Supporting Information

Indirect Trapping of the Retro-Conjugate Addition Reaction Intermediate Involved in the Epimerization of Lobeline: Application to the Synthesis of (-)-Sedamine

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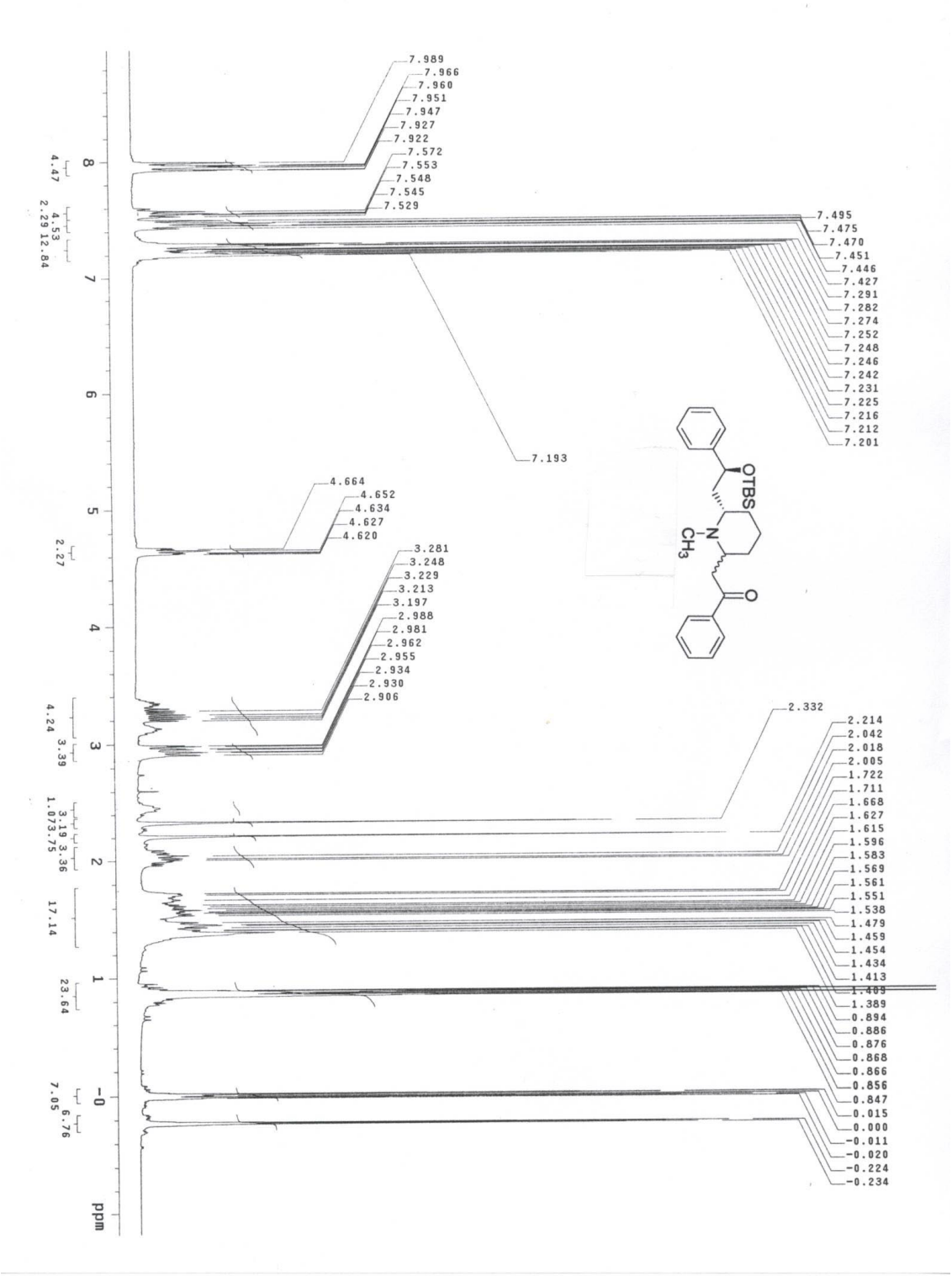
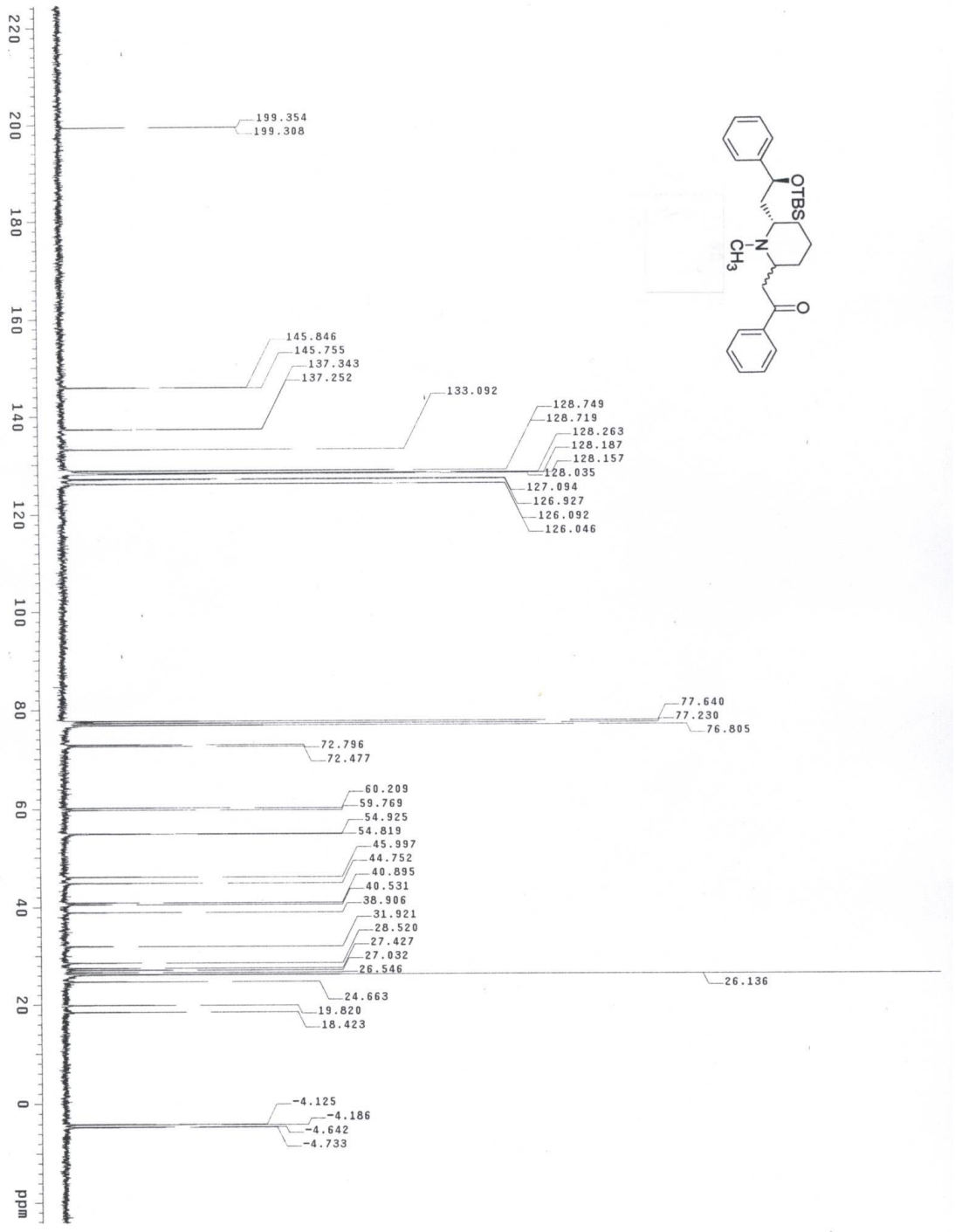
General Methods. Reagents obtained from commercial sources were used without further purification. Flash column chromatography was carried out using ICN SilicTech 32-63, 60 Å silica gel. TLC analysis was carried on glass plates precoated with silica gel 60 F_{254}. Melting points were determined on a melting point apparatus and are uncorrected. NMR data were obtained for ^{1}H at 300MHz and ^{13}C at 75 MHz using $CDCl_3$ as solvent and are reported in ppm relative to TMS as internal standard. High resolution electron impact ionization mass spectra were recorded at 70eV at a resolution of greater than 10000.

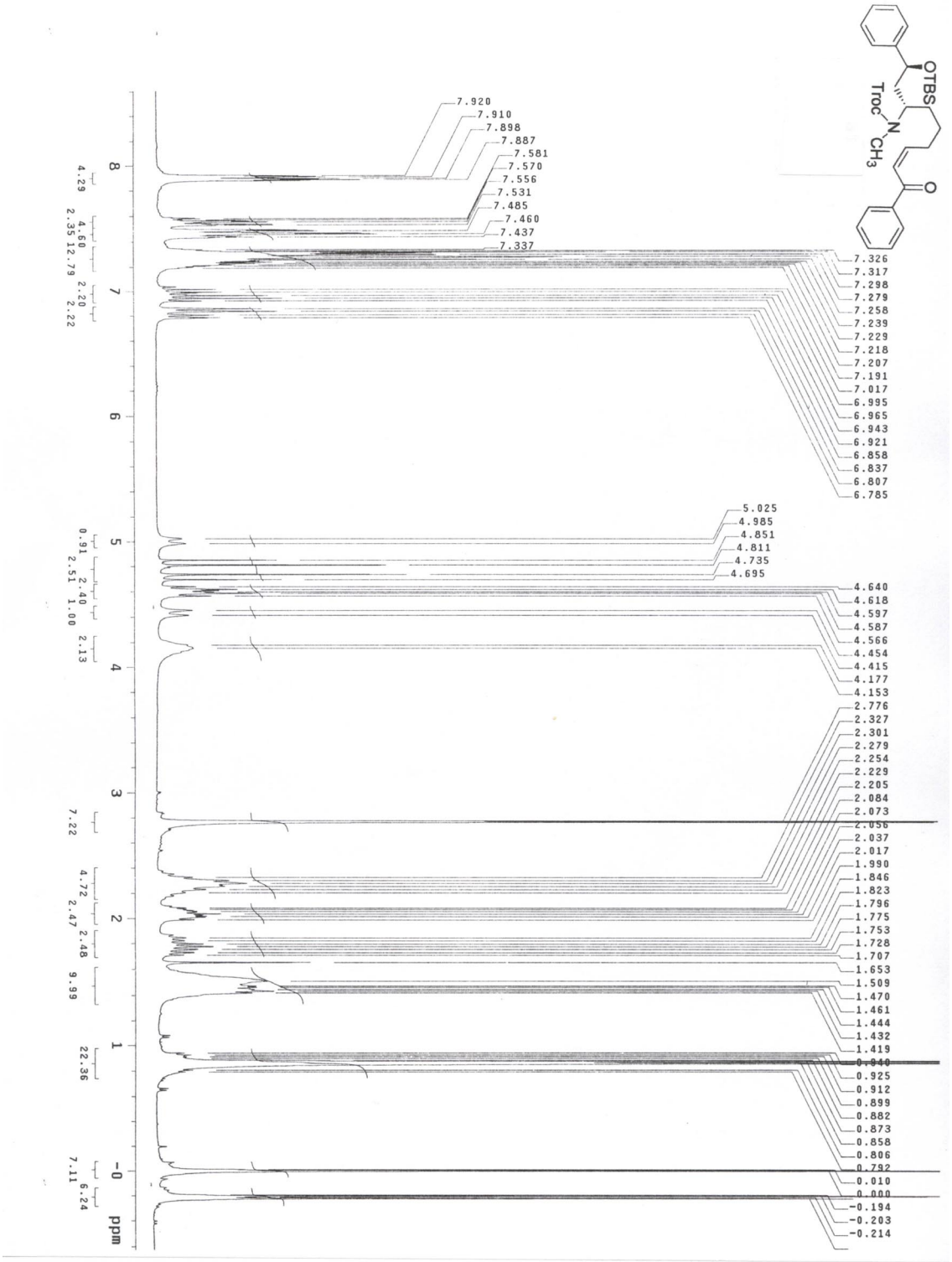
^{1}H NMR spectrum of **5** ($CDCl_3$, 300 MHz)



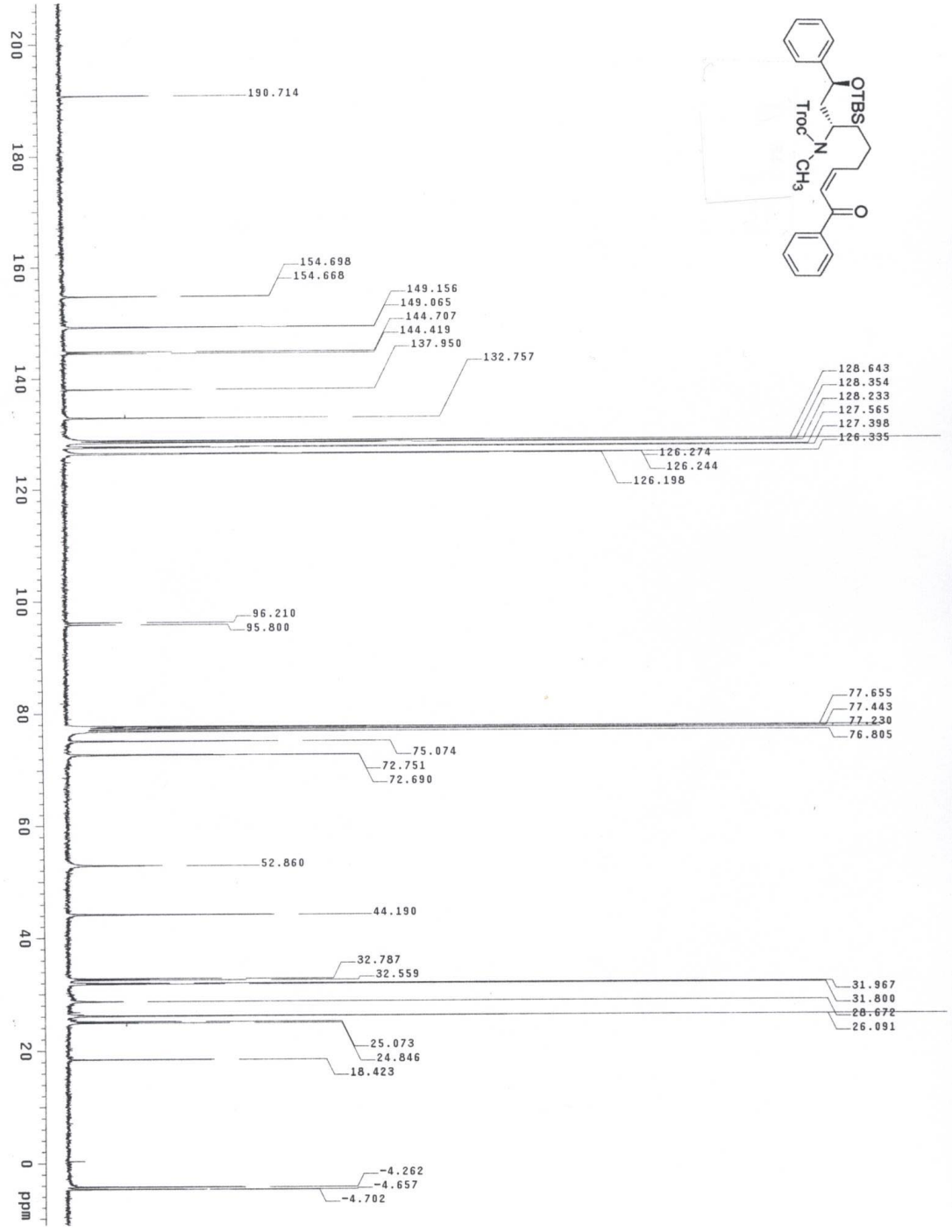
^{13}C NMR spectrum of **5** ($CDCl_3$, 75 MHz)



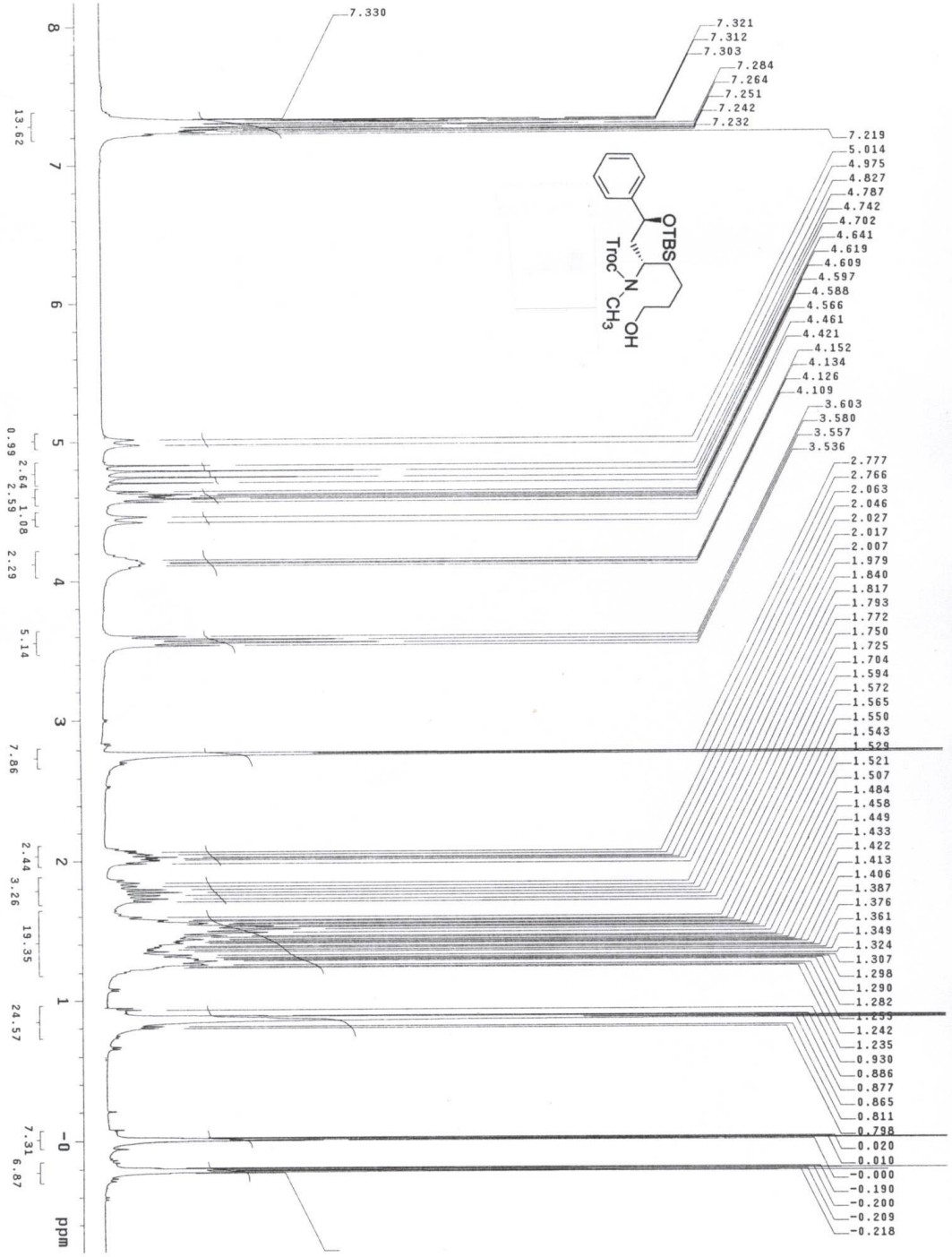
^{1}H NMR spectrum of **6** ($CDCl_3$, 300 MHz)



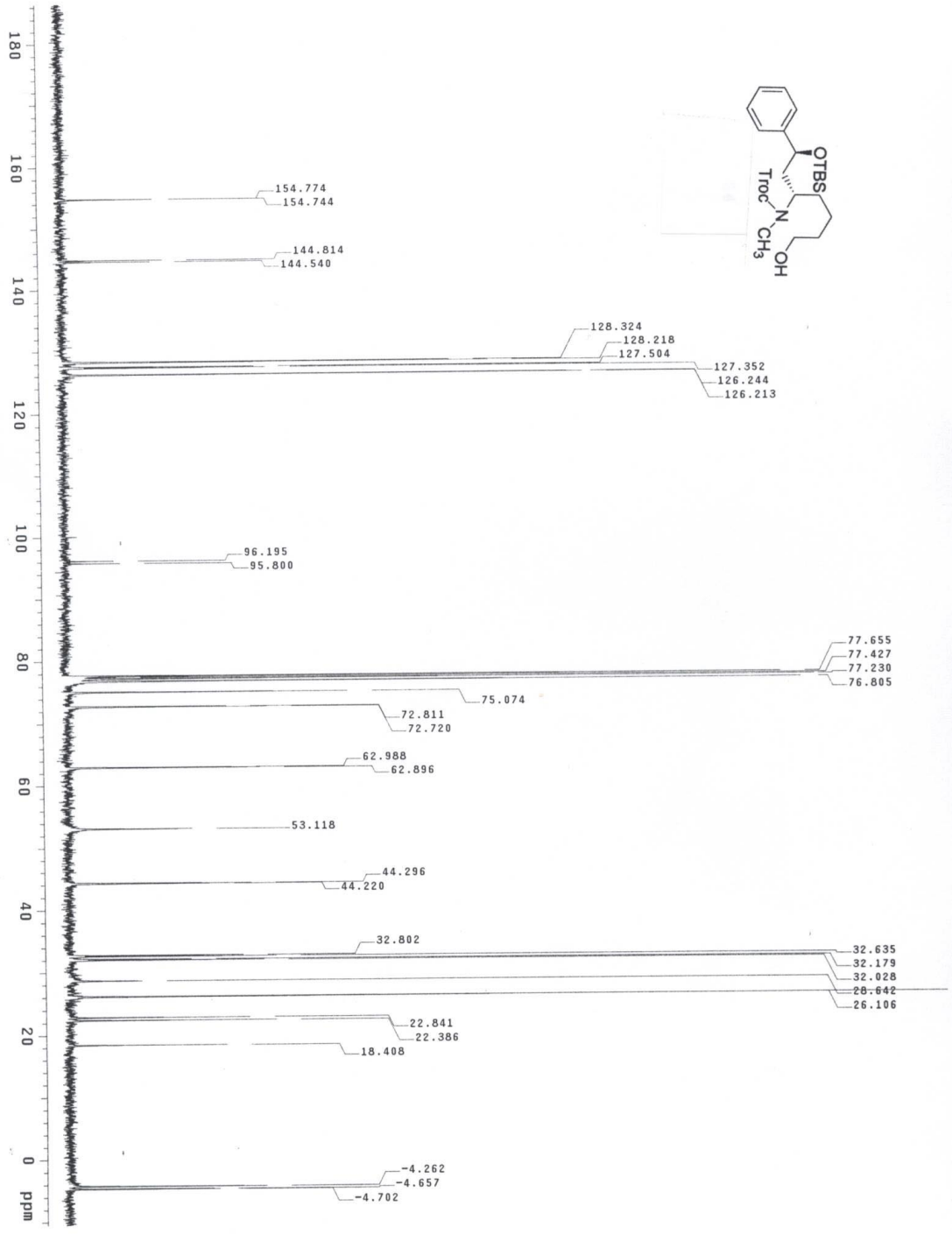
^{13}C NMR spectrum of **6** ($CDCl_3$, 75 MHz)



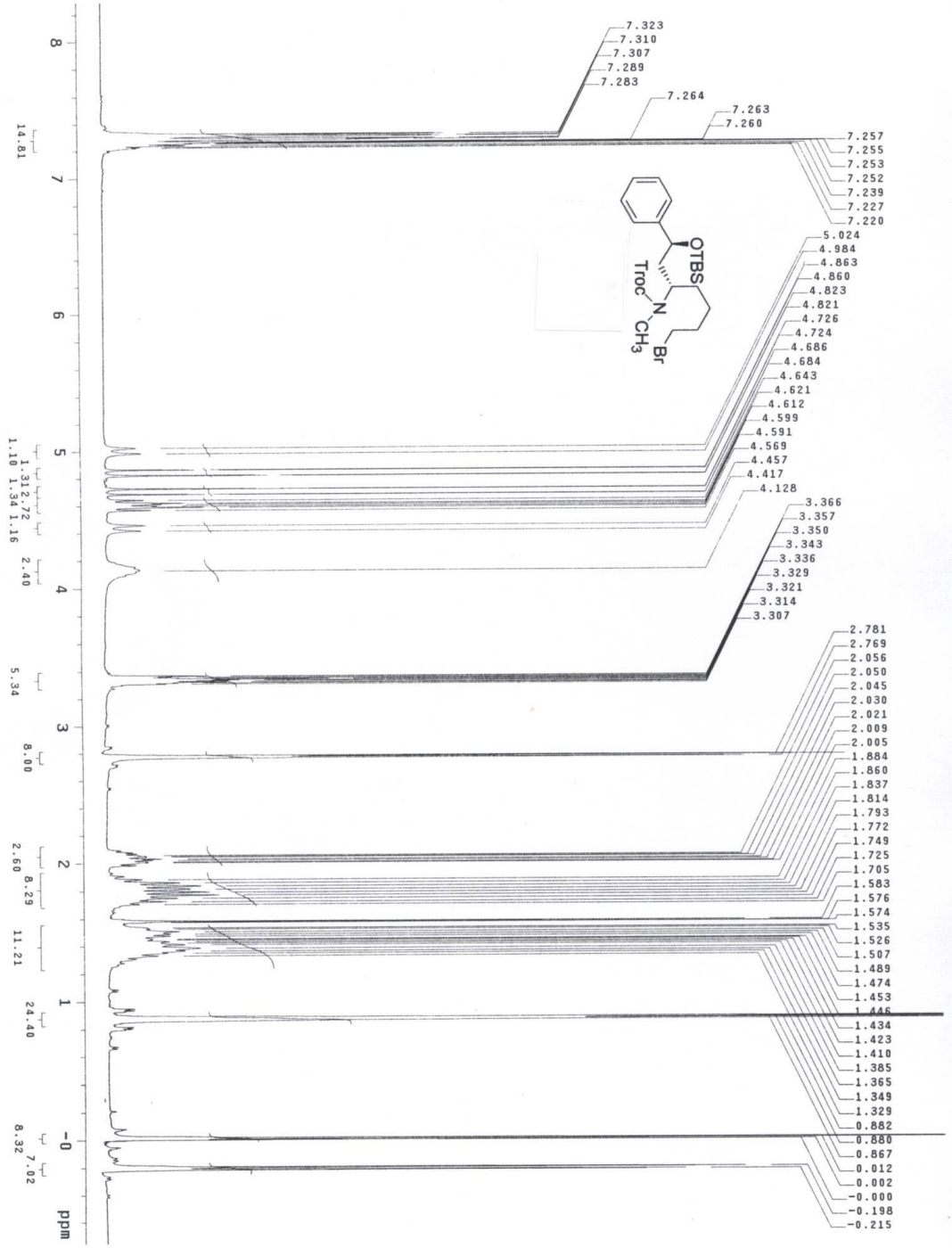
^{1}H NMR spectrum of **8** ($CDCl_3$, 300 MHz)



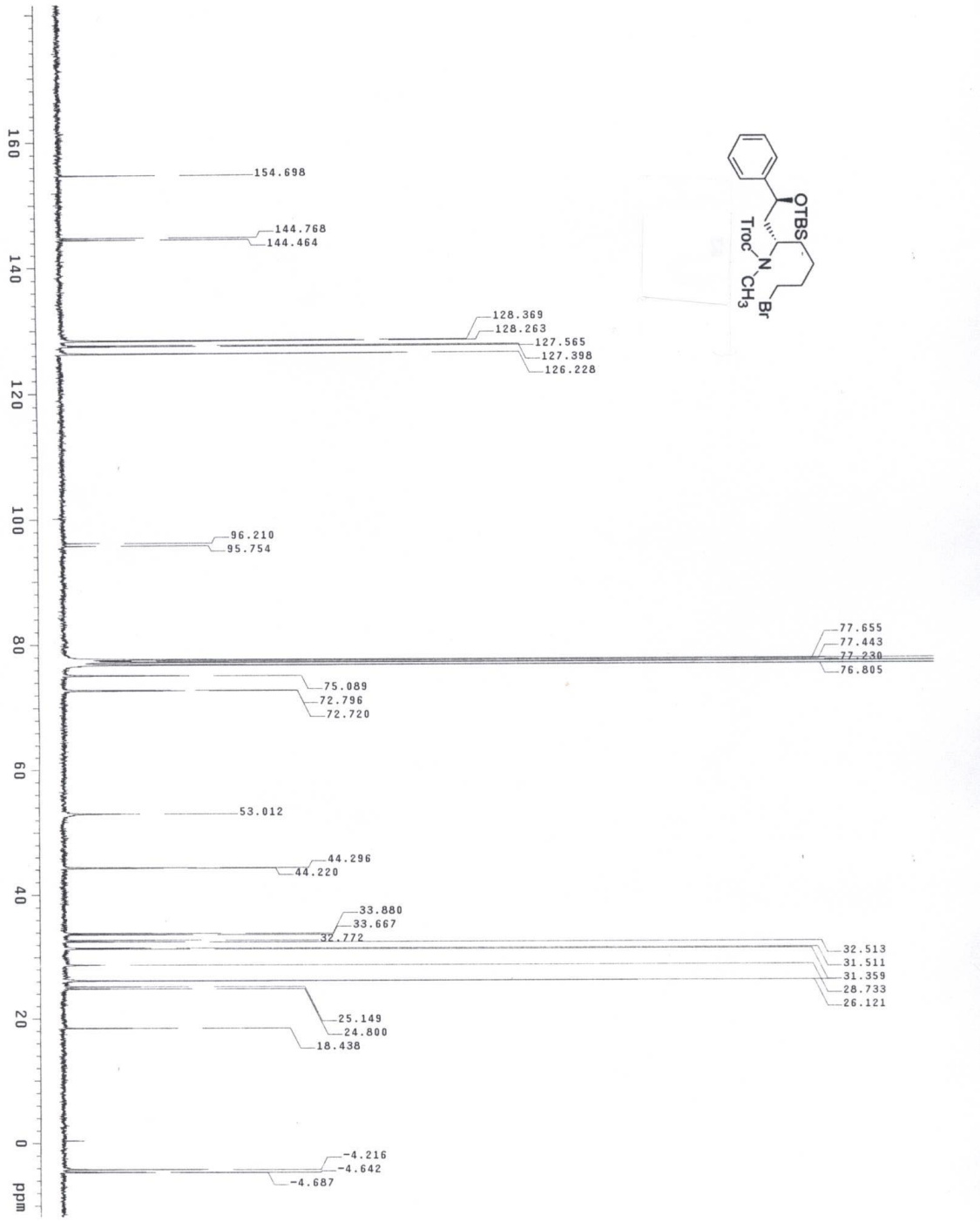
^{13}C NMR spectrum of **8** ($CDCl_3$, 75 MHz)



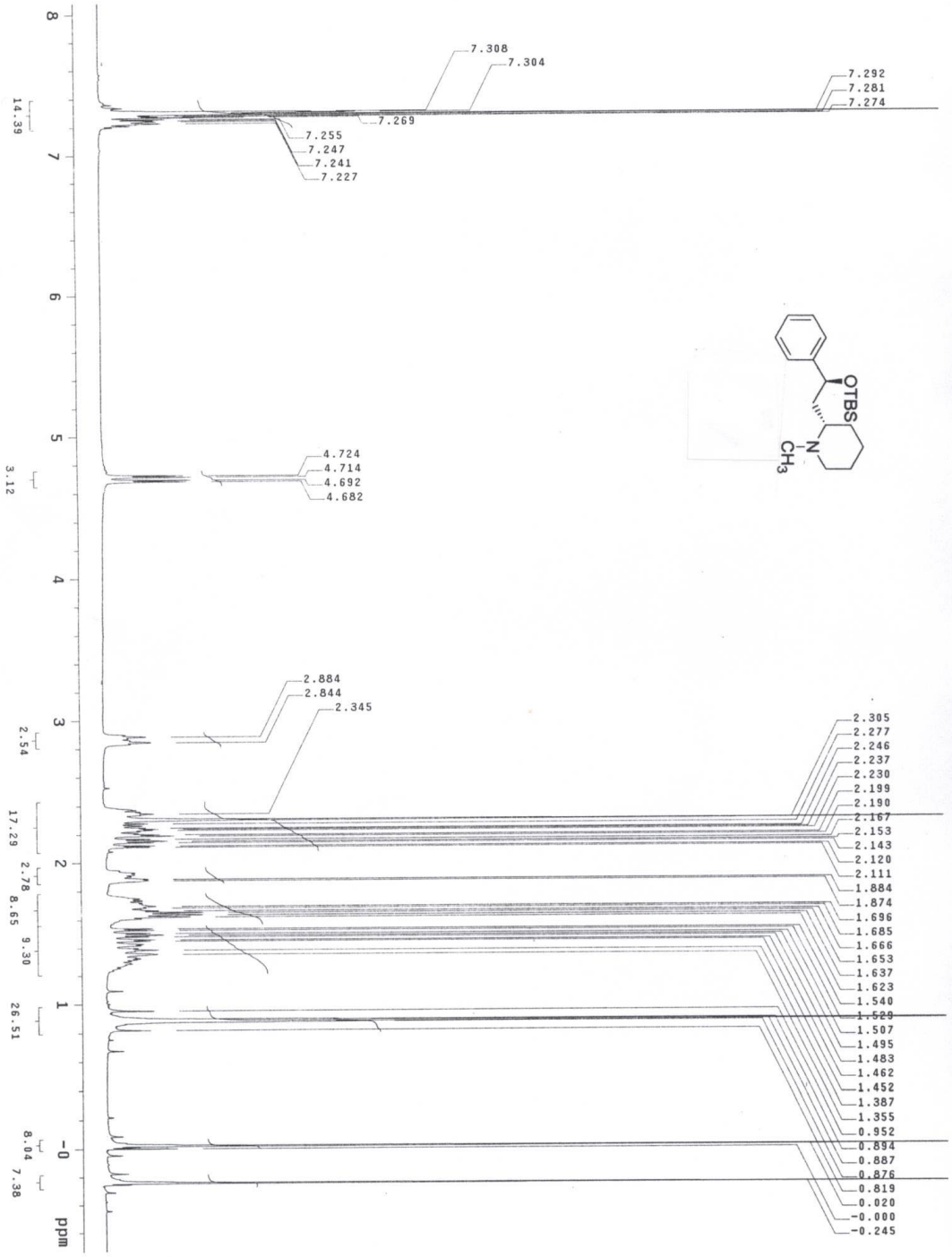
^{1}H NMR spectrum of **9** ($CDCl_3$, 300 MHz)



^{13}C NMR spectrum of **9** ($CDCl_3$, 75 MHz)



^{1}H NMR spectrum of **10** ($CDCl_3$, 300 MHz)



^{13}C NMR spectrum of **10** ($CDCl_3$, 75 MHz)