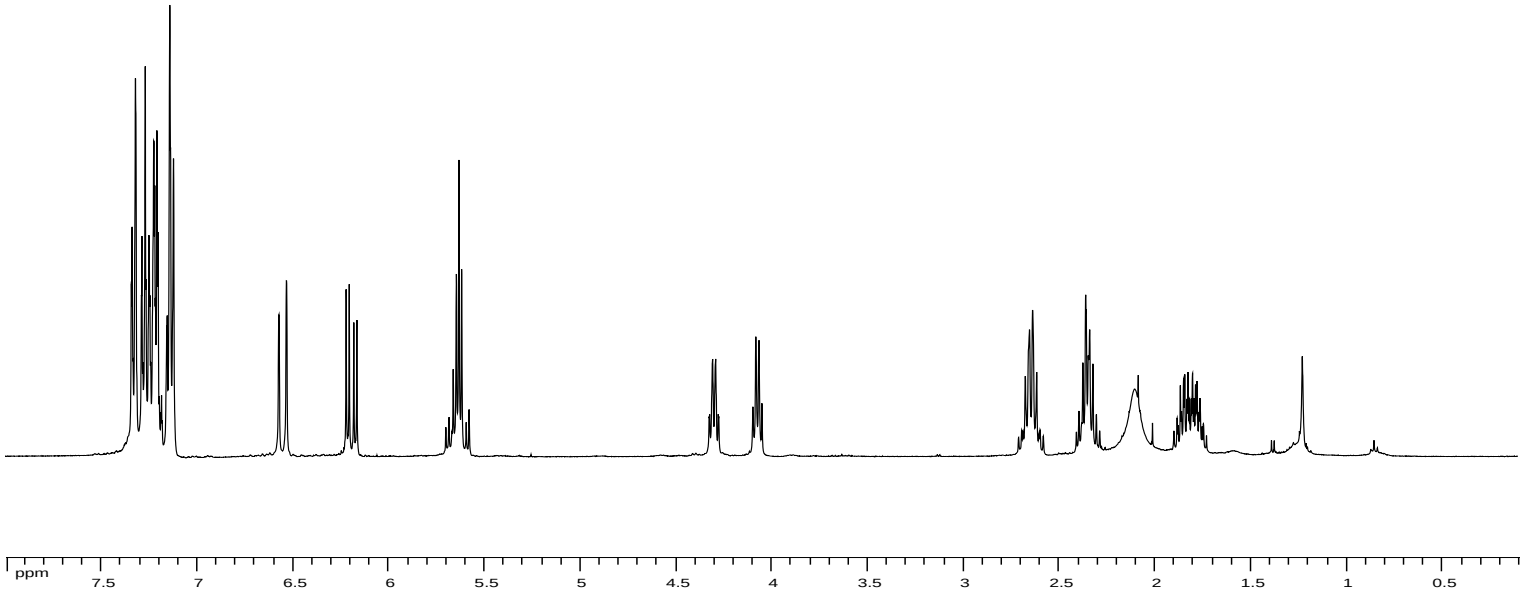


^{13}C NMR (100 MHz, $CDCl_3$) of compound **6c**

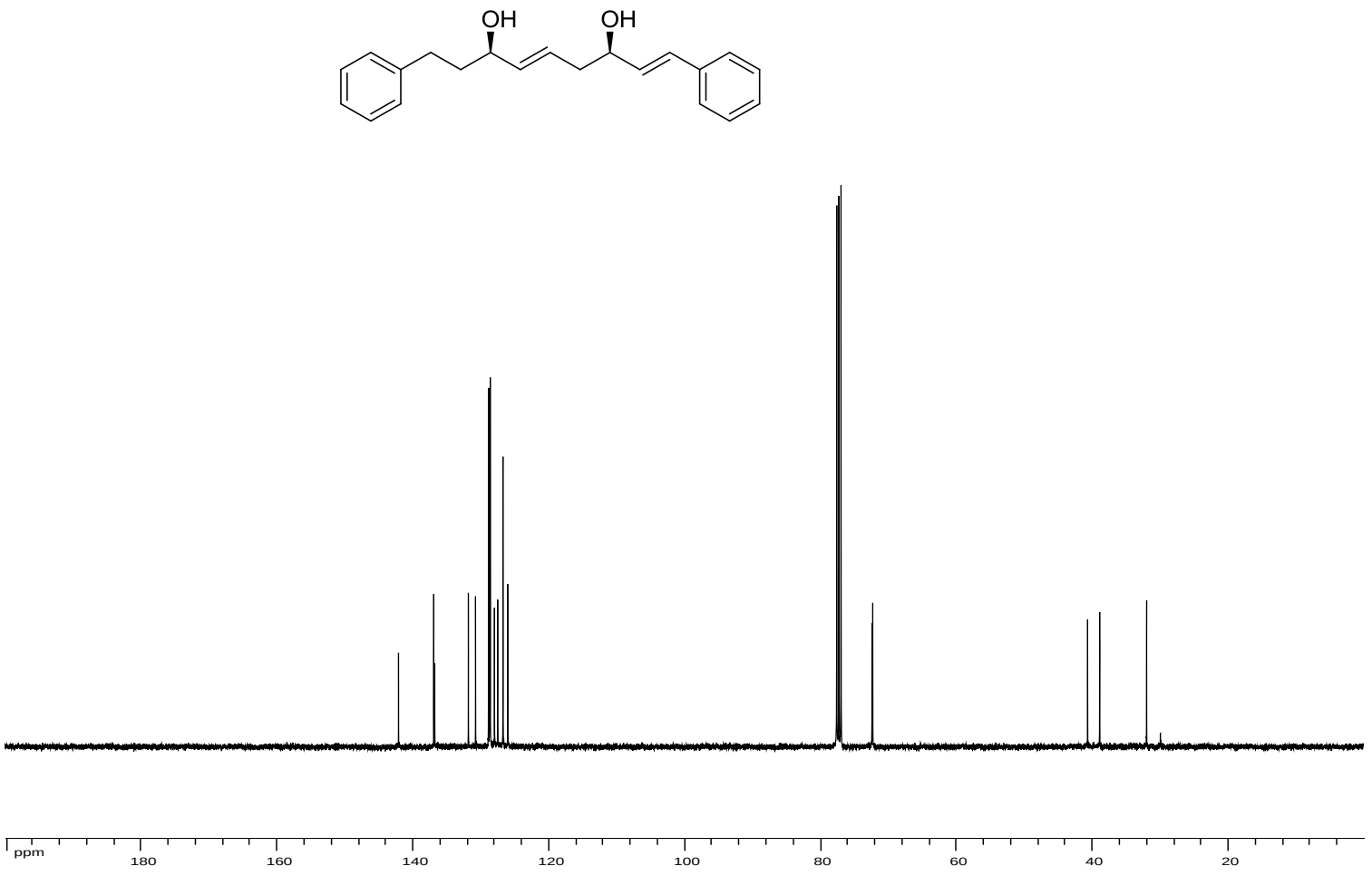


^{1}H NMR (400 MHz, $CDCl_3$) of compound **6d**

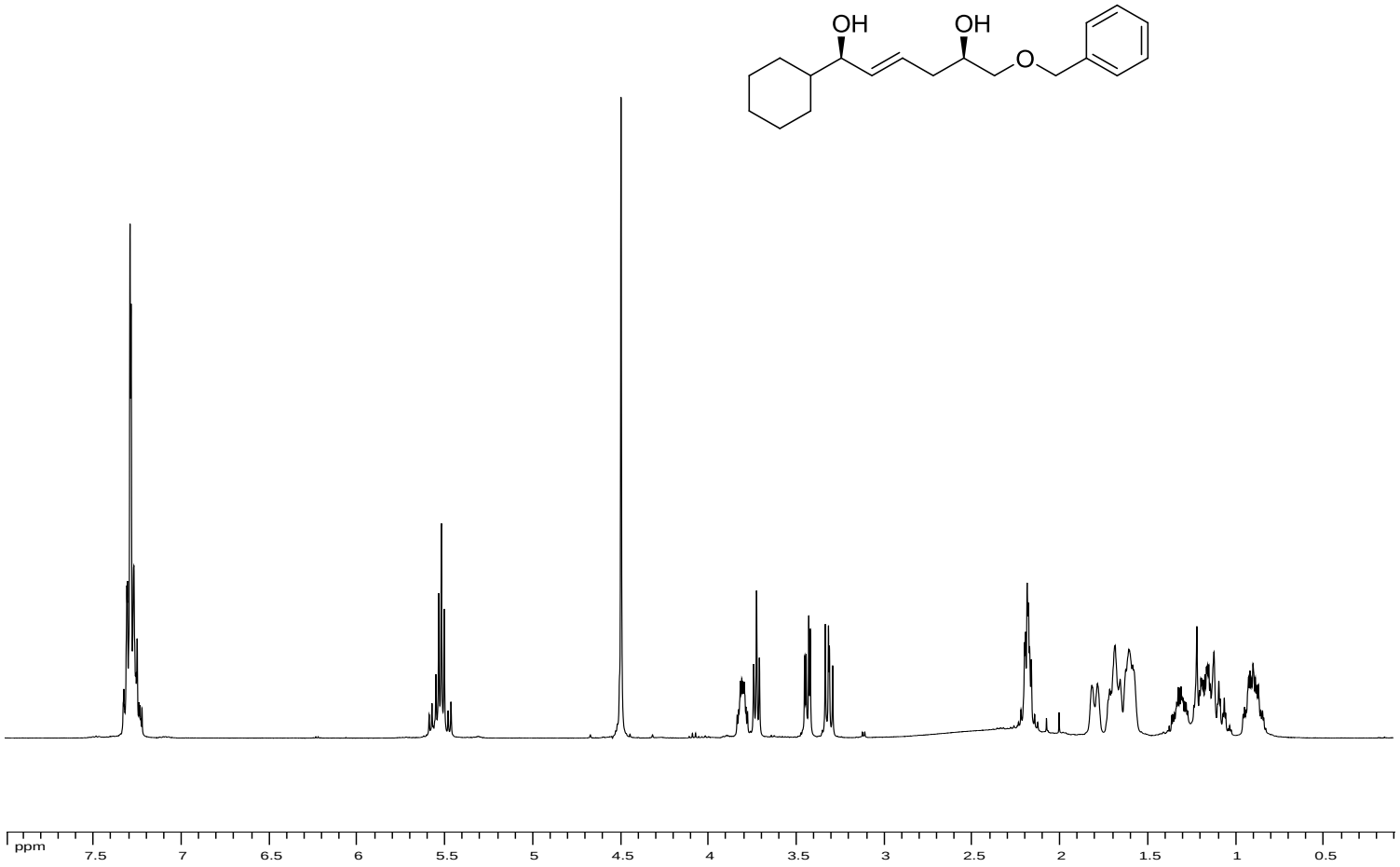




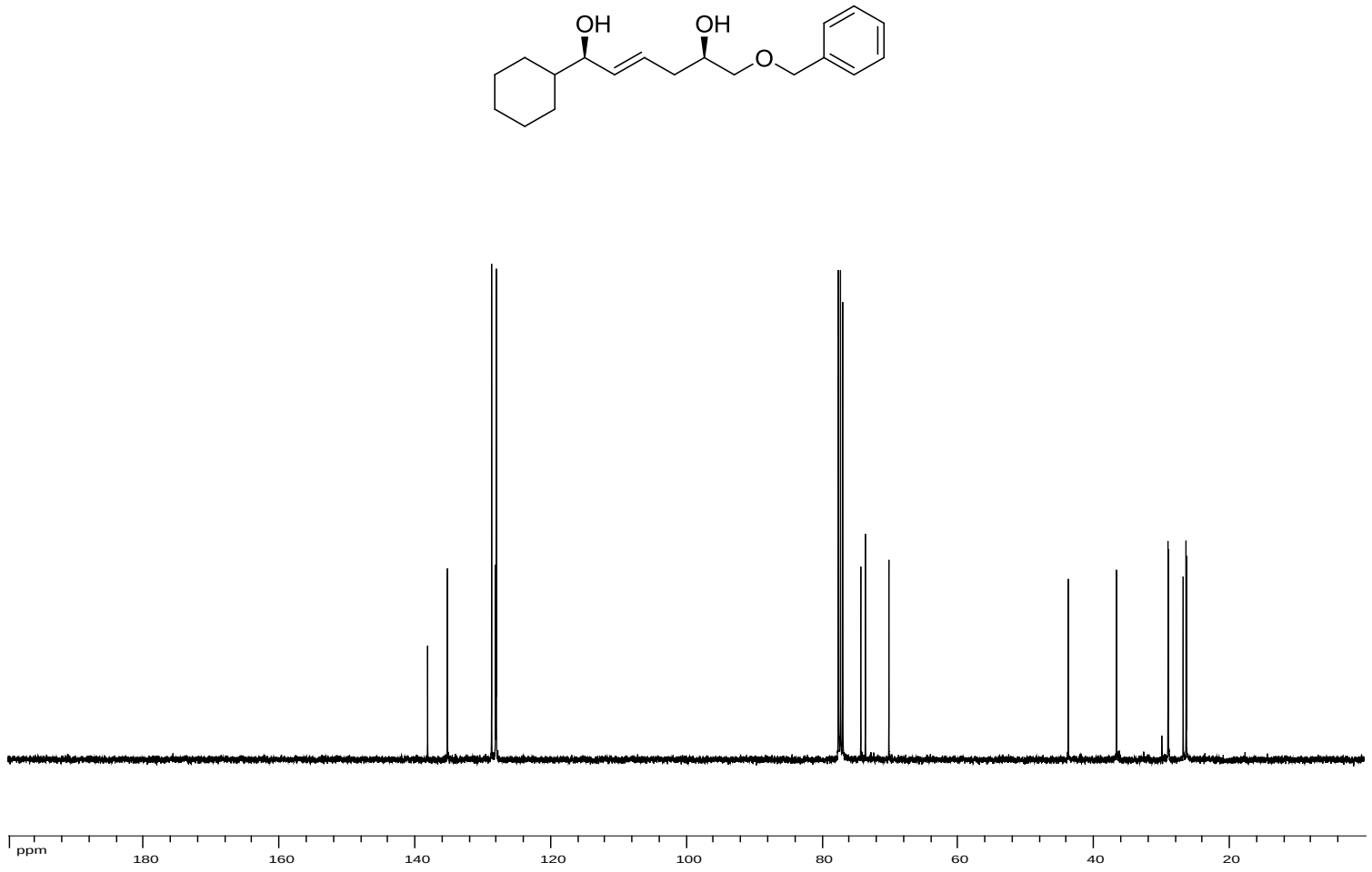
^{13}C NMR (100 MHz, $CDCl_3$) of compound **6d**



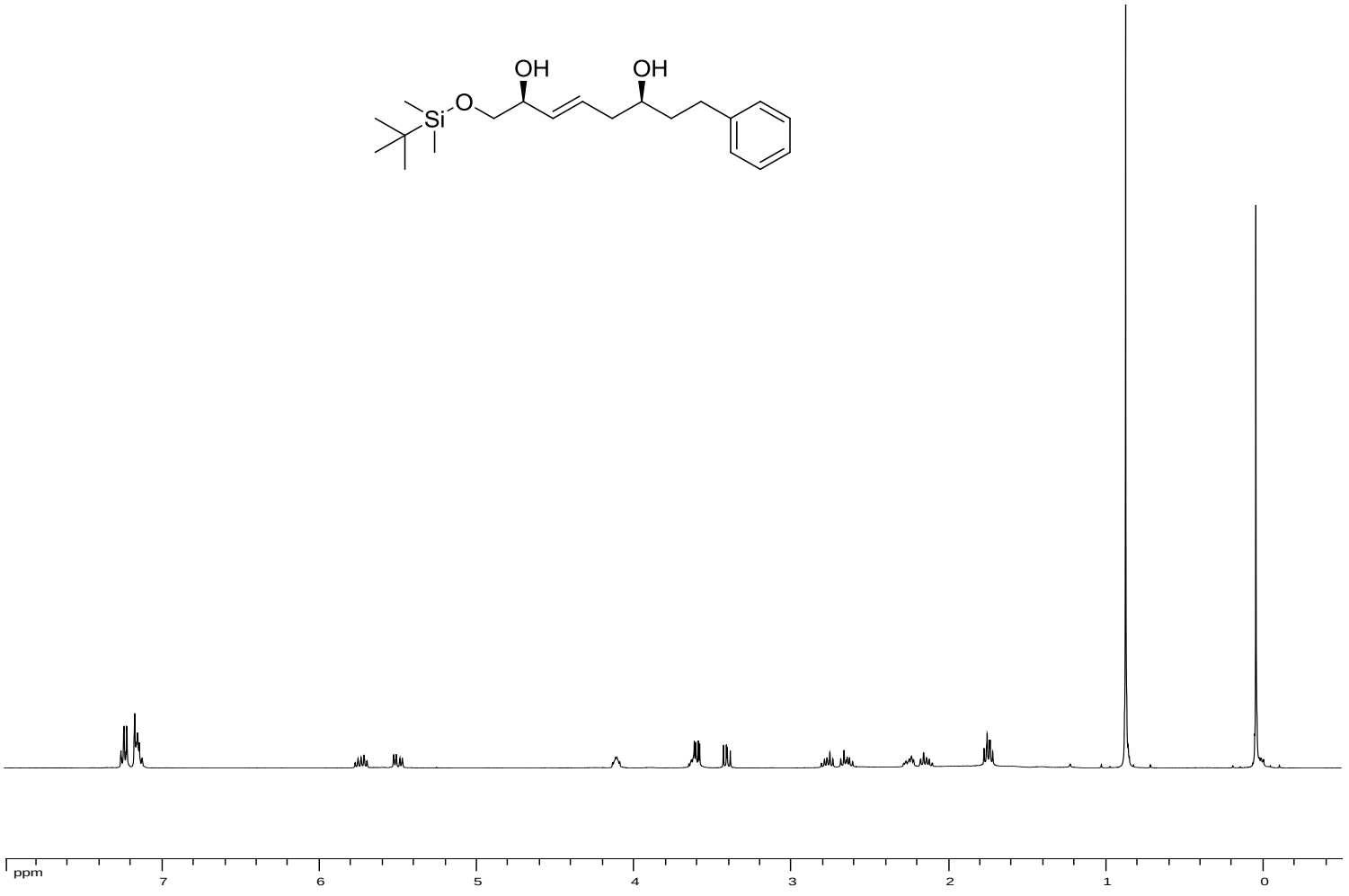
^{1}H NMR (400 MHz, $CDCl_3$) of compound **6e**



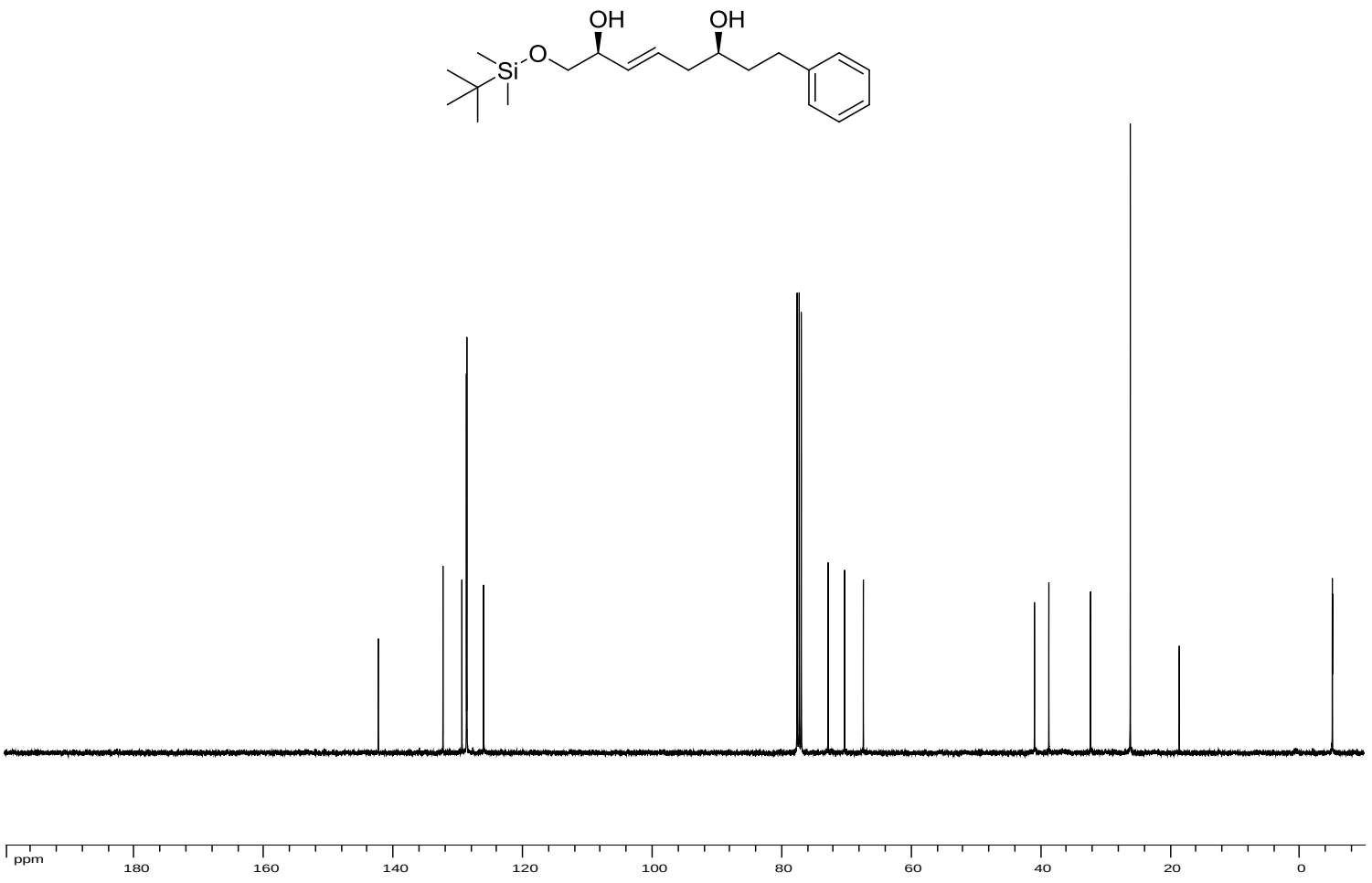
^{13}C NMR (100 MHz, $CDCl_3$) of compound **6e**



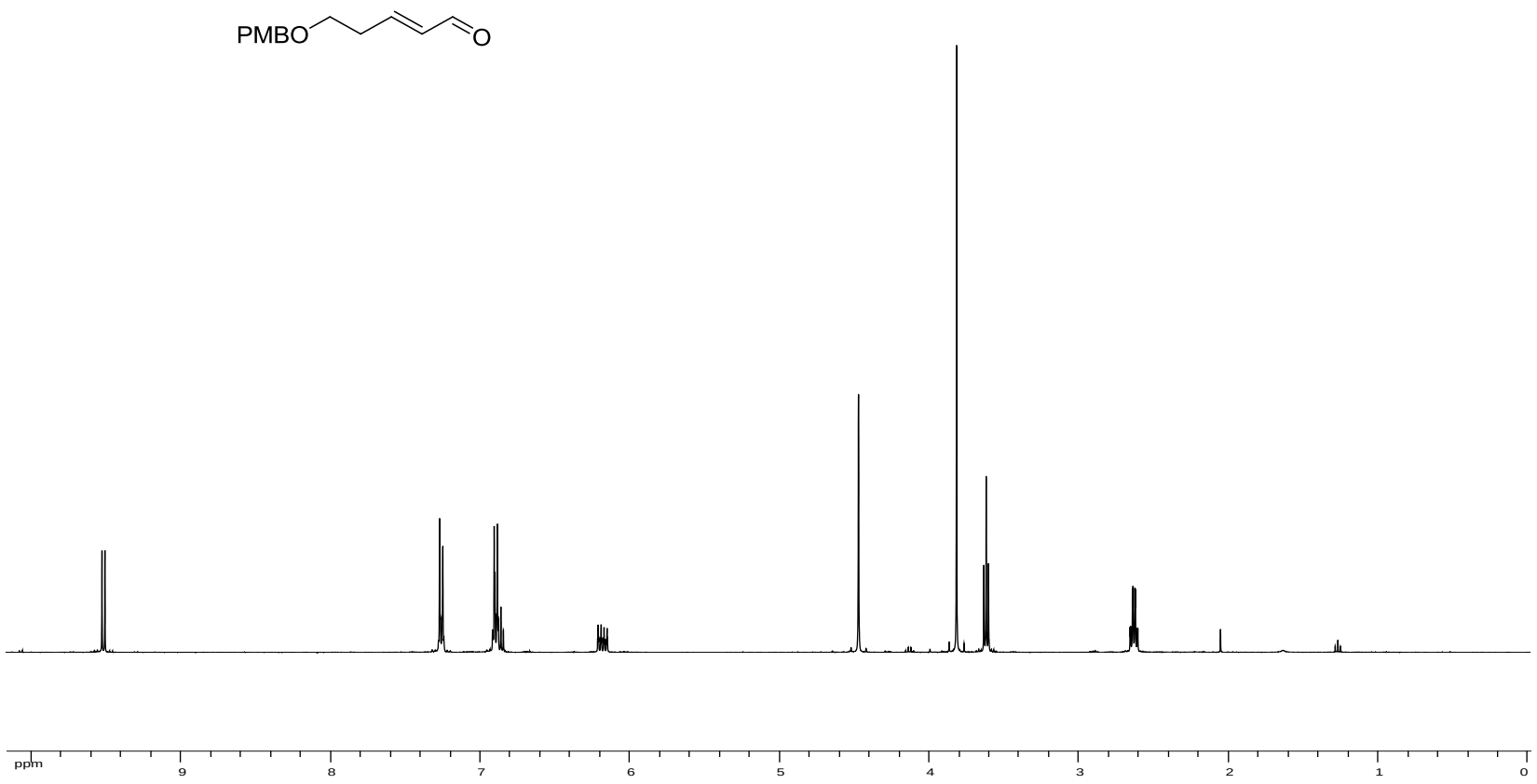
^{1}H NMR (400 MHz, $CDCl_3$) of compound **6f**



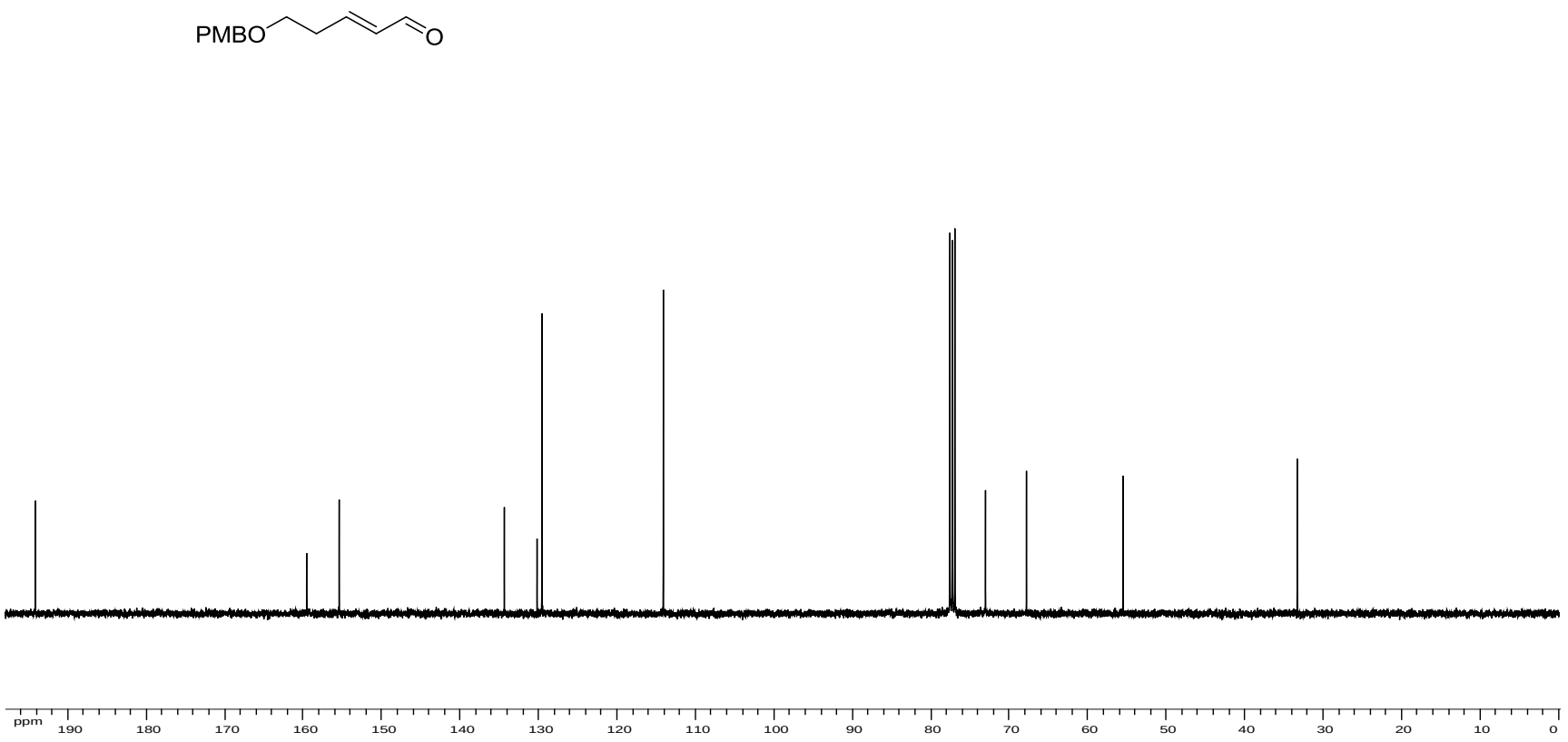
^{13}C NMR (100 MHz, $CDCl_3$) of compound **6f**



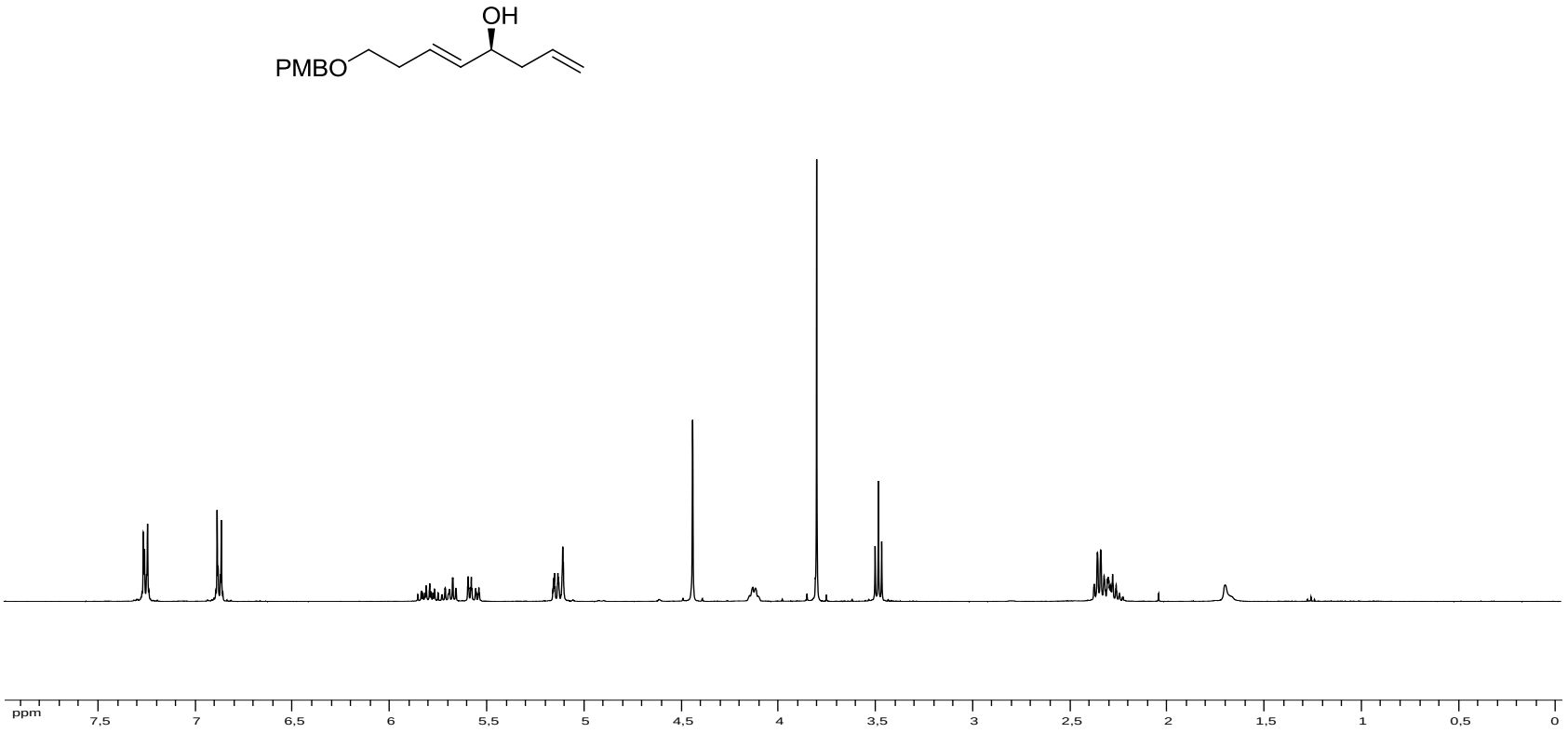
^{1}H spectrum of compound SI-9



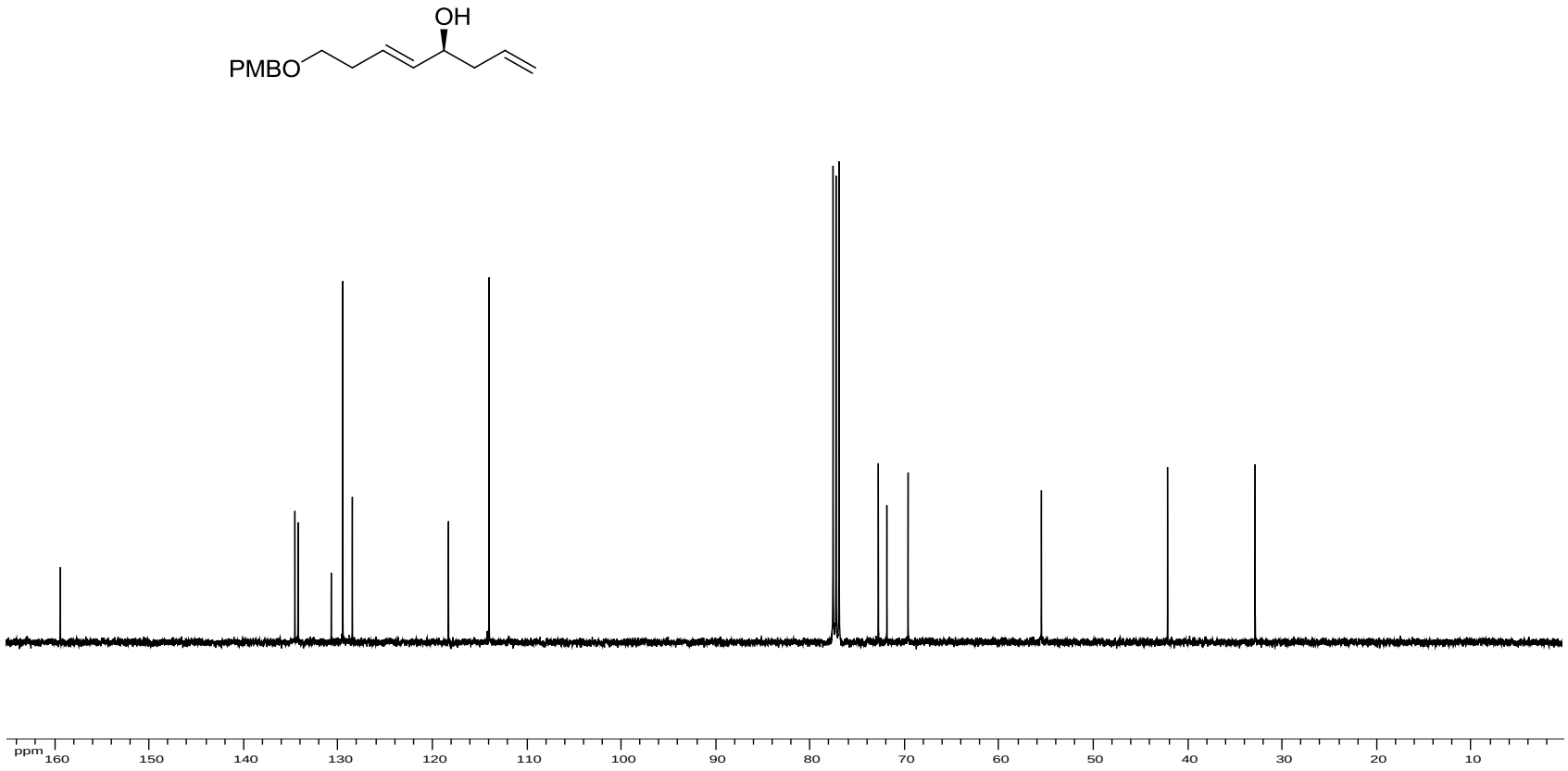
^{13}C spectrum of compound SI-9



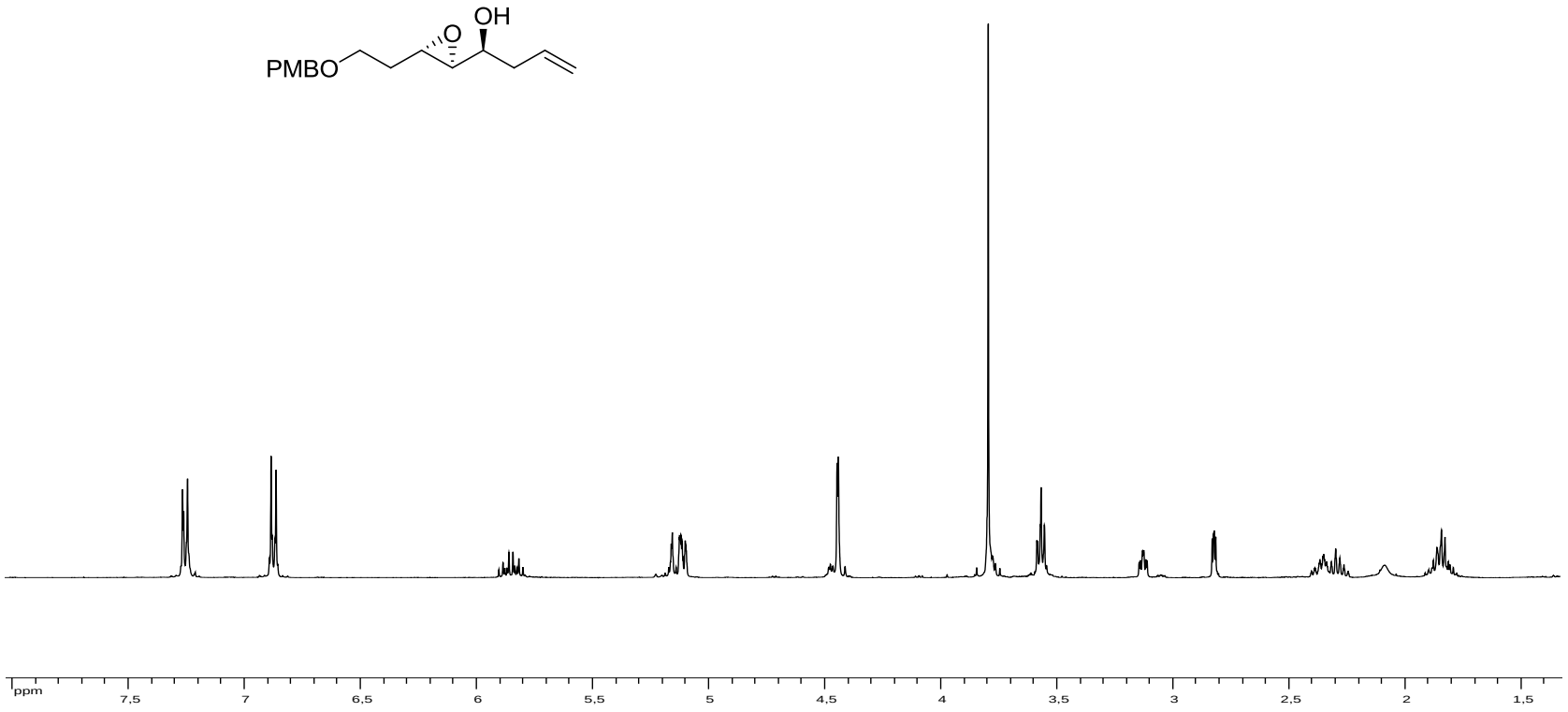
^{1}H spectrum of compound SI-10



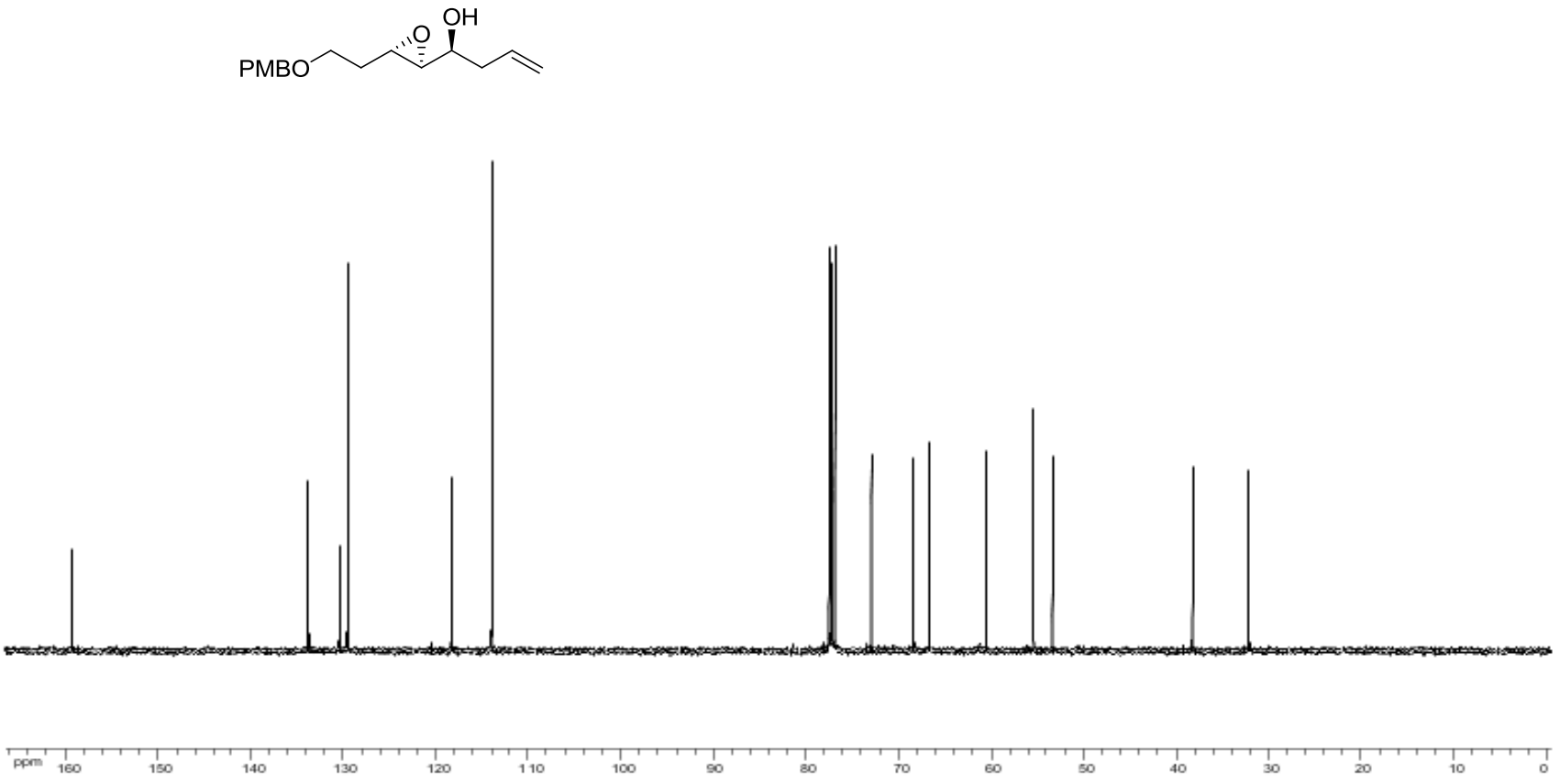
^{13}C spectrum of compound SI-10



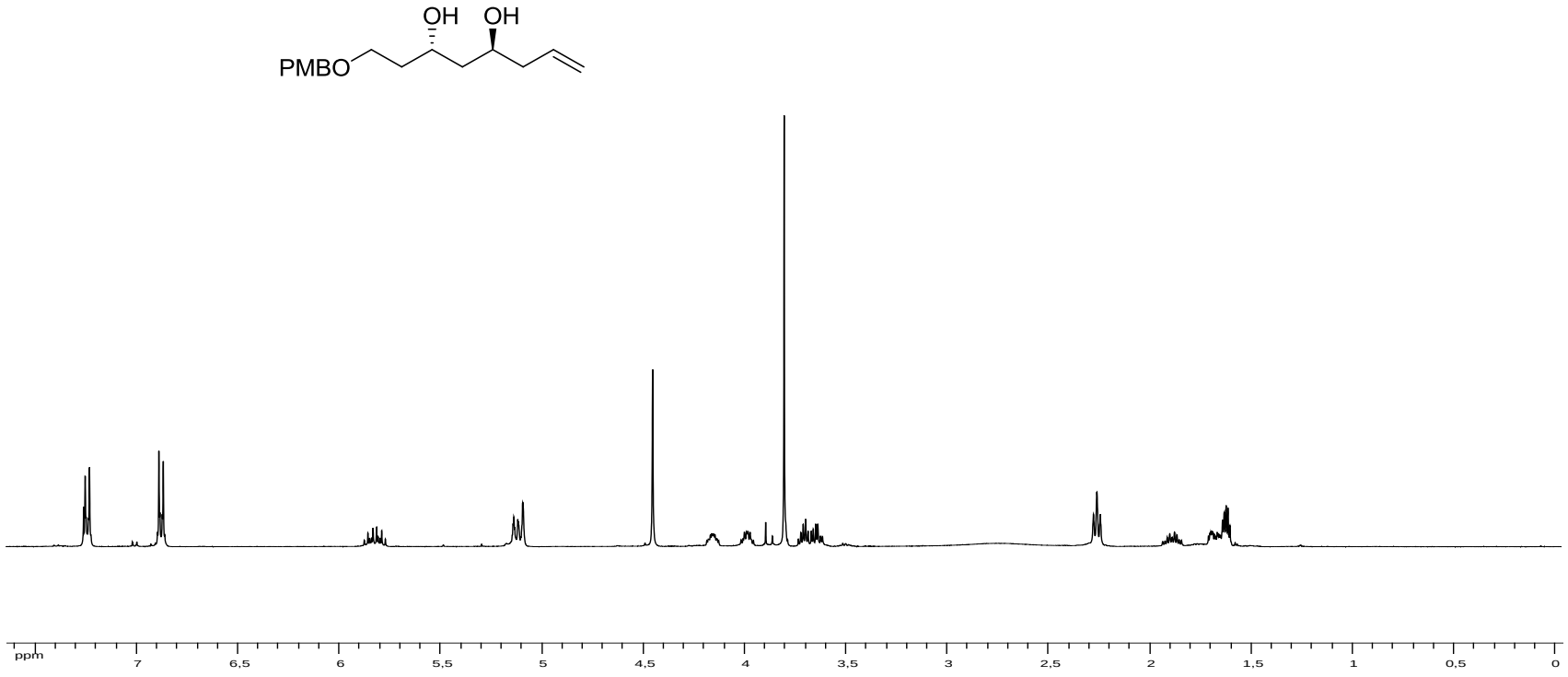
^{1}H spectrum of compound SI-11



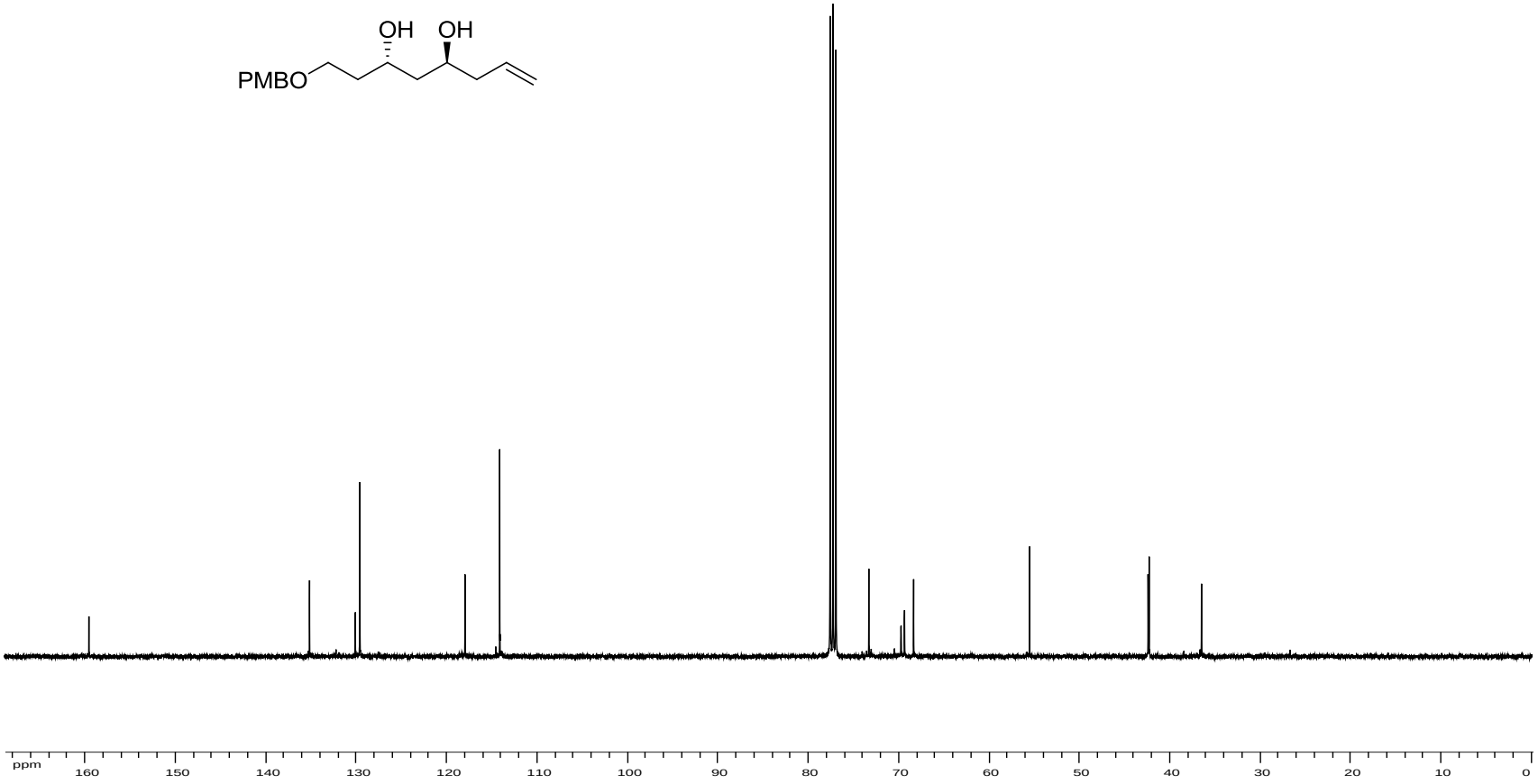
^{13}C spectrum of compound SI-11



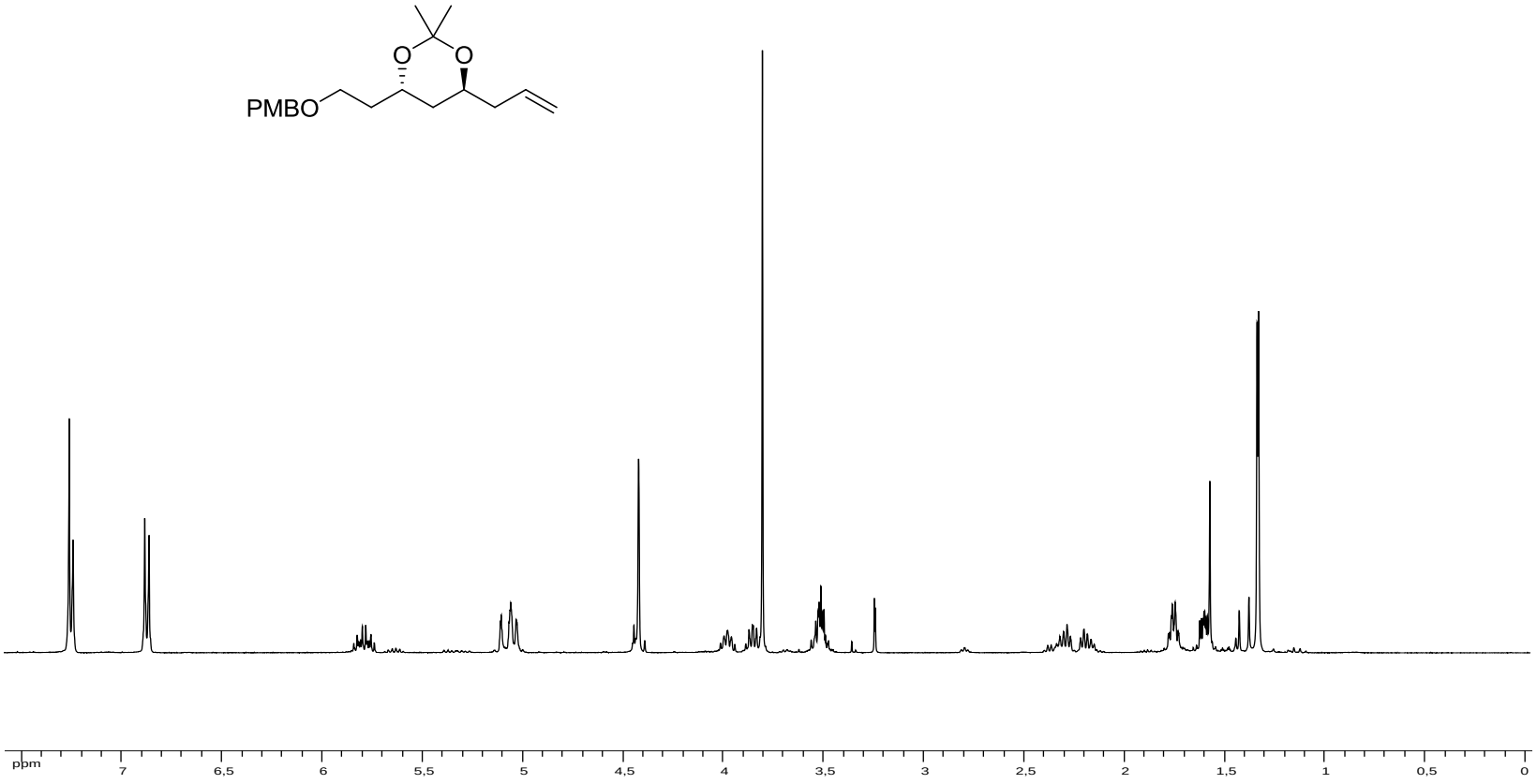
^{1}H spectrum of compound SI-12



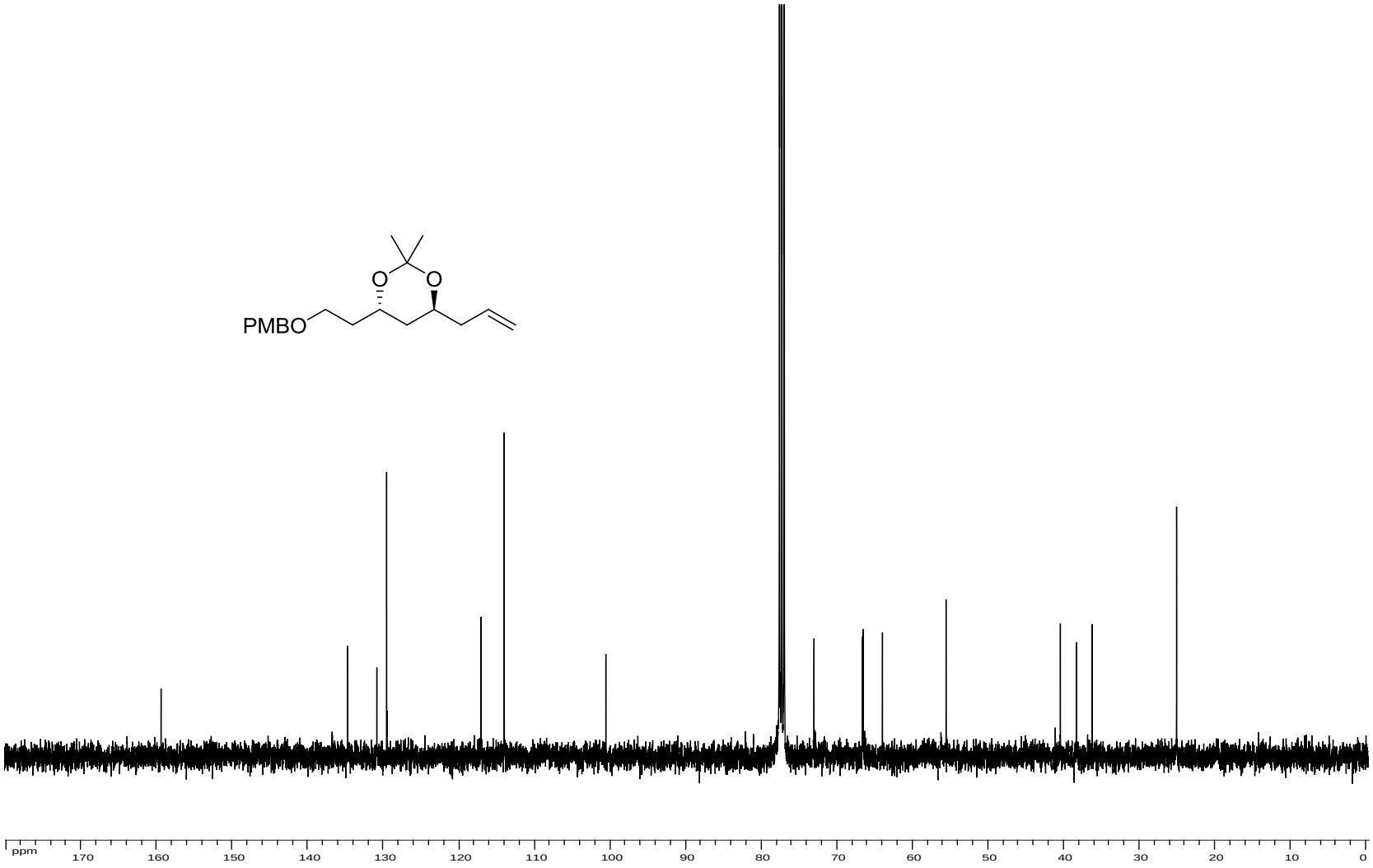
^{13}C spectrum of compound SI-12



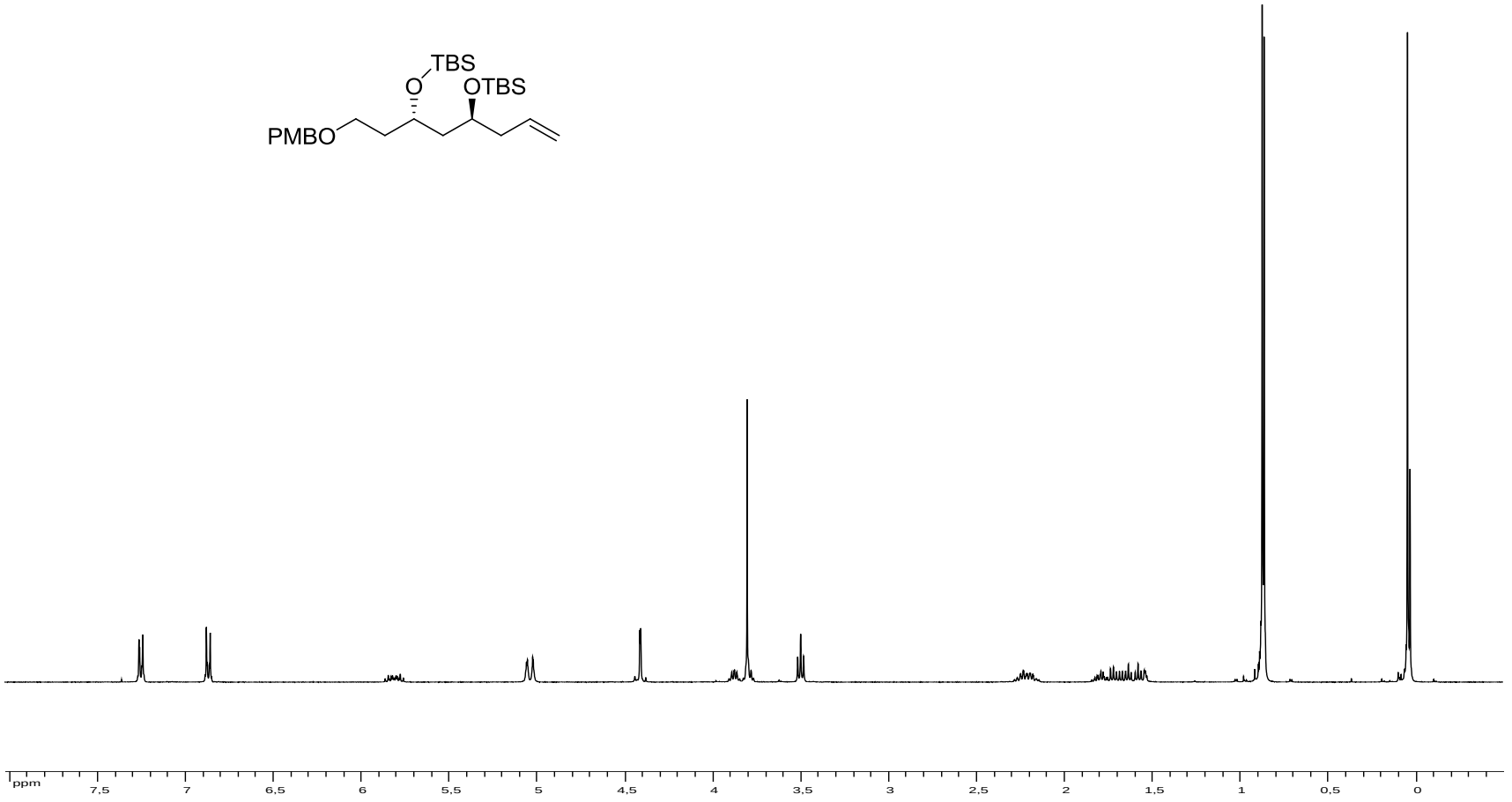
^{1}H spectrum of compound SI-13



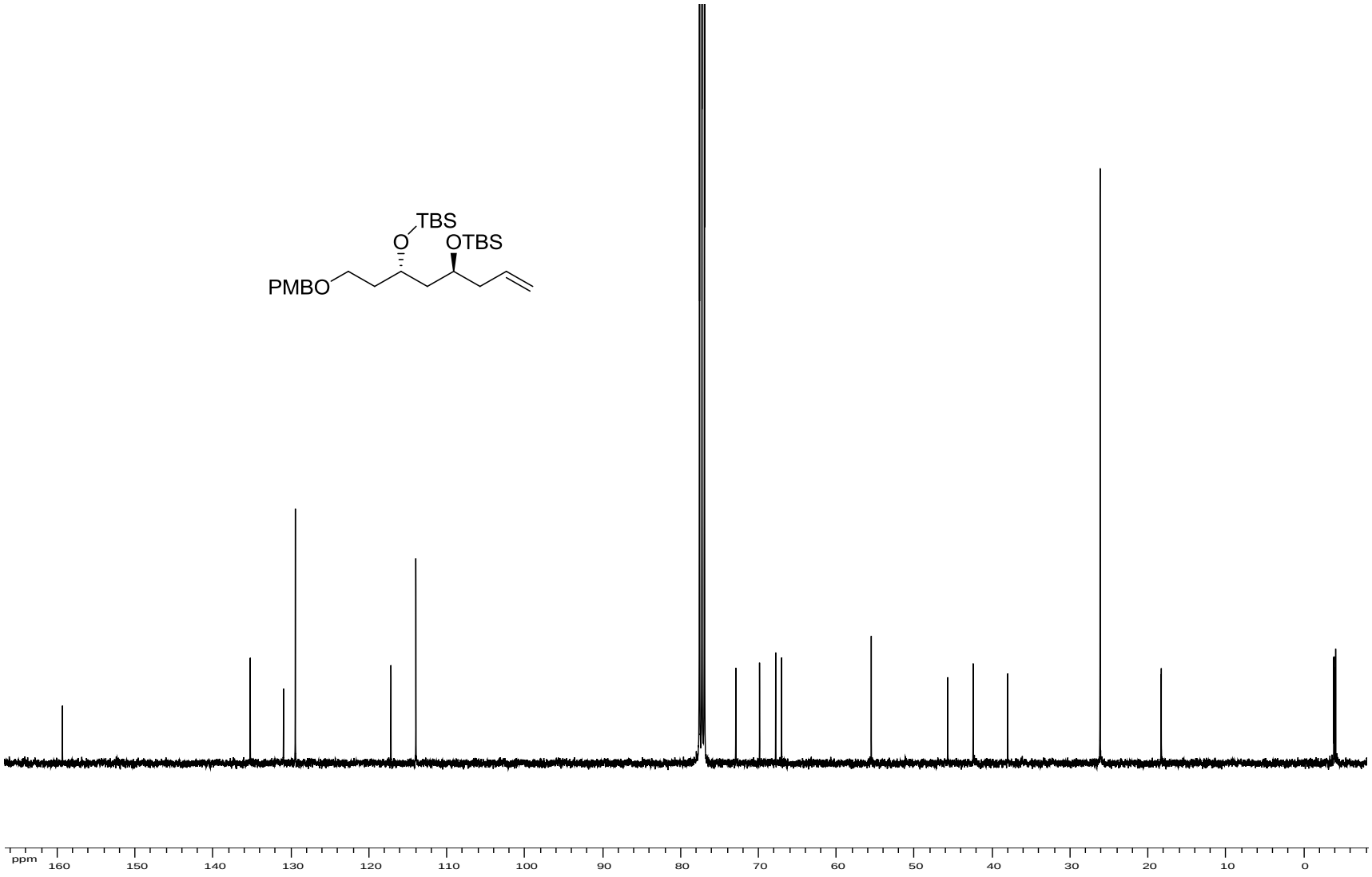
^{13}C spectrum of compound SI-13



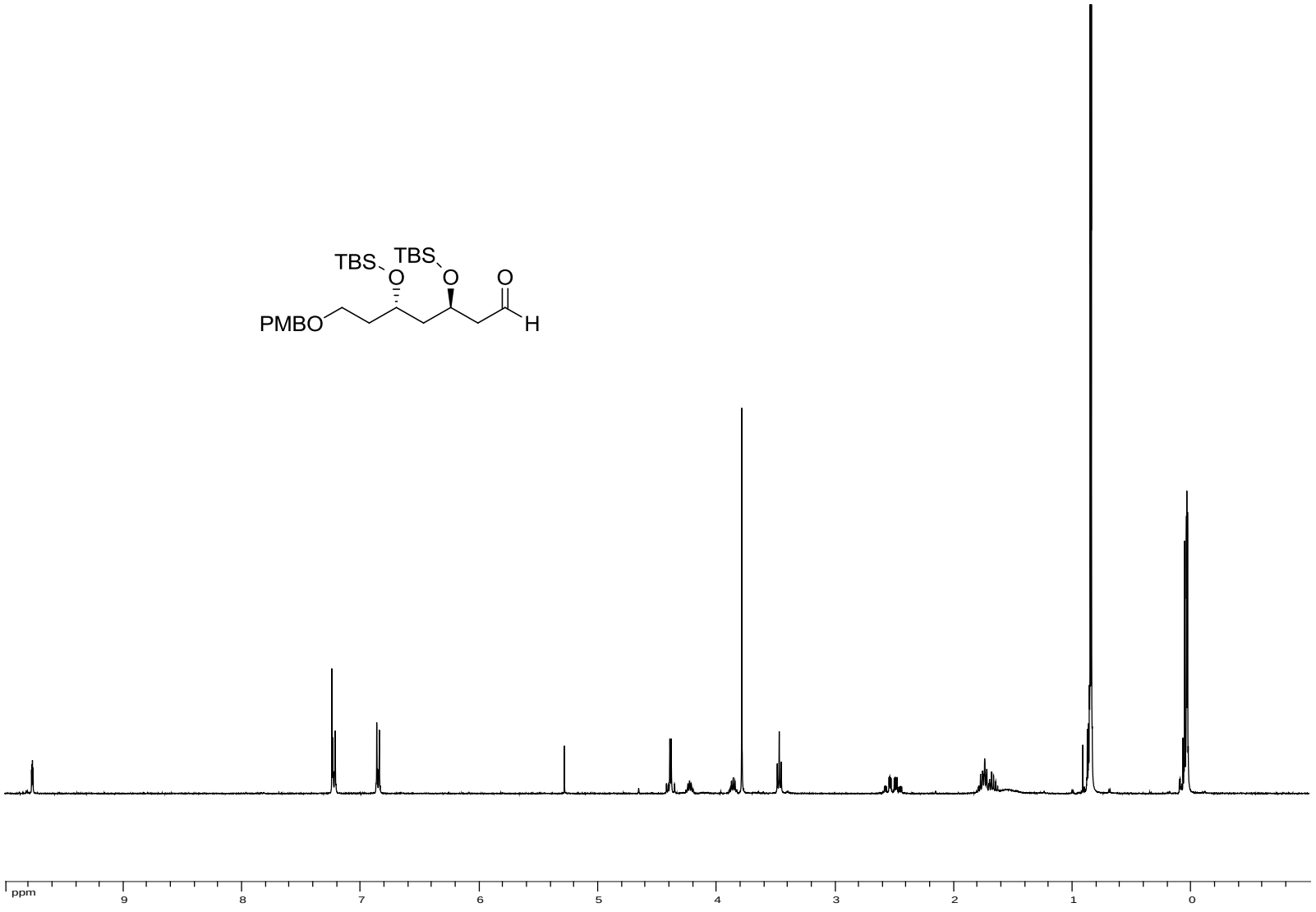
^{1}H spectrum of compound SI-14



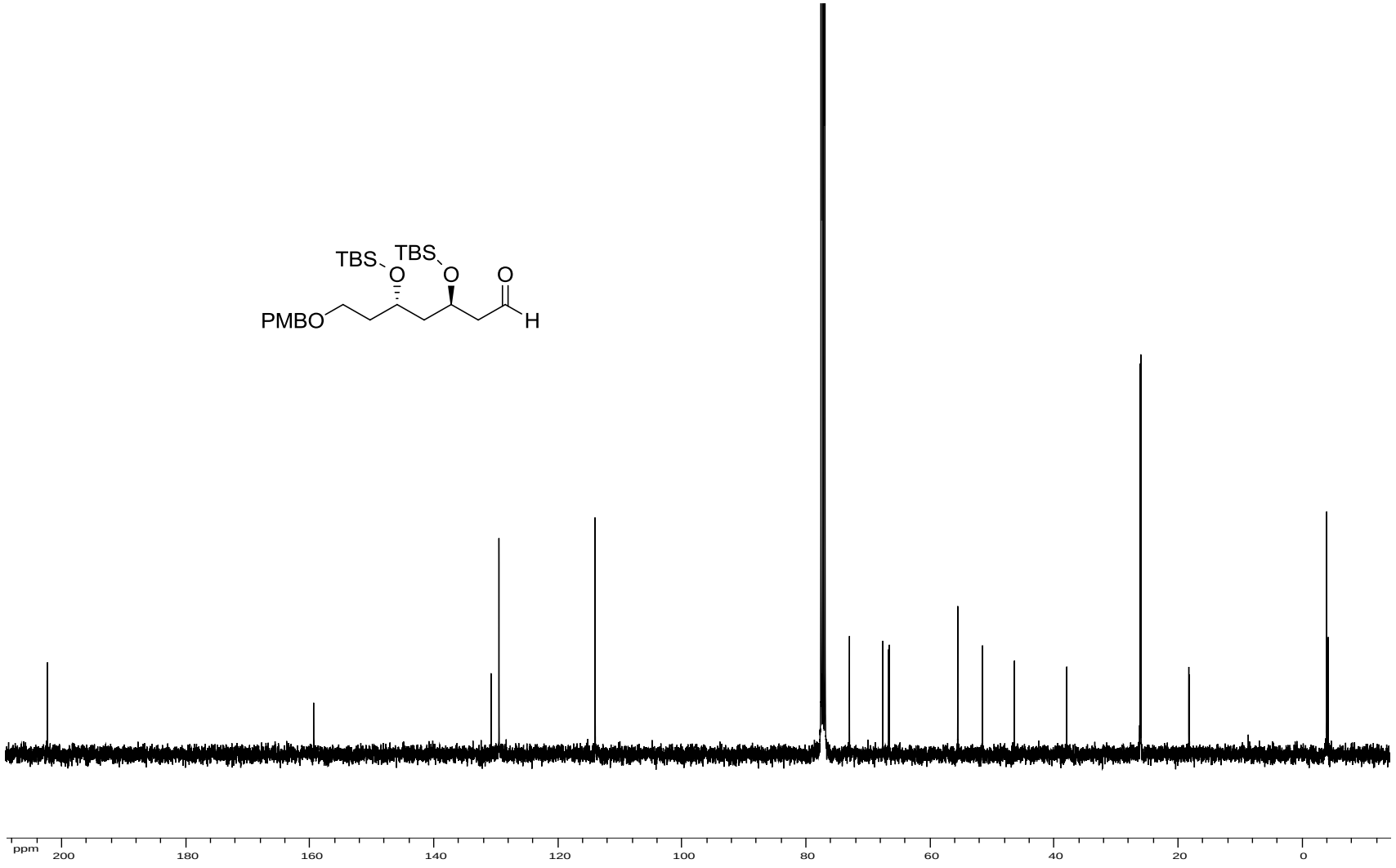
^{13}C spectrum of compound SI-14



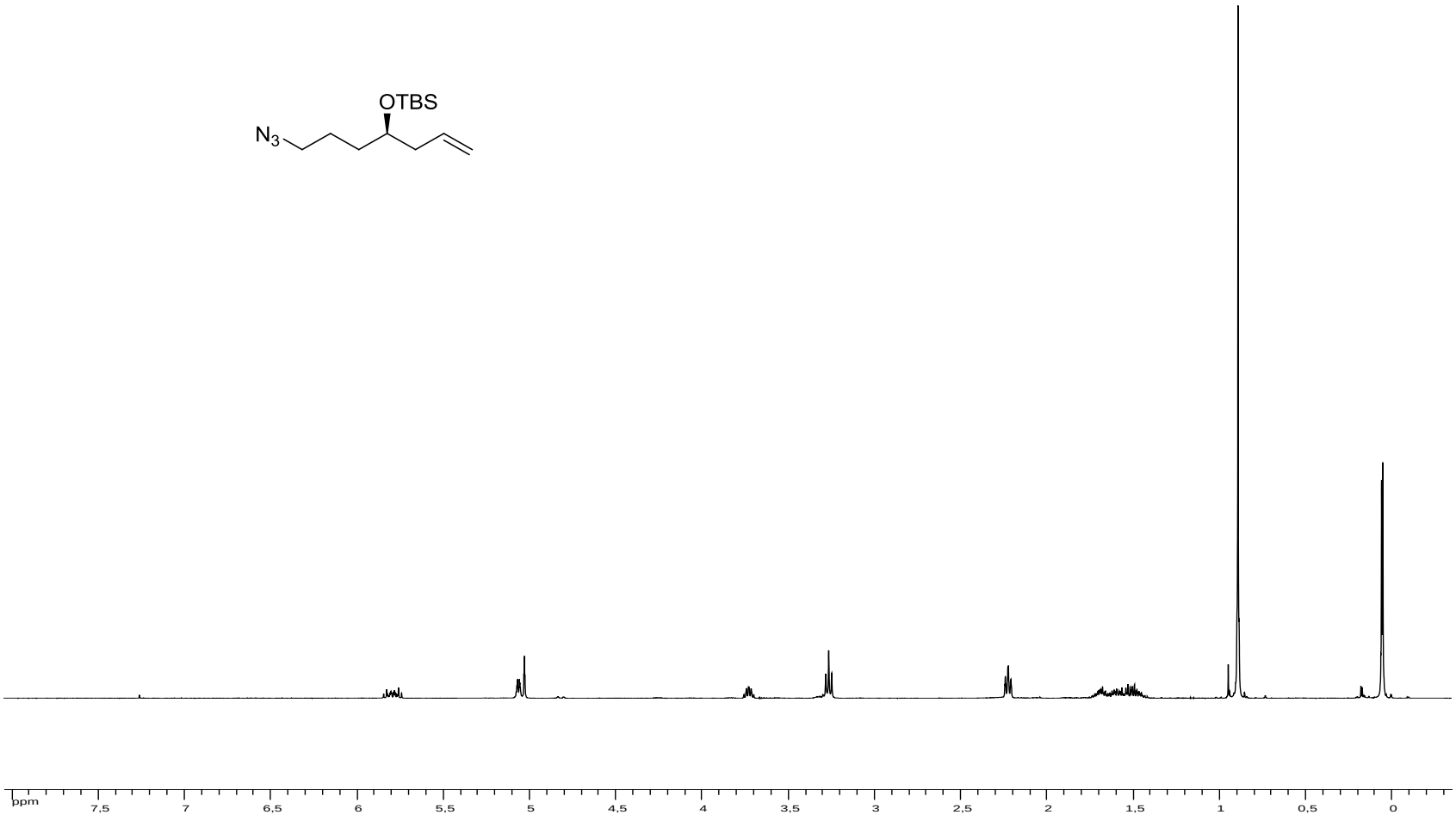
^{1}H spectrum of compound 18



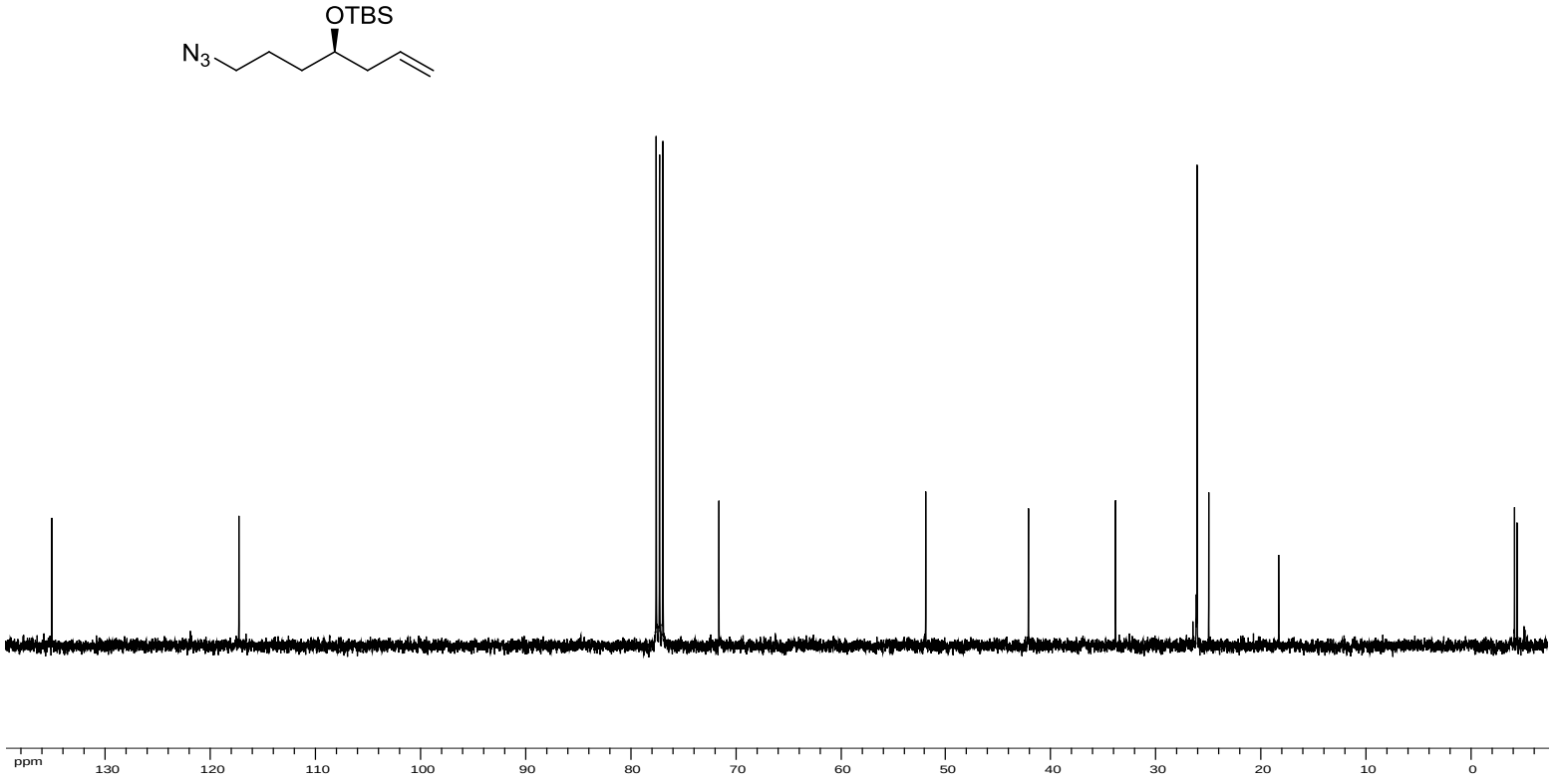
^{13}C spectrum of compound 18



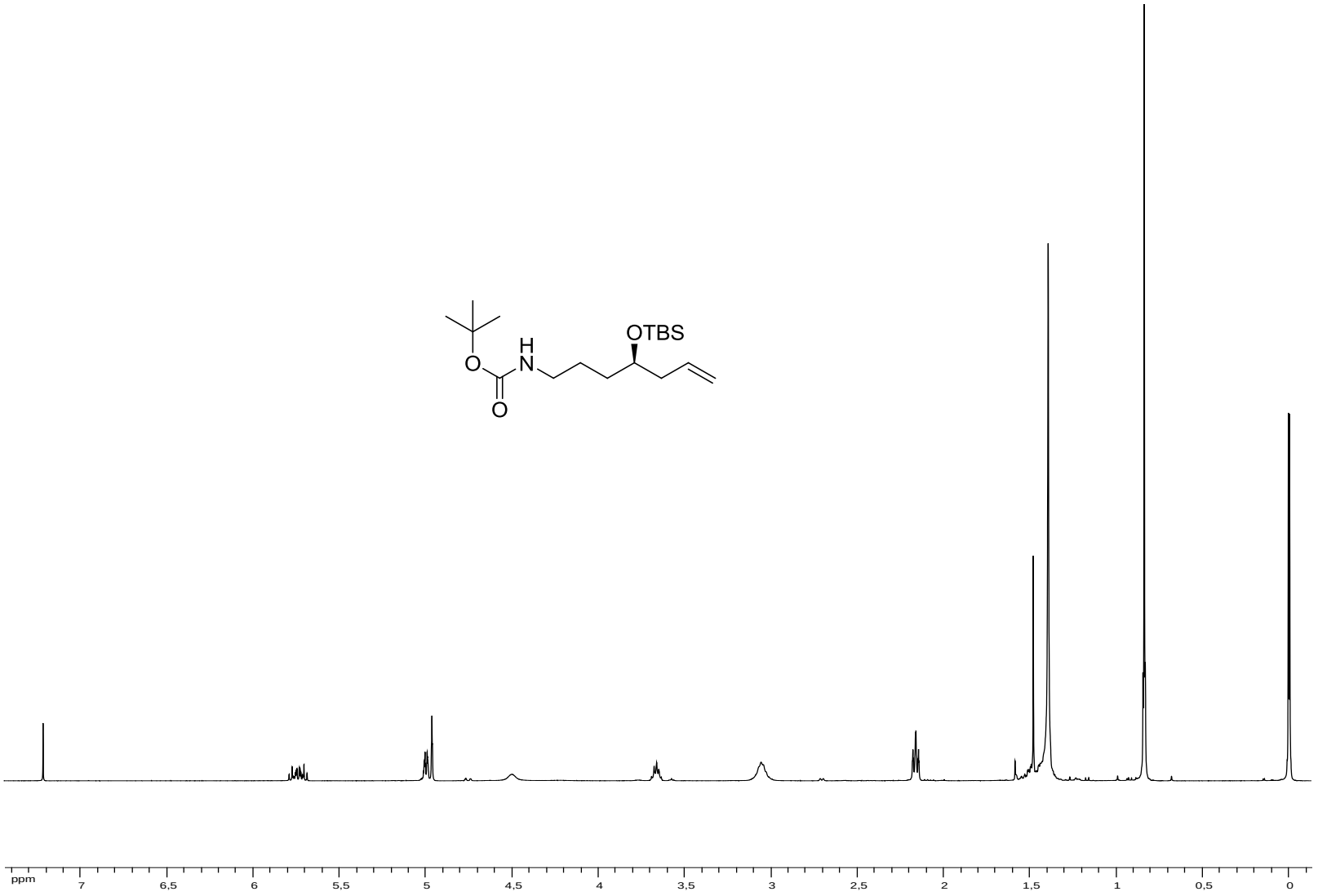
^{1}H spectrum of compound SI-18



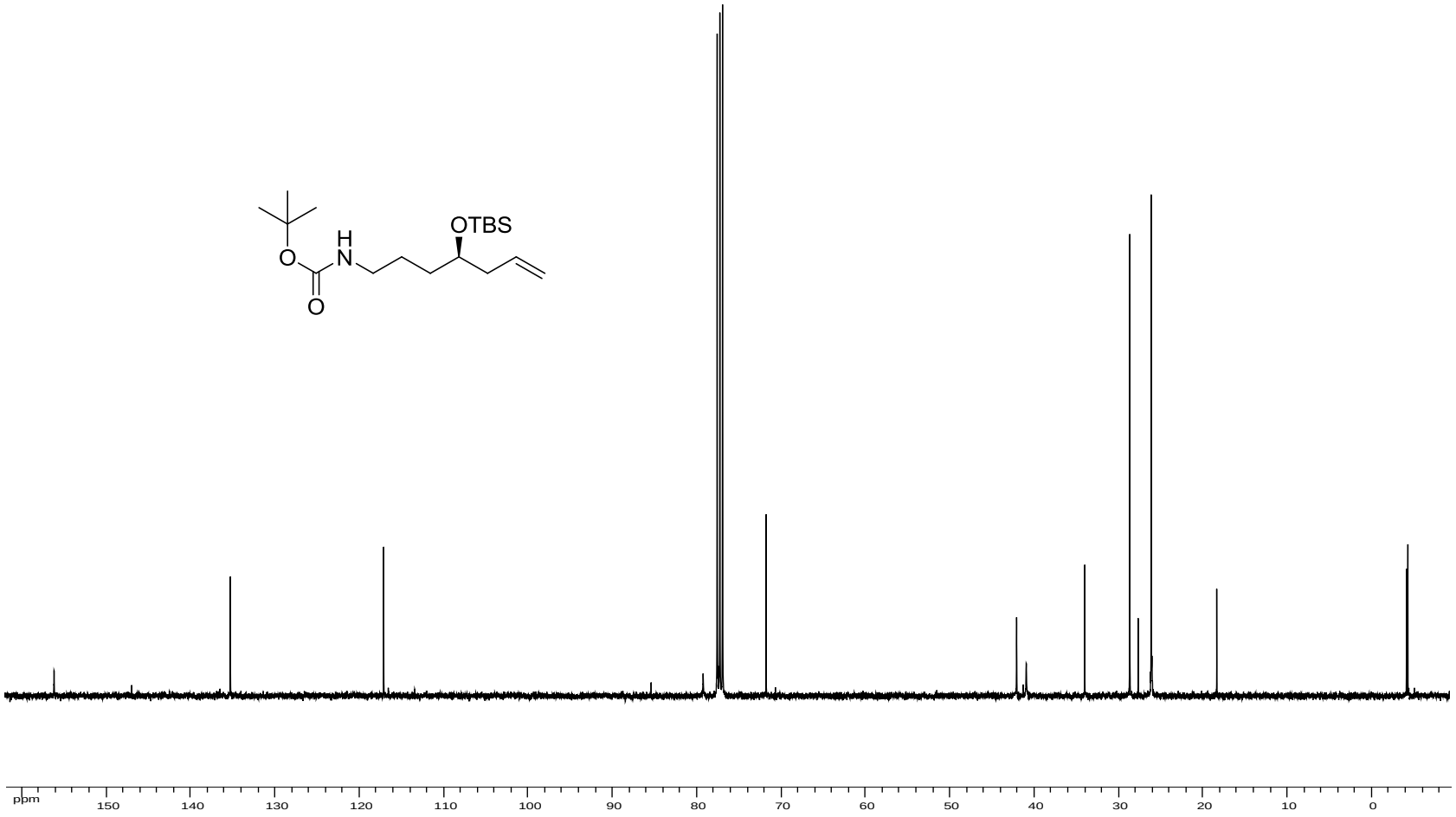
^{13}C spectrum of compound SI-18



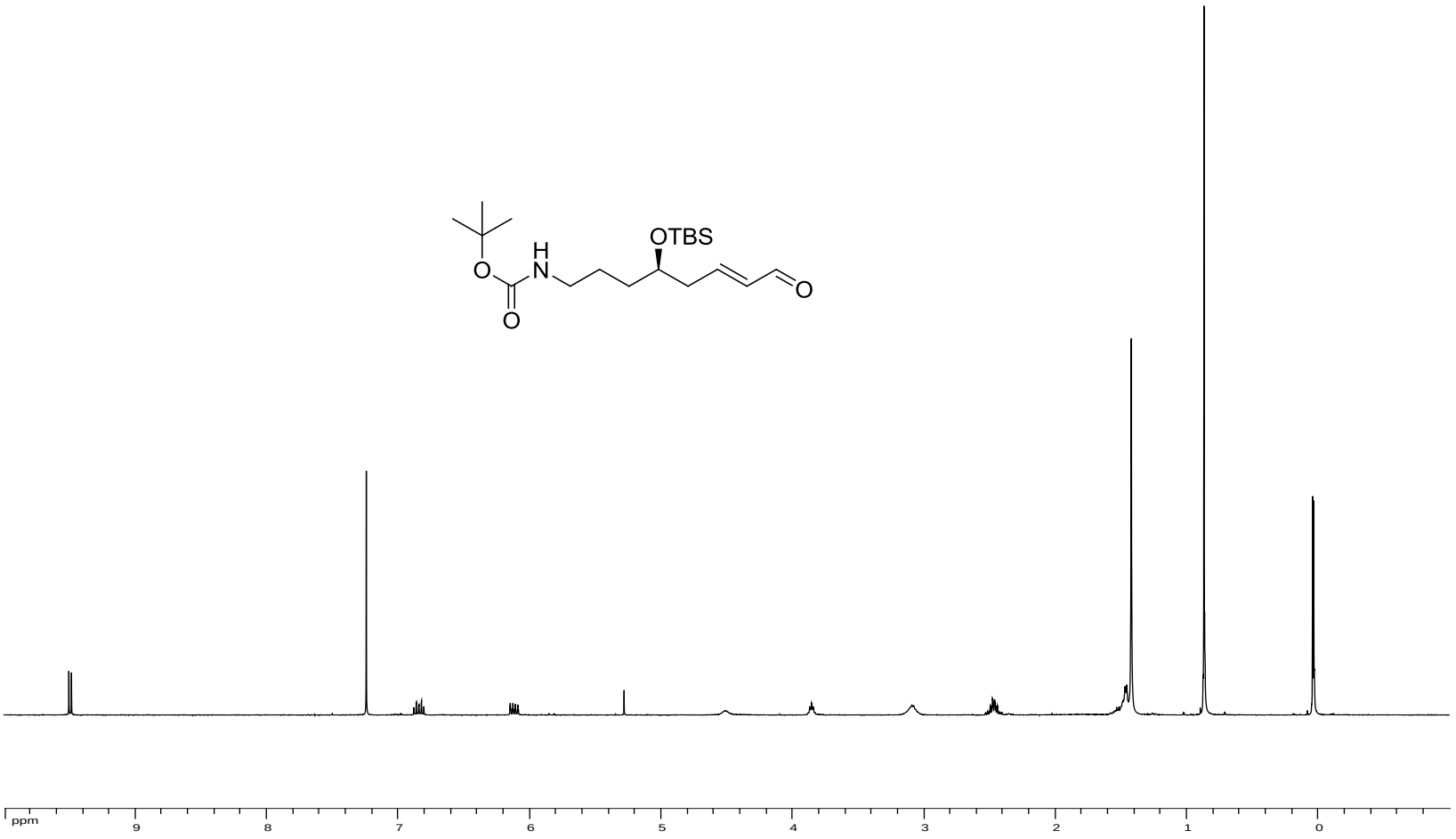
^{1}H spectrum of compound SI-19



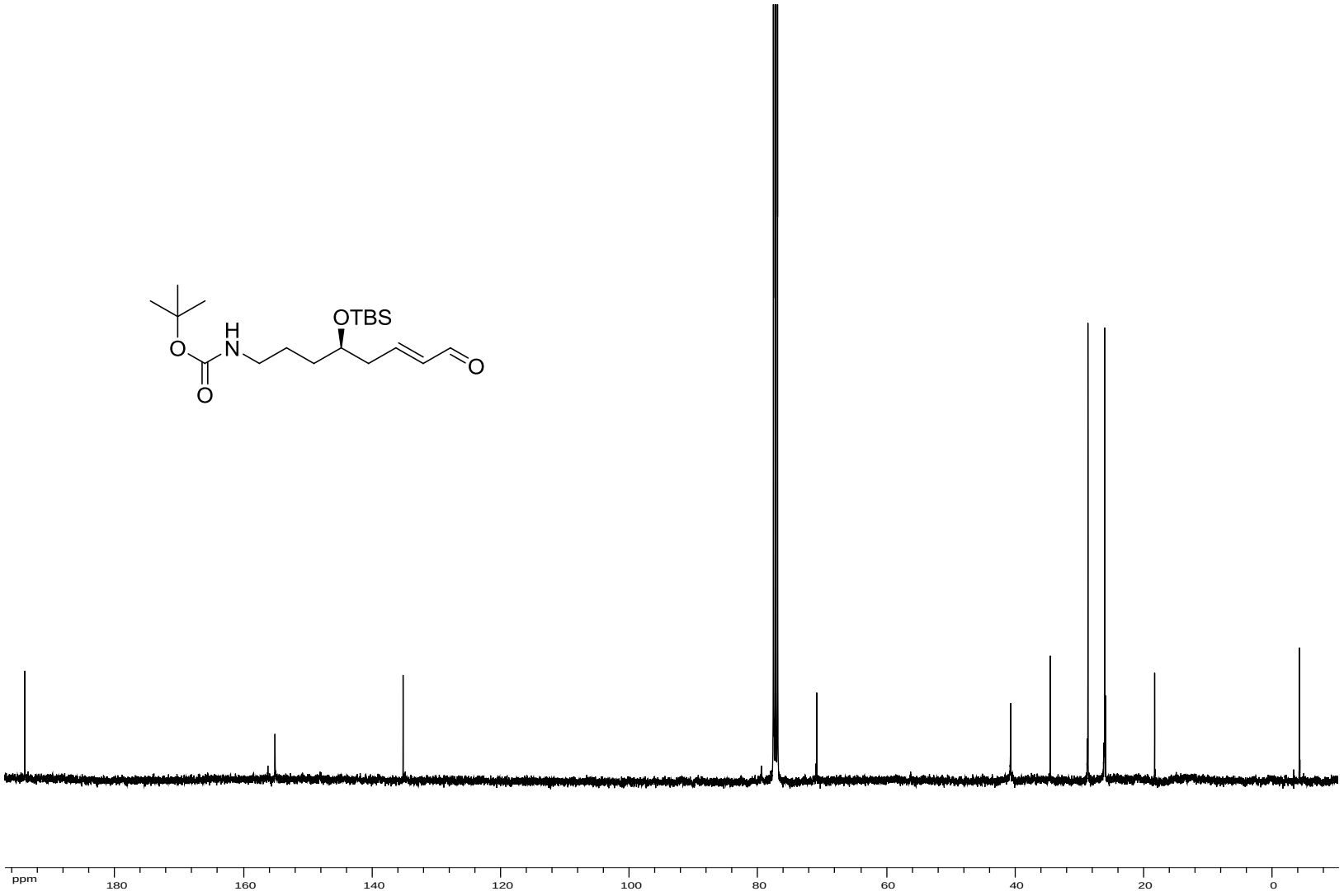
^{13}C spectrum of compound SI-19



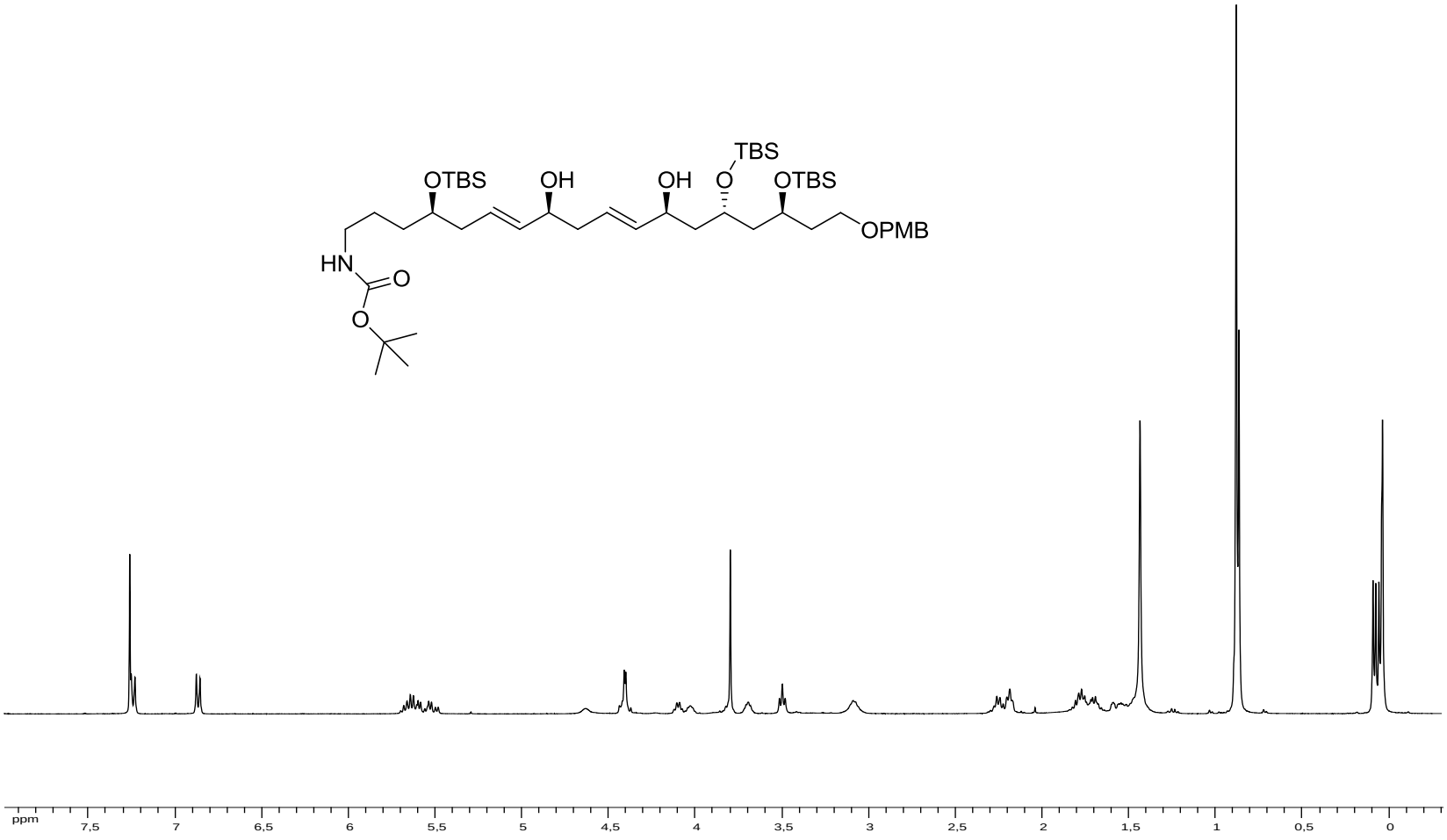
^{1}H spectrum of compound 17



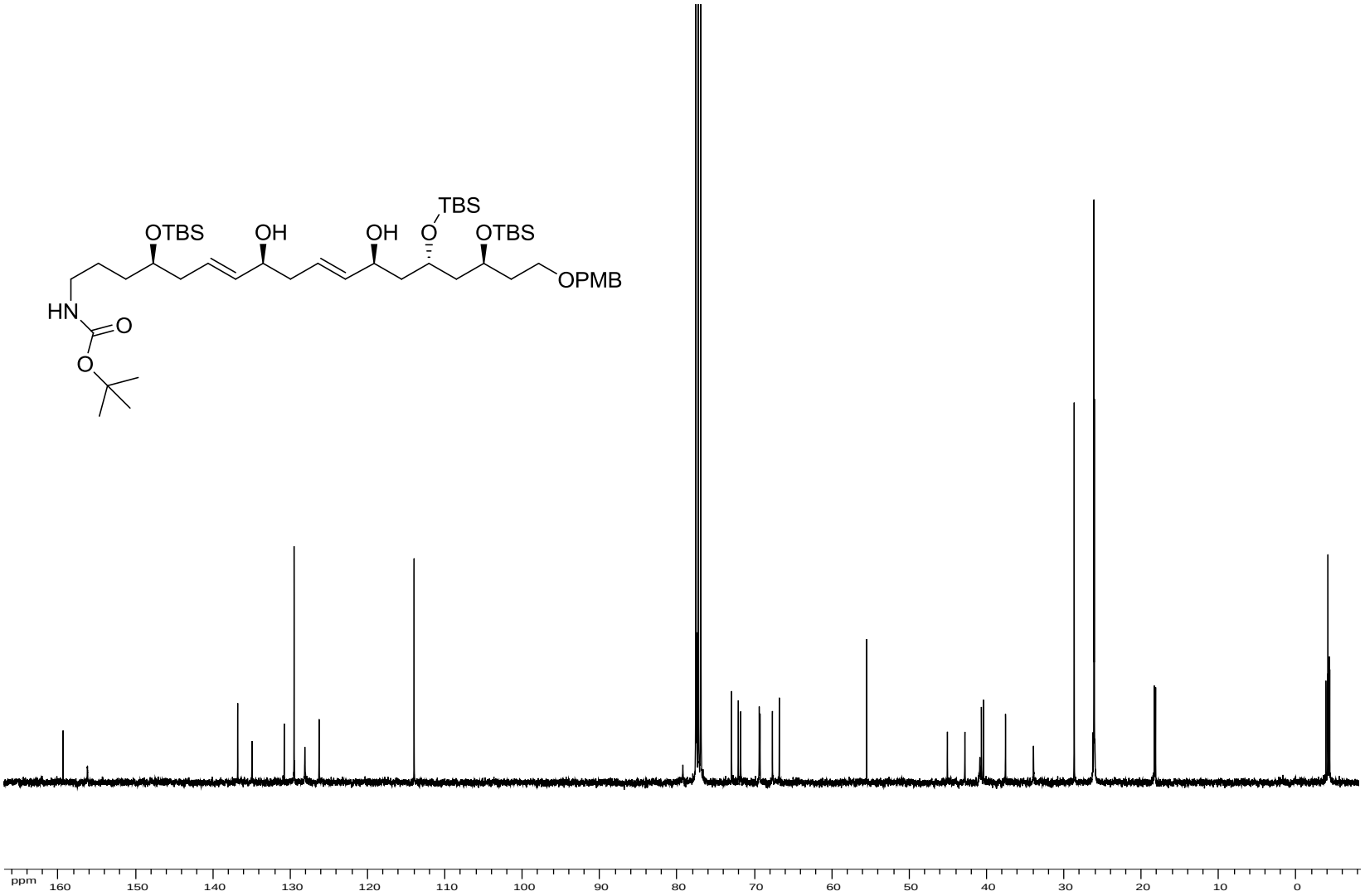
^{13}C spectrum of compound 17



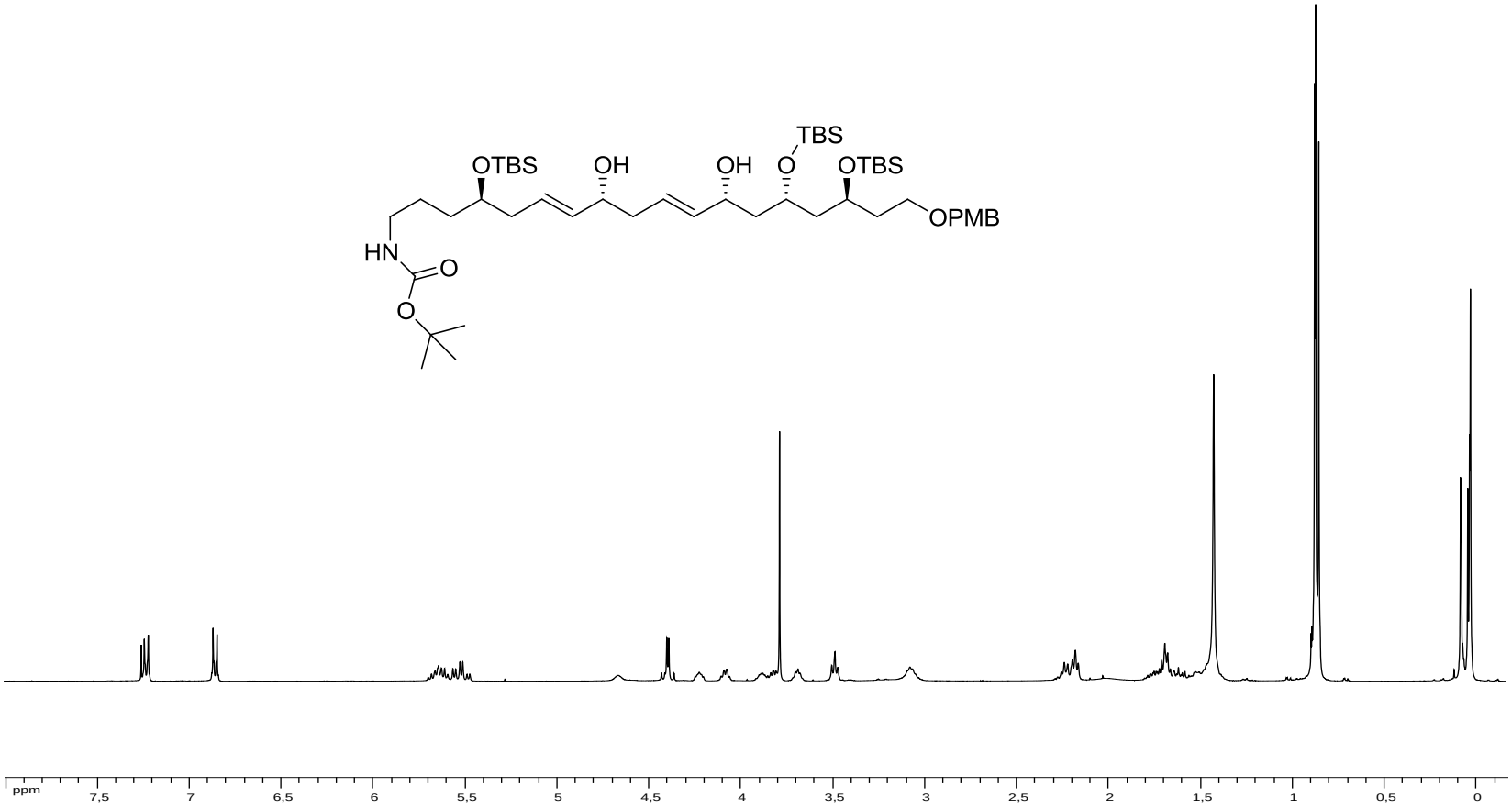
^{1}H spectrum of compound 19



^{13}C spectrum of compound 19



^{1}H spectrum of compound 20



^{13}C spectrum of compound 20