

Stereoselective Synthesis of the Northern Hemisphere of Proposed Structure of Neaumycin B

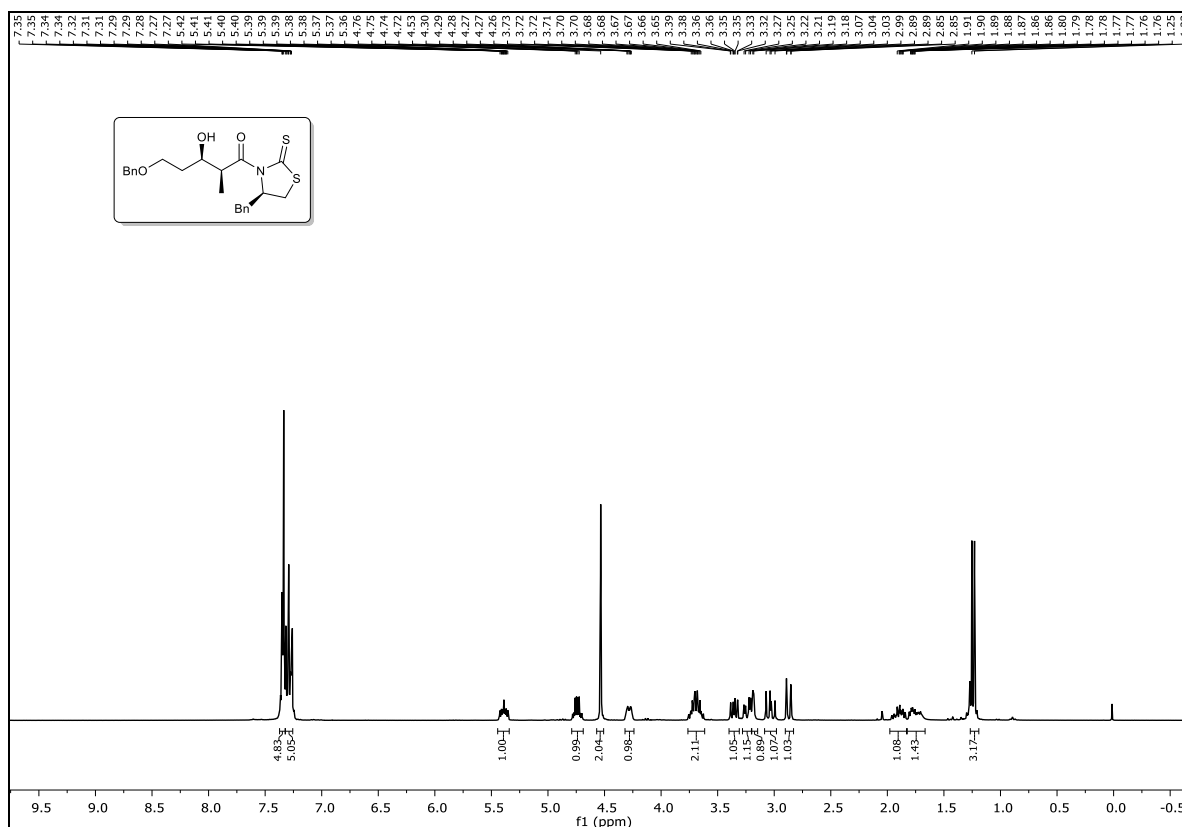
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Indian Association for the Cultivation of Science, Jadavpur,
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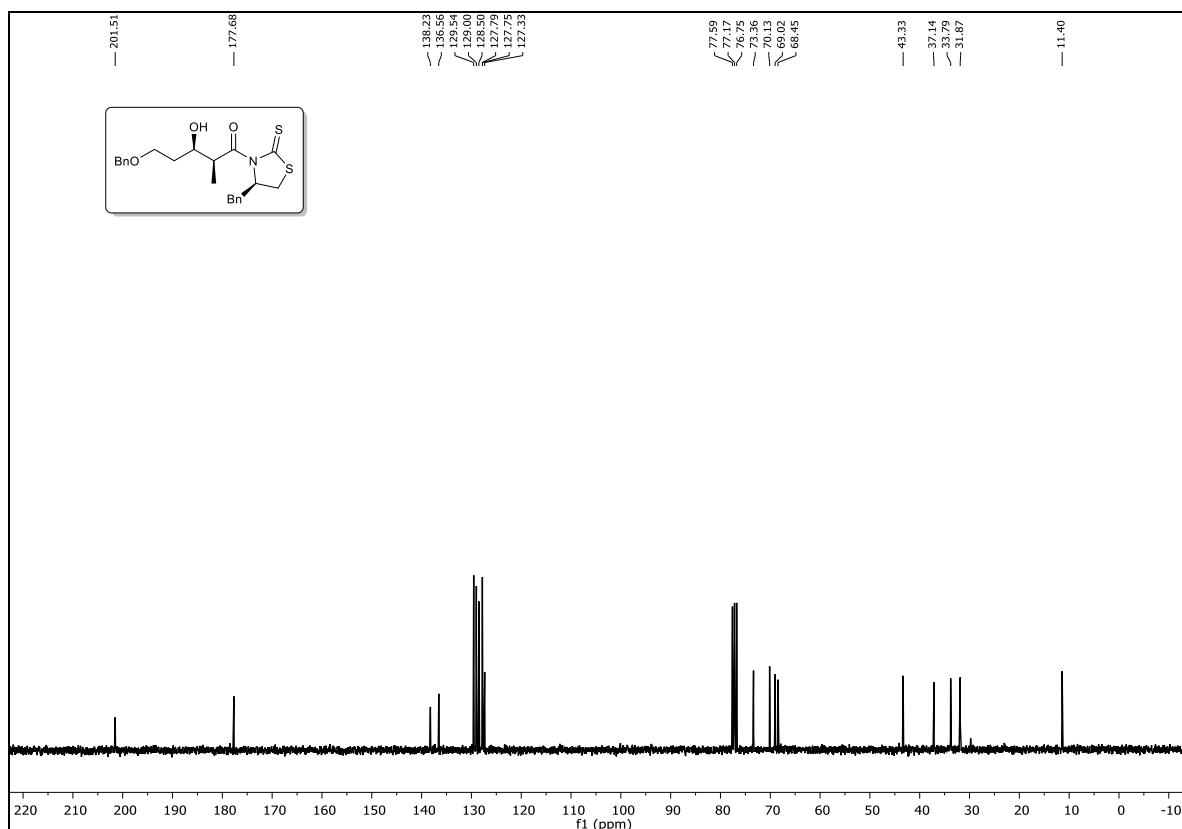
Supporting Information

Copies of ^1H NMR, ^{13}C NMR, 2D NMR and HRMS Spectra

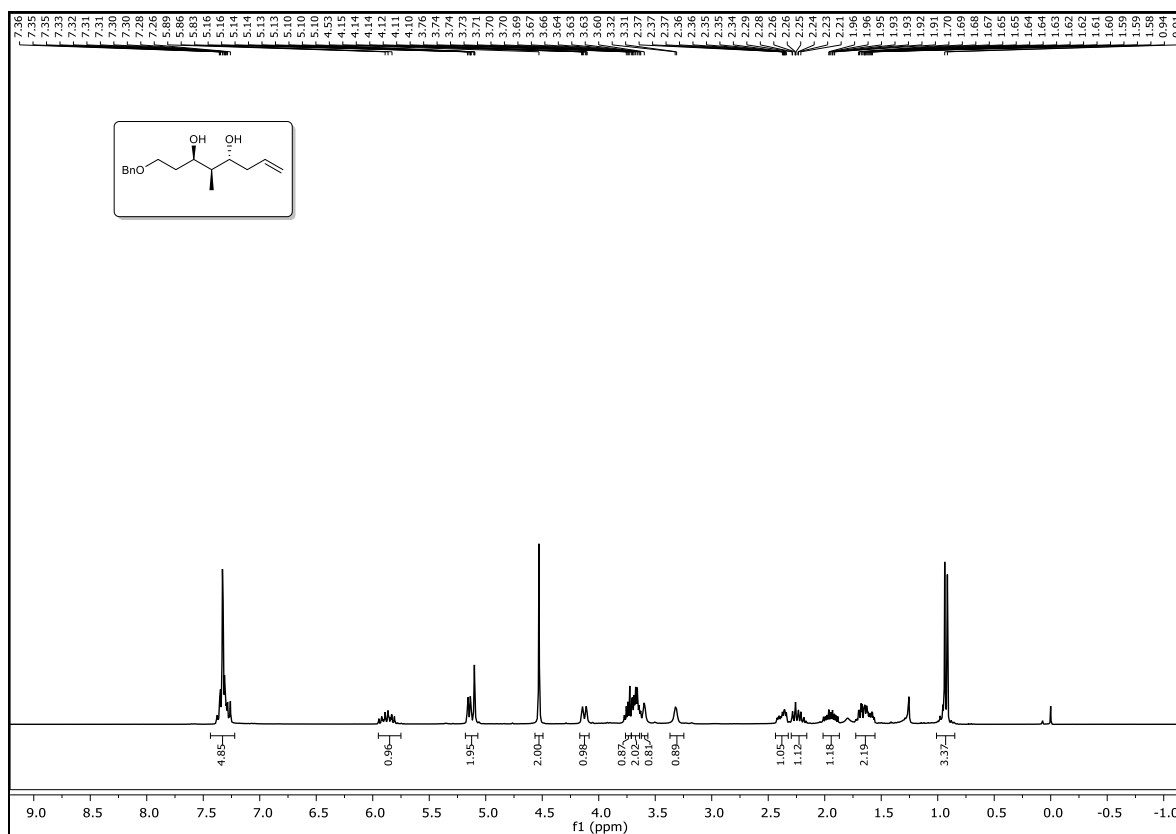
¹H NMR spectrum of compound 8 (300 MHz, CDCl₃):



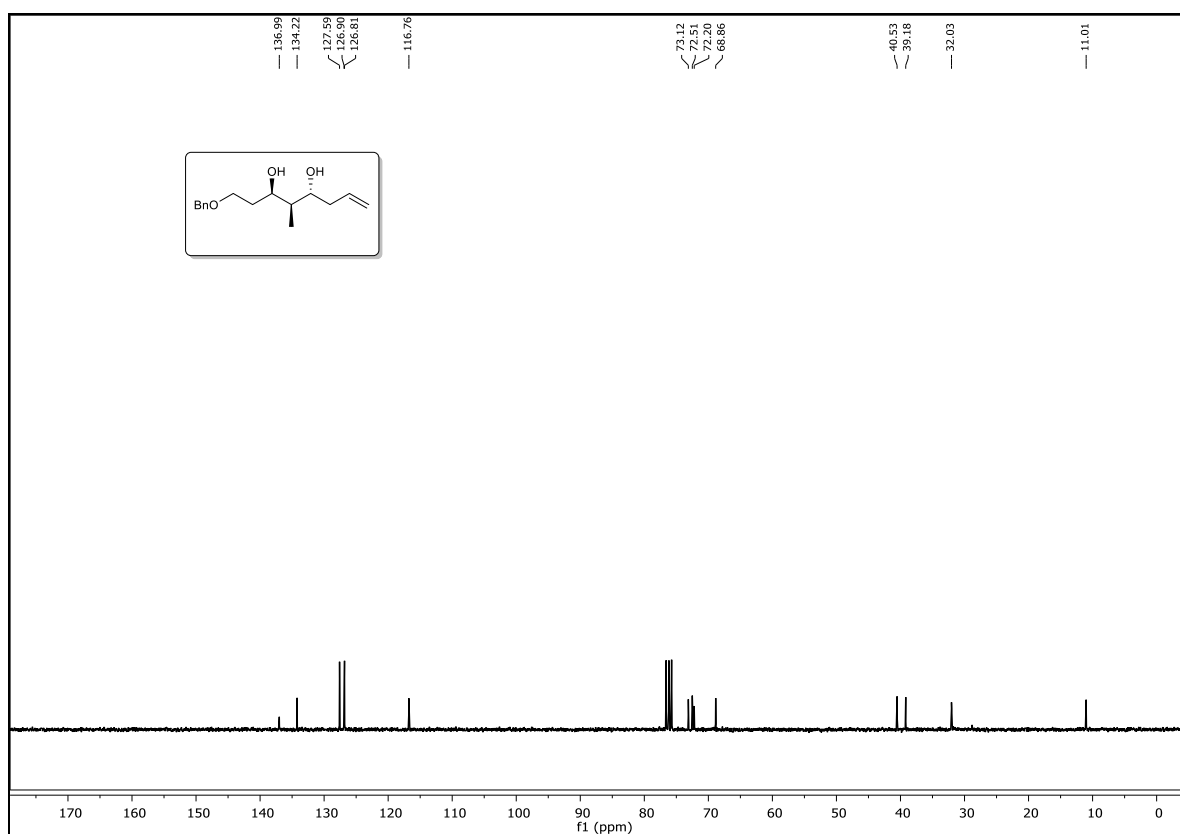
¹³C NMR spectrum of compound 8 (75 MHz, CDCl₃):



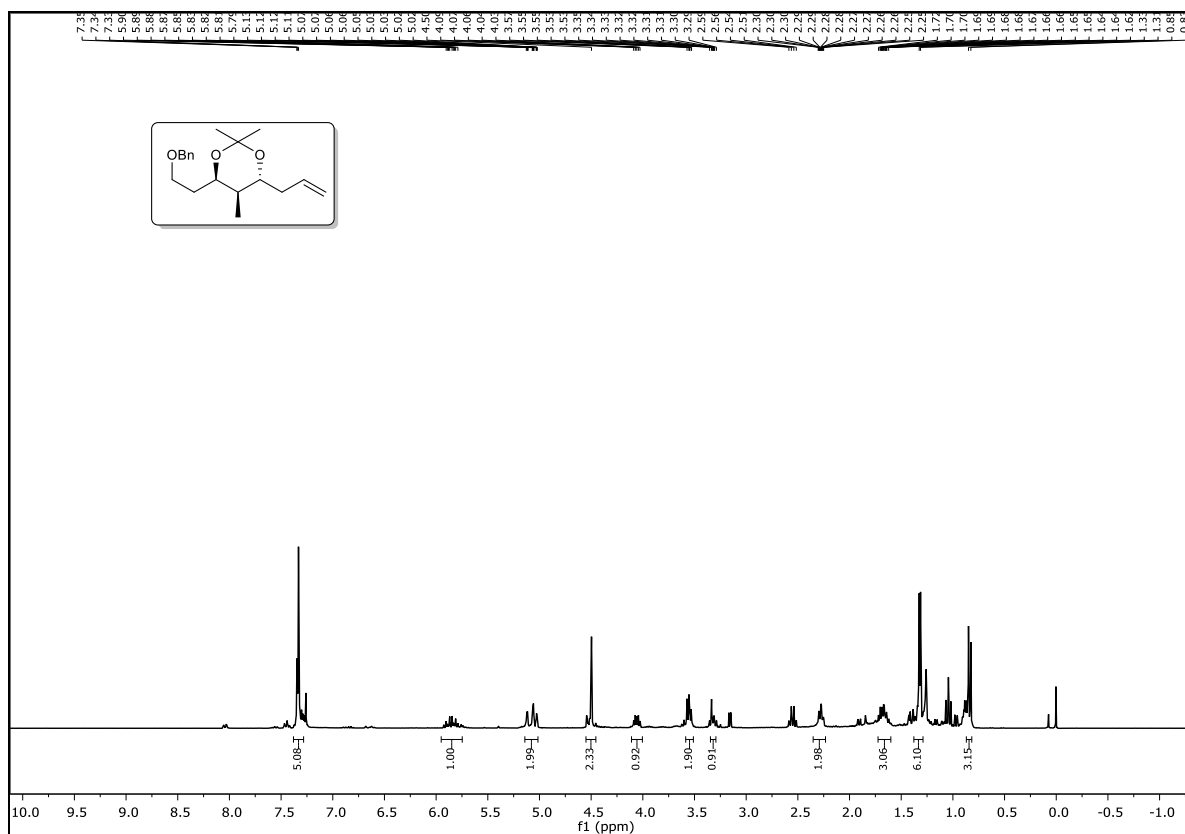
¹H NMR spectrum of compound 9 (300 MHz, CDCl₃):



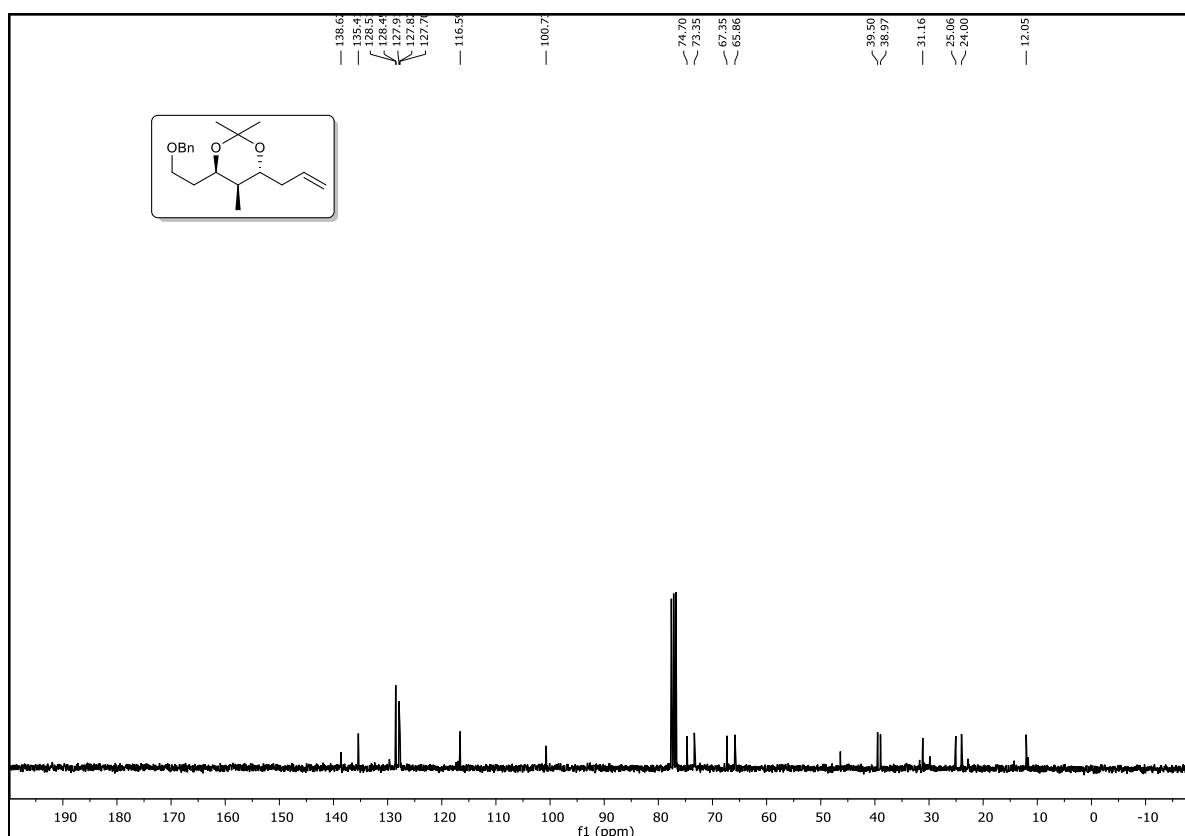
¹³C NMR spectrum of compound 9 (75 MHz, CDCl₃):



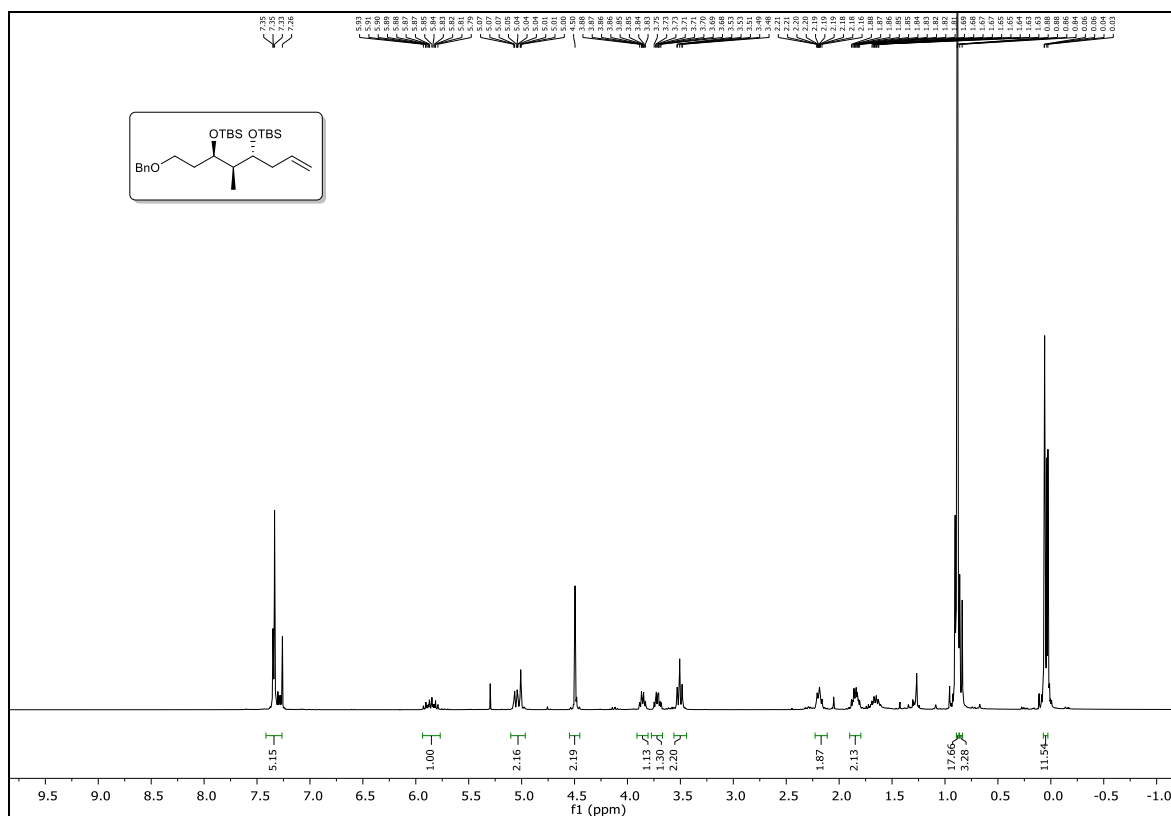
¹H NMR spectrum of compound 10 (300 MHz, CDCl₃):



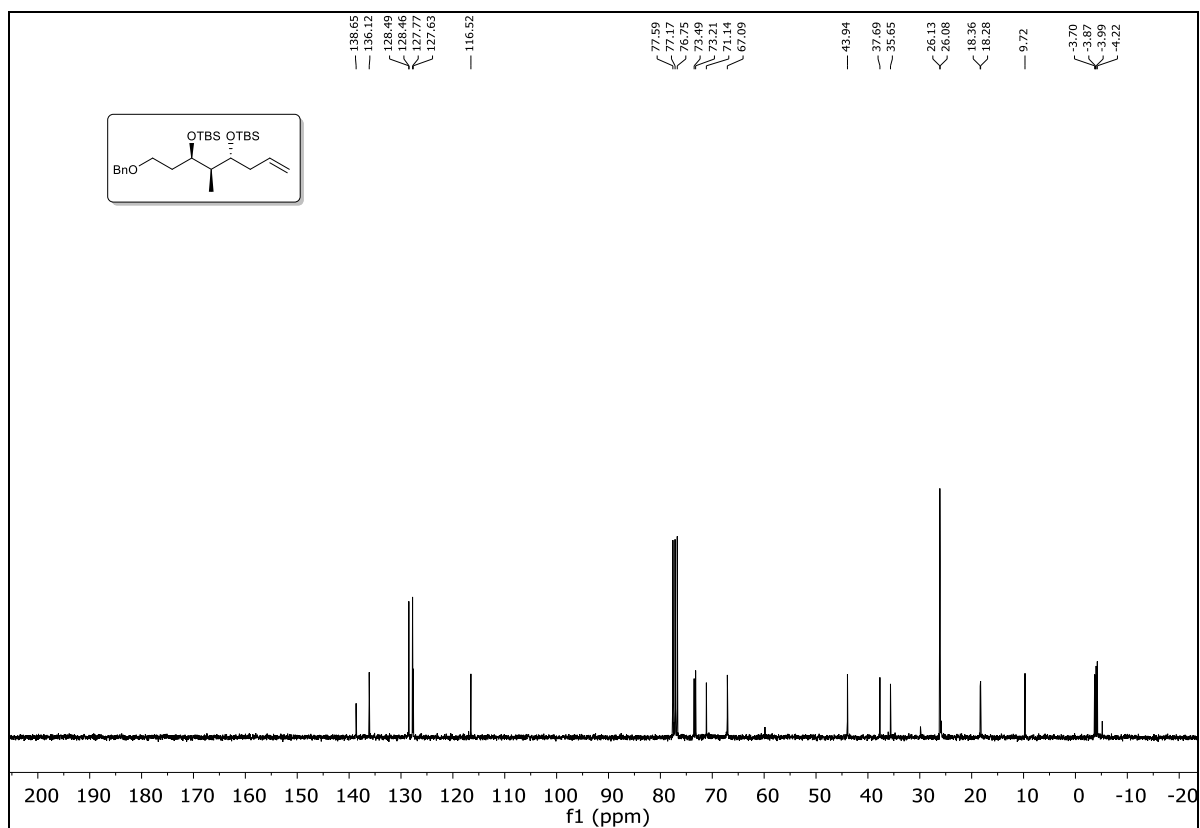
¹³C NMR spectrum of compound 10 (75 MHz, CDCl₃):



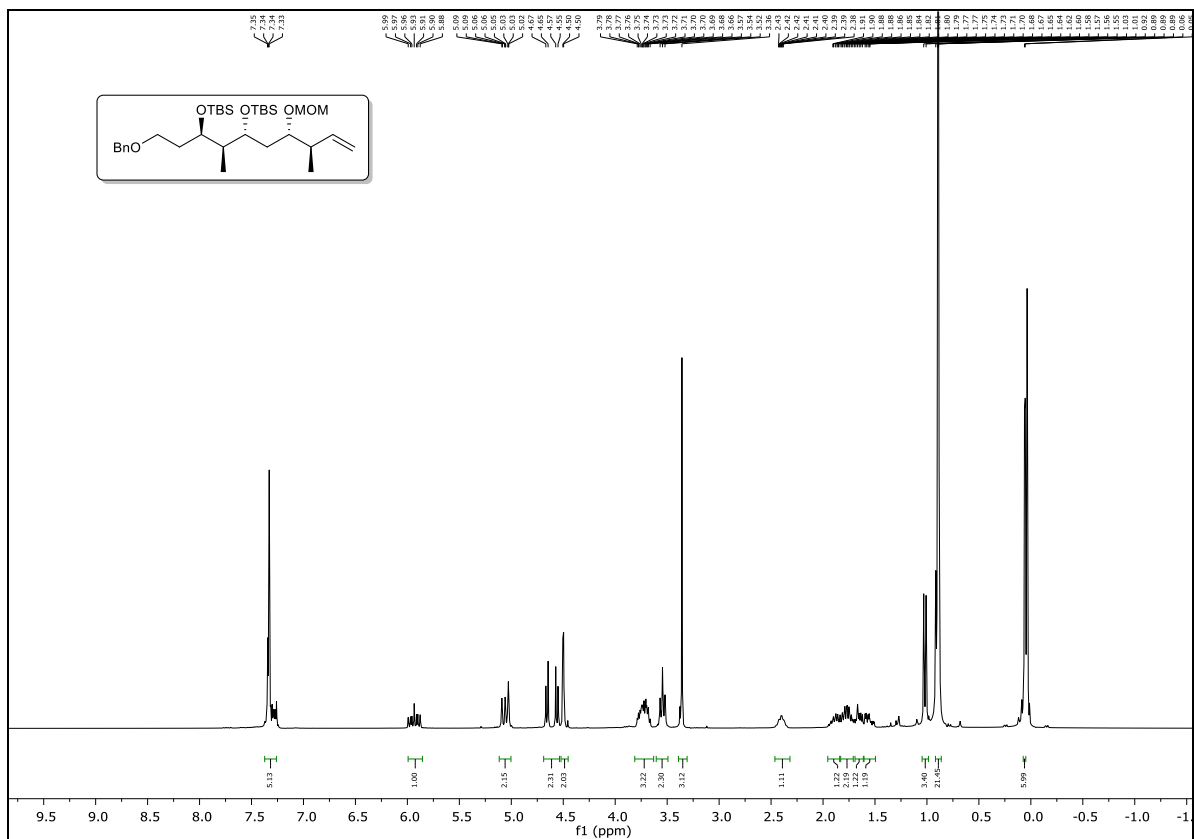
^1H NMR spectrum of compound 11 (300 MHz, CDCl_3):



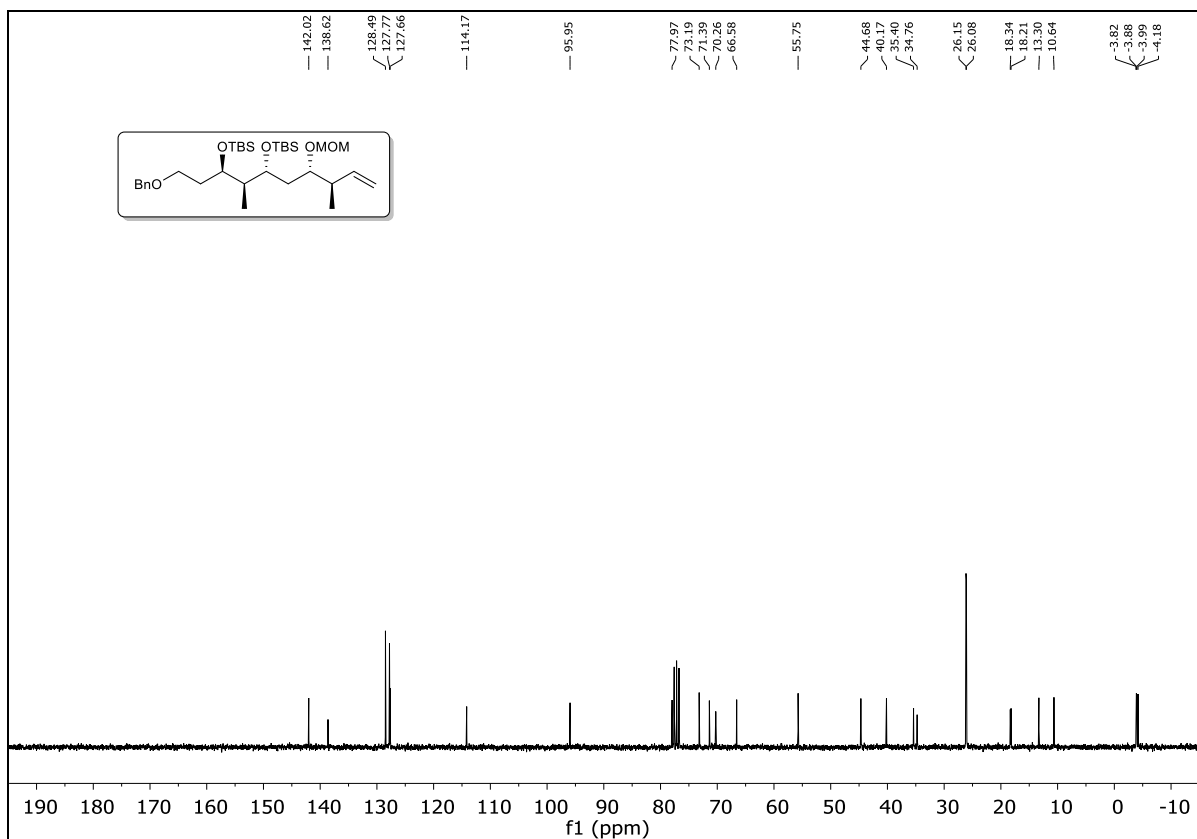
^{13}C NMR spectrum of compound 11 (75 MHz, CDCl_3):



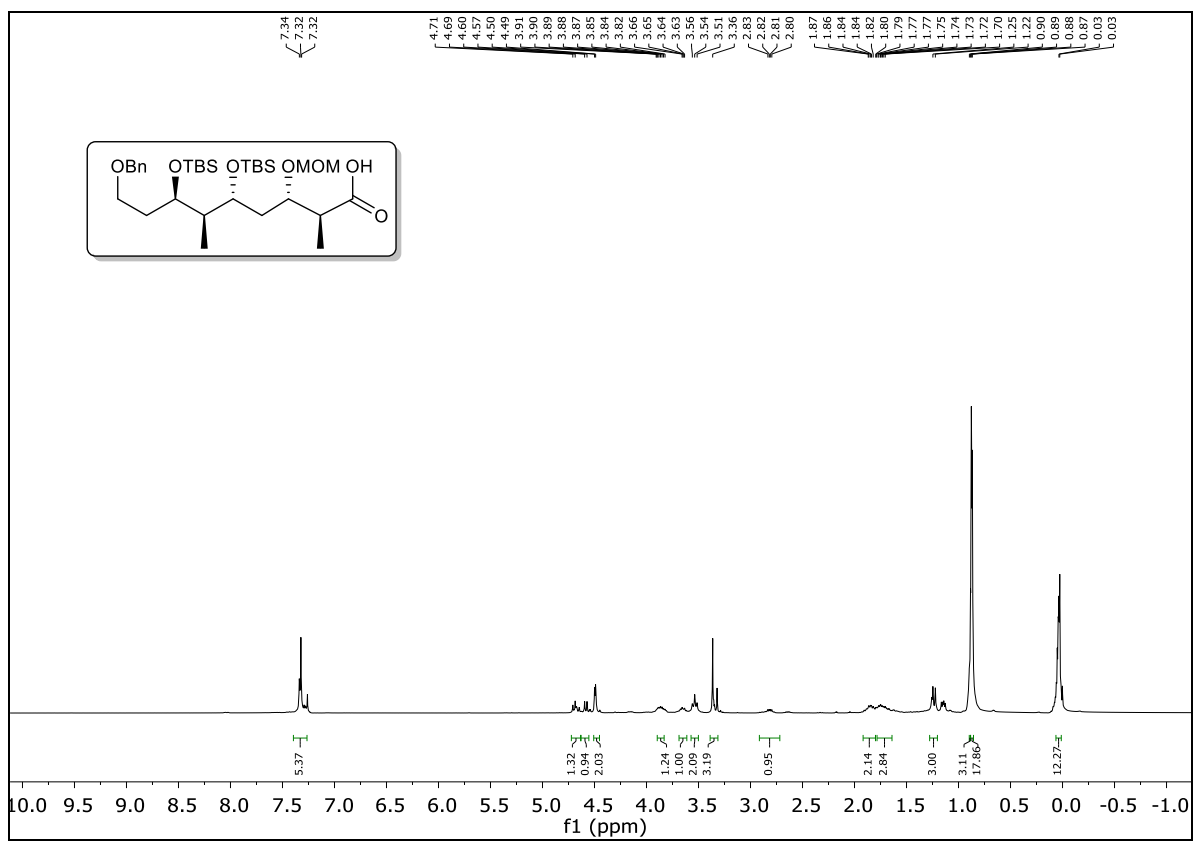
^1H NMR spectrum of compound 13 (400 MHz, CDCl_3):



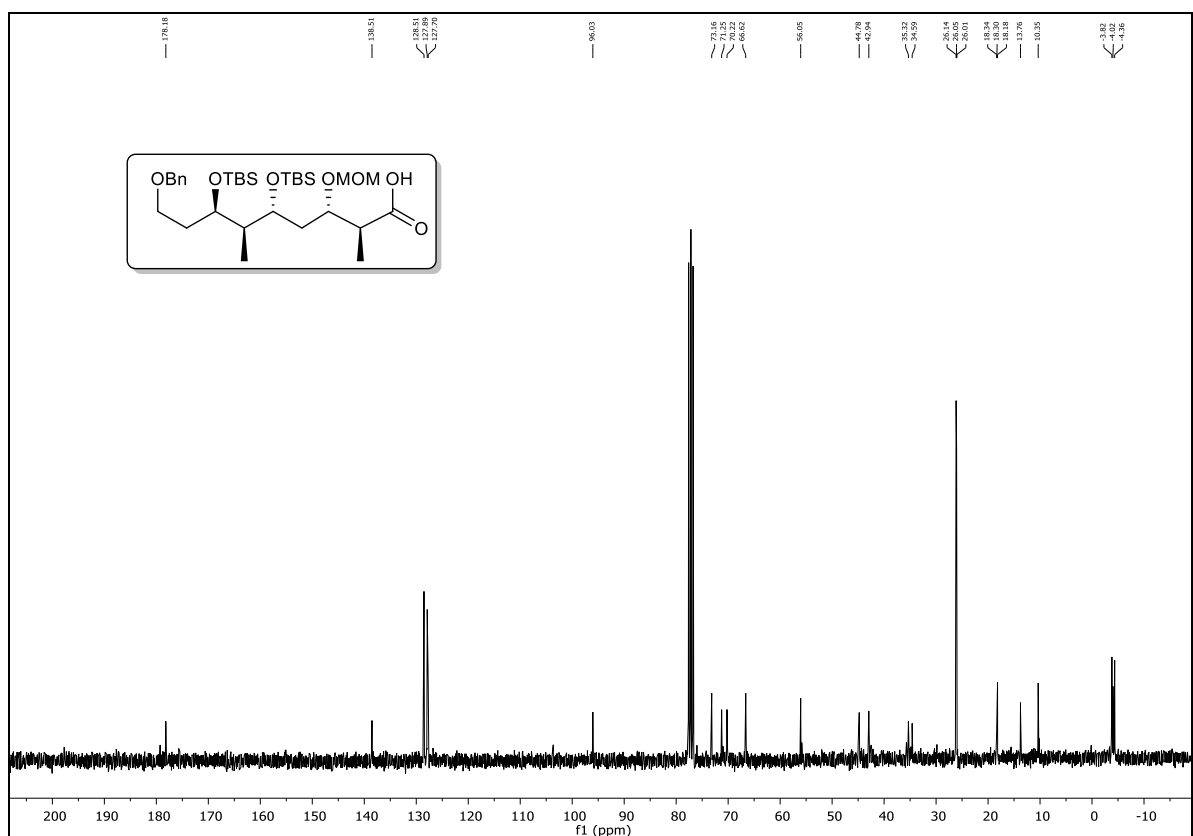
^{13}C NMR spectrum of compound 13 (75 MHz, CDCl_3):



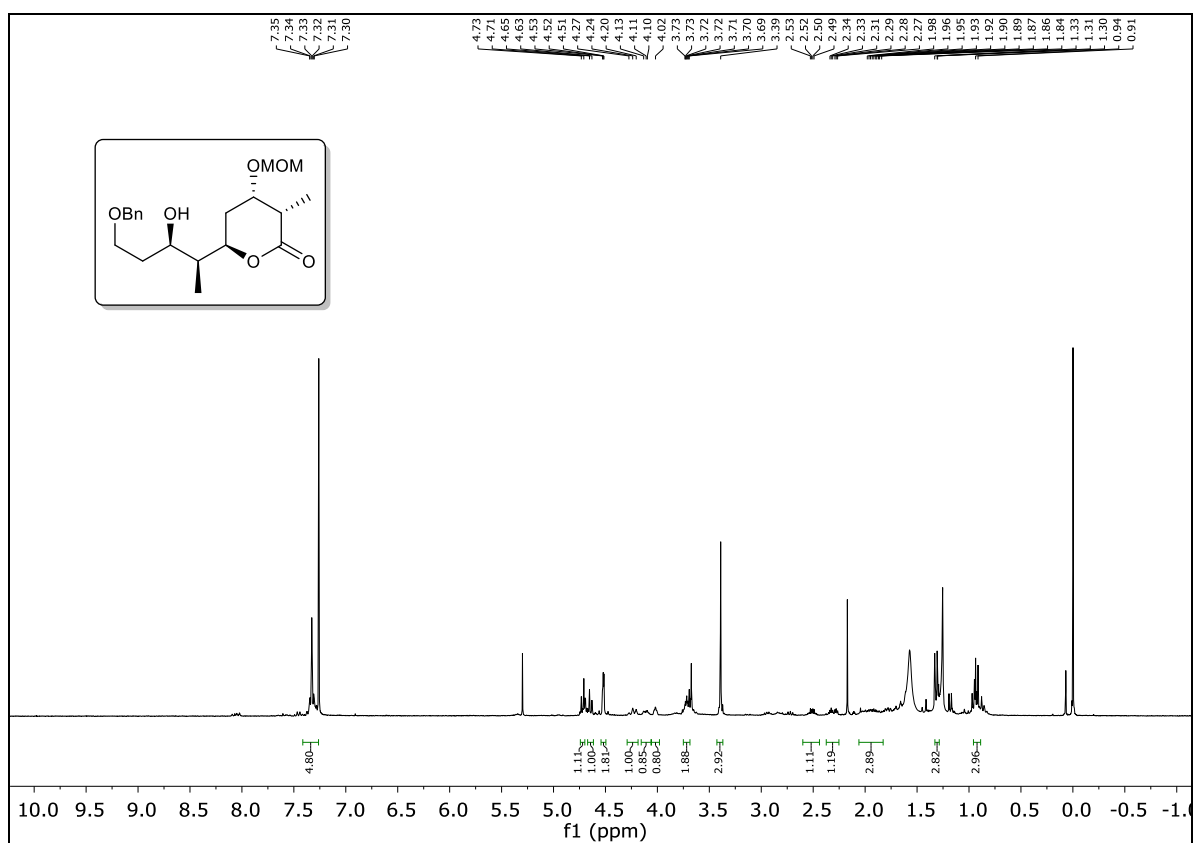
^1H NMR spectrum of compound 14 (300 MHz, CDCl_3):



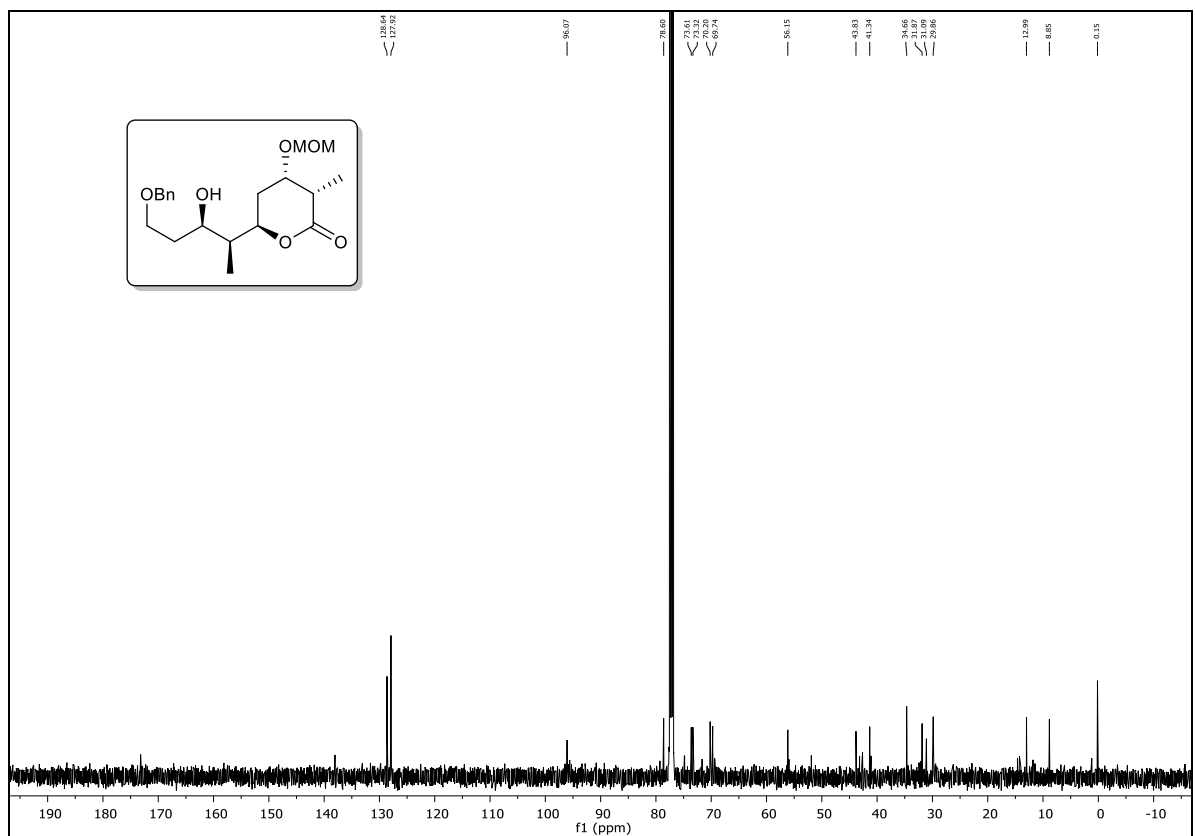
^{13}C NMR spectrum of compound 14 (75 MHz, CDCl_3):



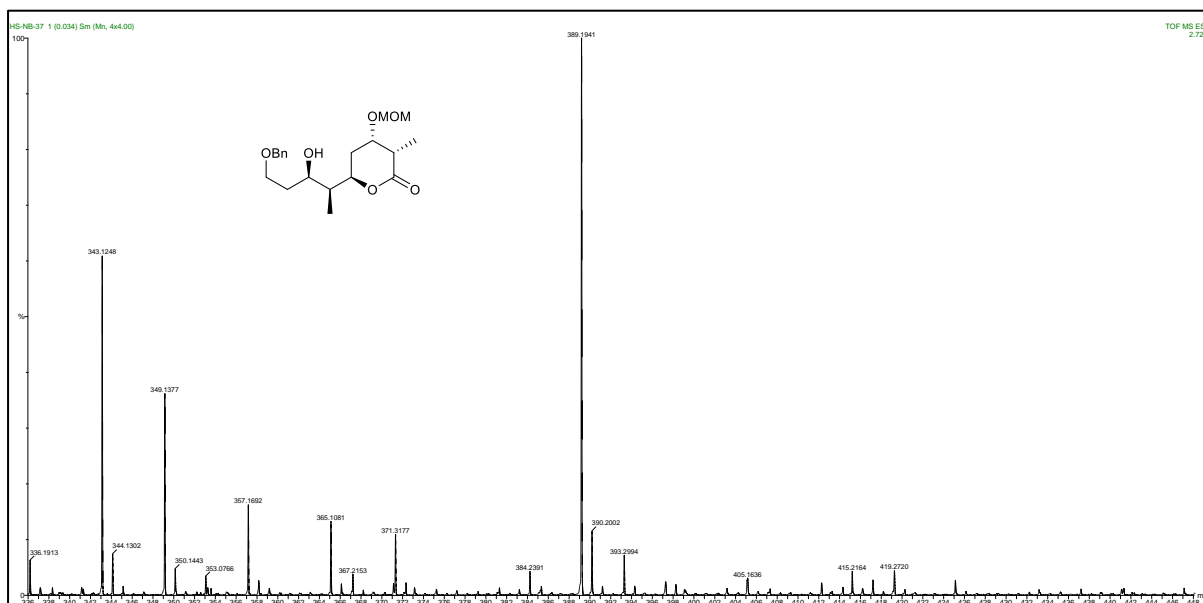
¹H NMR spectrum of compound 15 (400 MHz, CDCl₃):



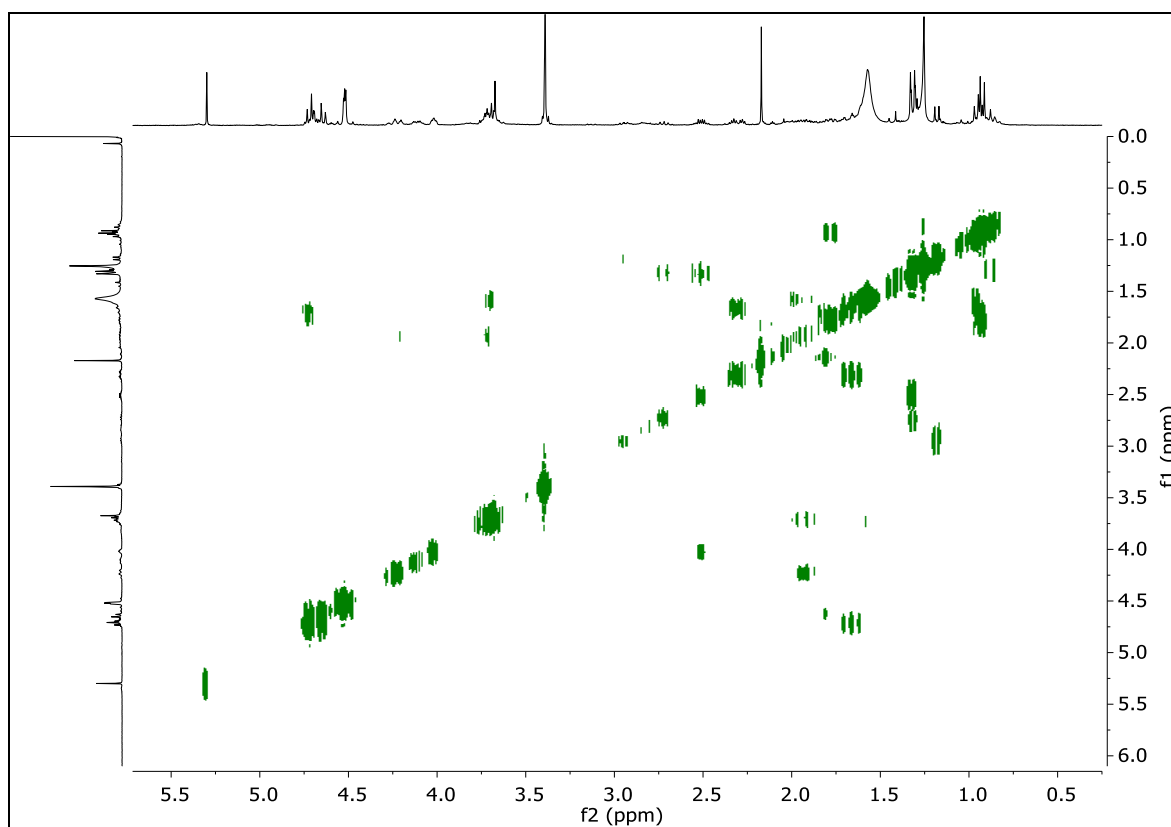
¹³C NMR spectrum of compound 15 (75 MHz, CDCl₃):



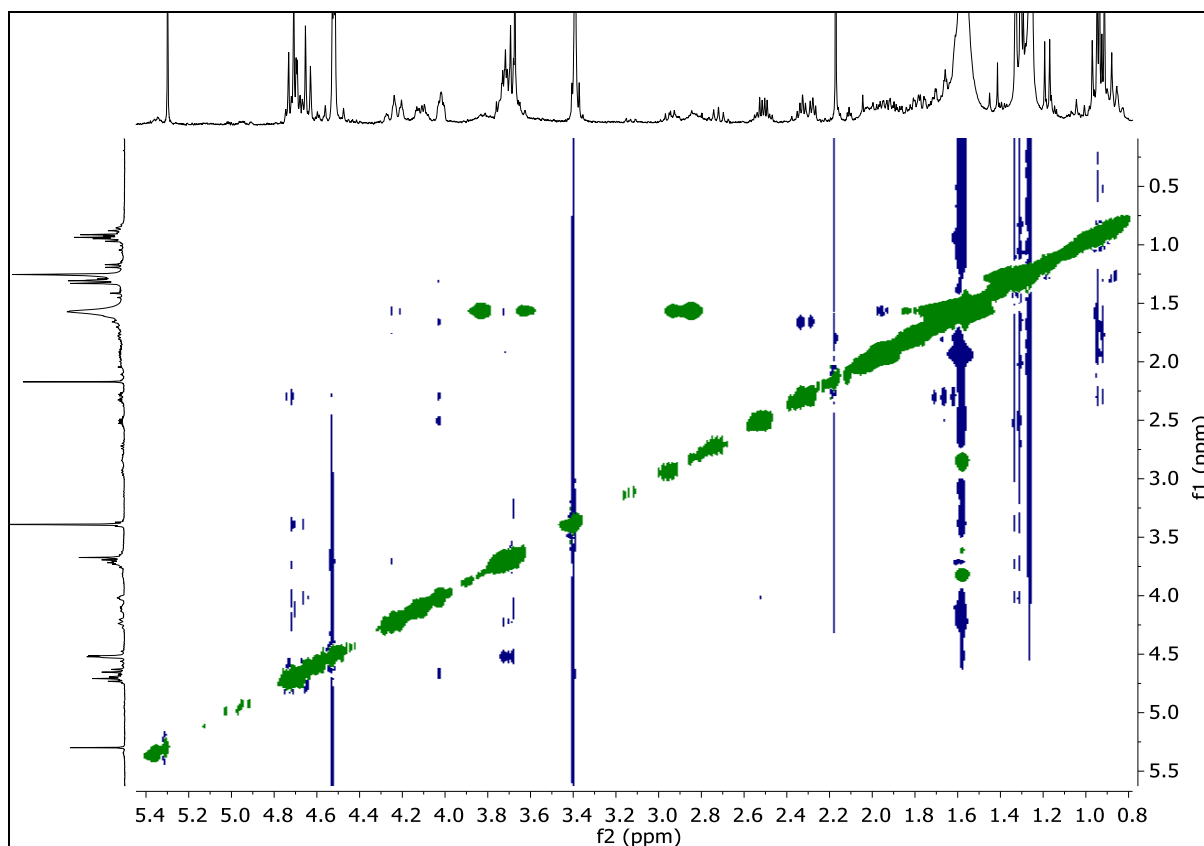
HRMS spectrum of compound 15:



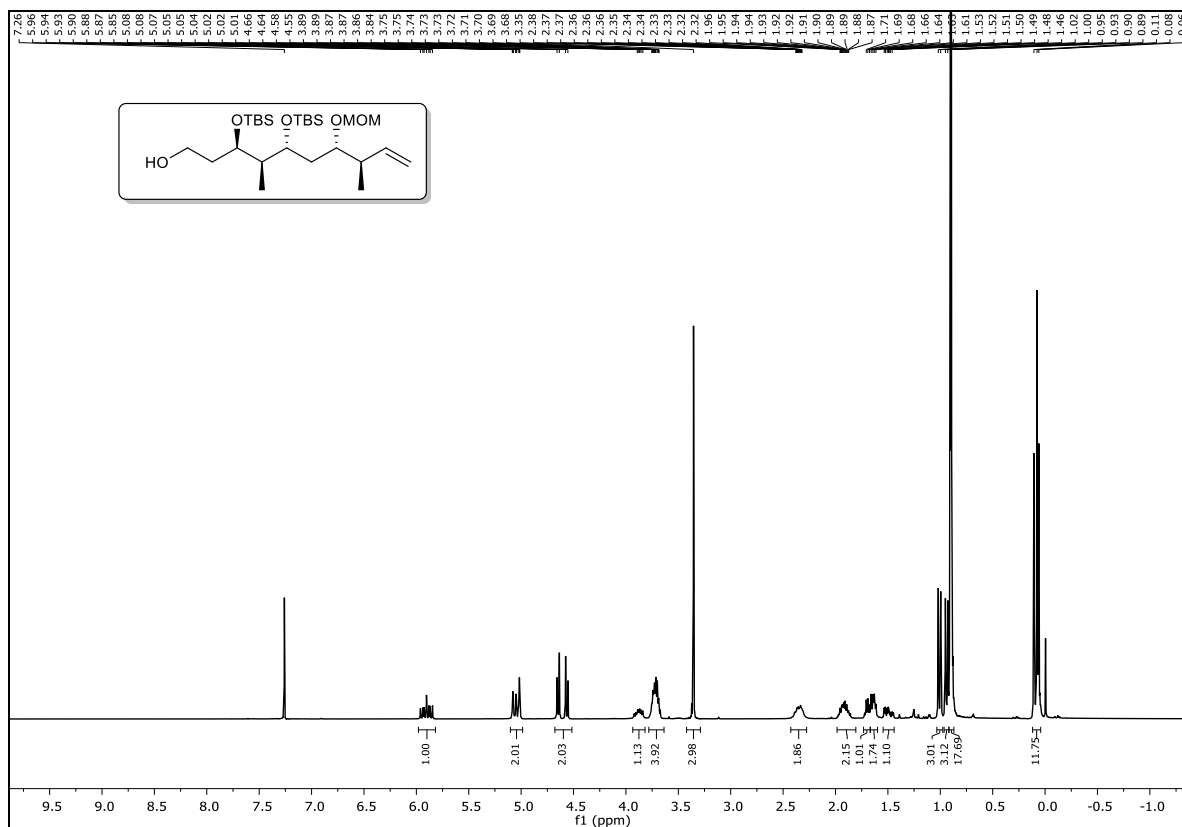
COSY spectrum of compound 15 (300 MHz, CDCl₃):



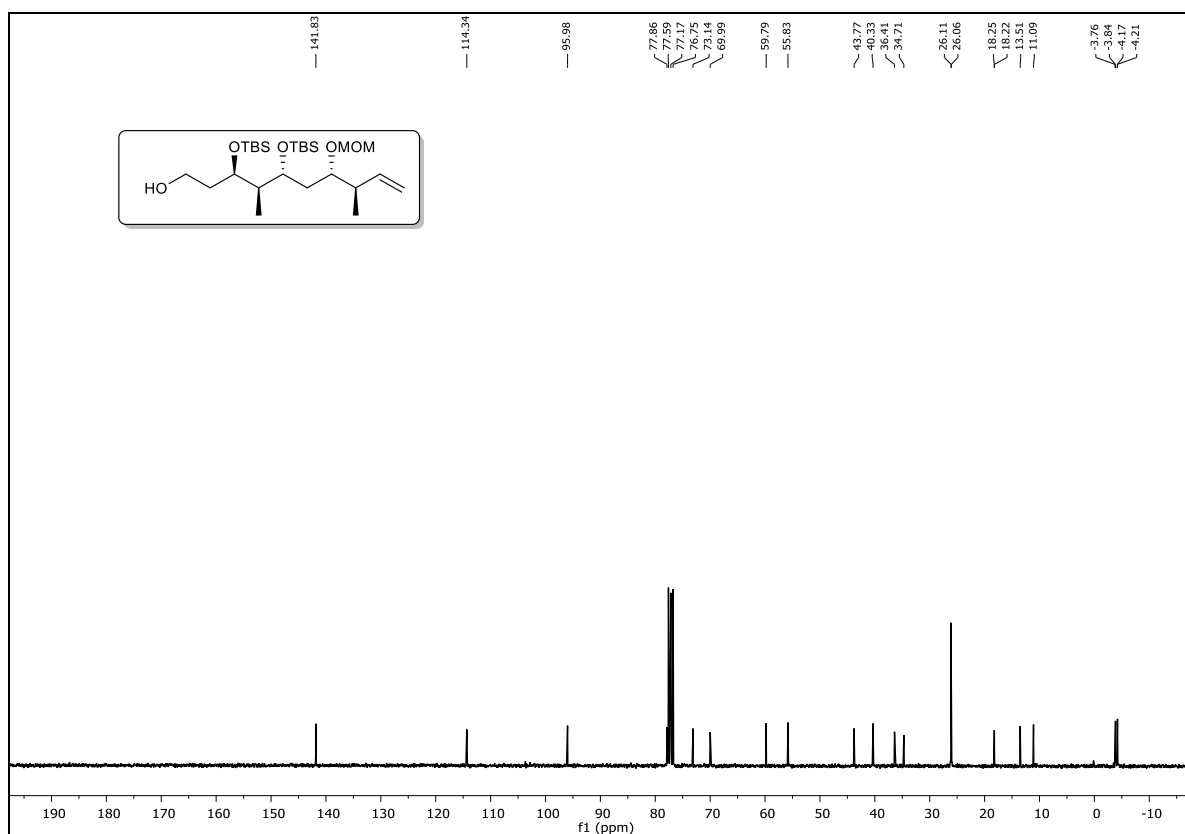
NOESY spectrum of compound 15 (300 MHz, CDCl₃):



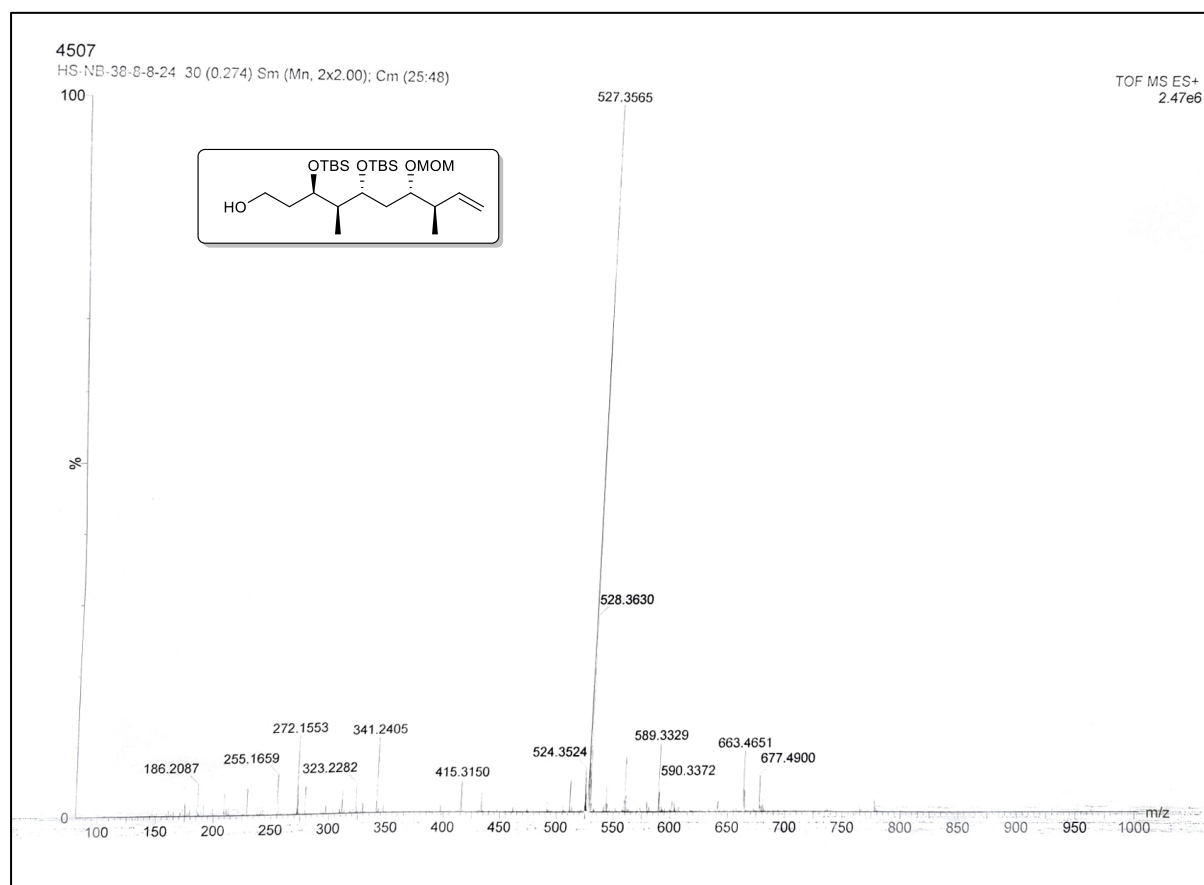
¹H NMR spectrum of compound 16 (300 MHz, CDCl₃):



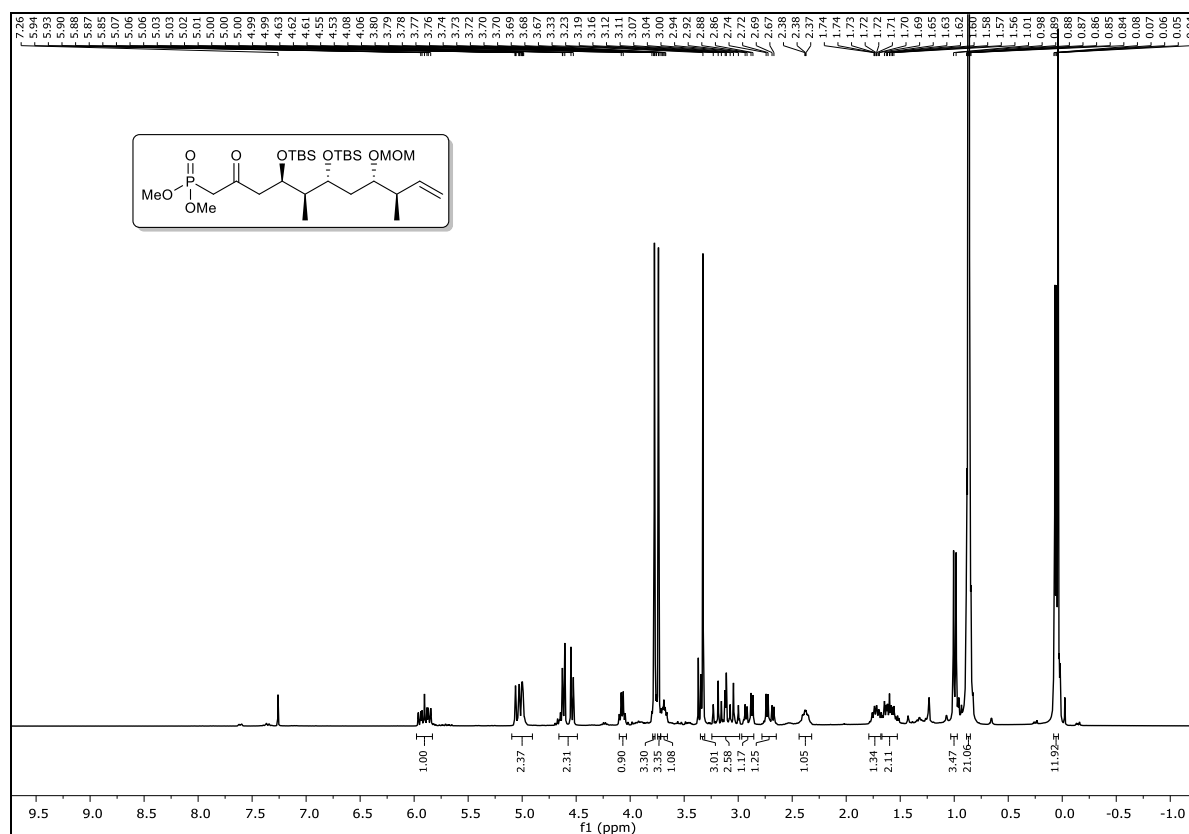
^{13}C NMR spectrum of compound 16 (75 MHz, CDCl_3):



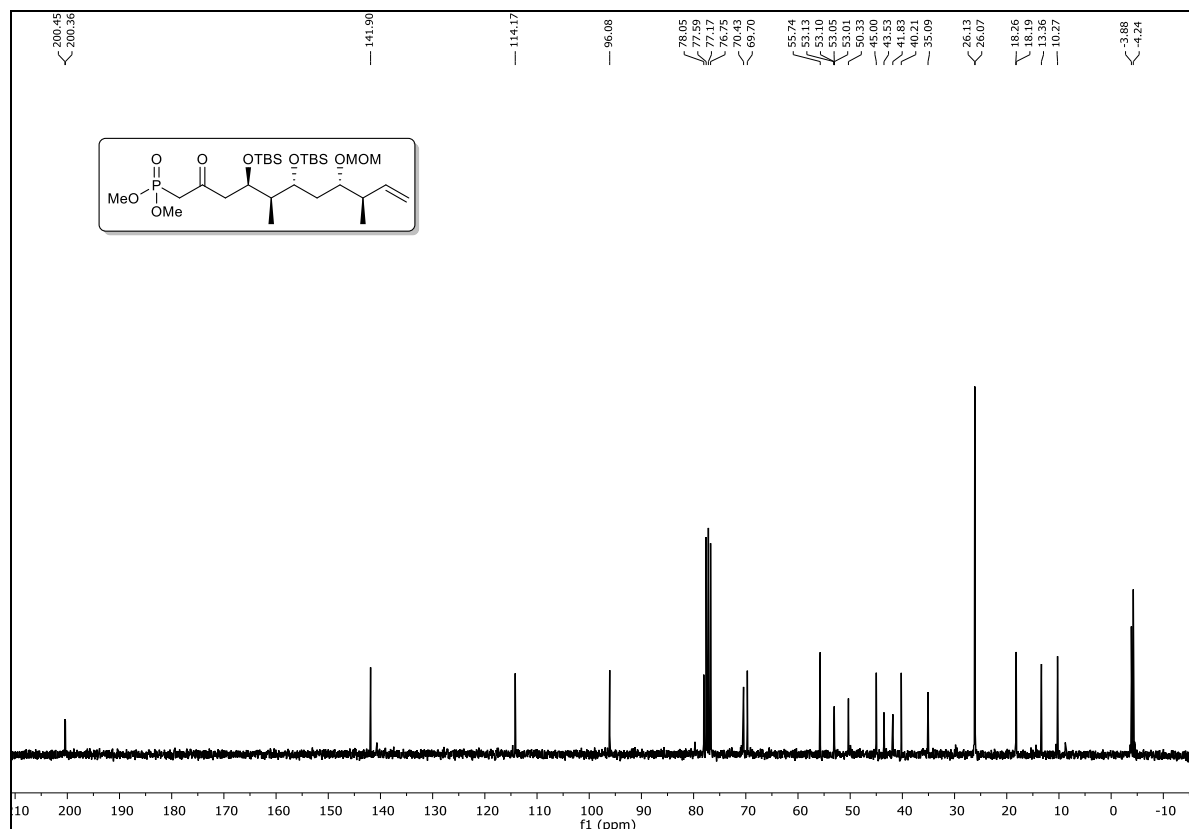
HRMS spectrum of compound 16:



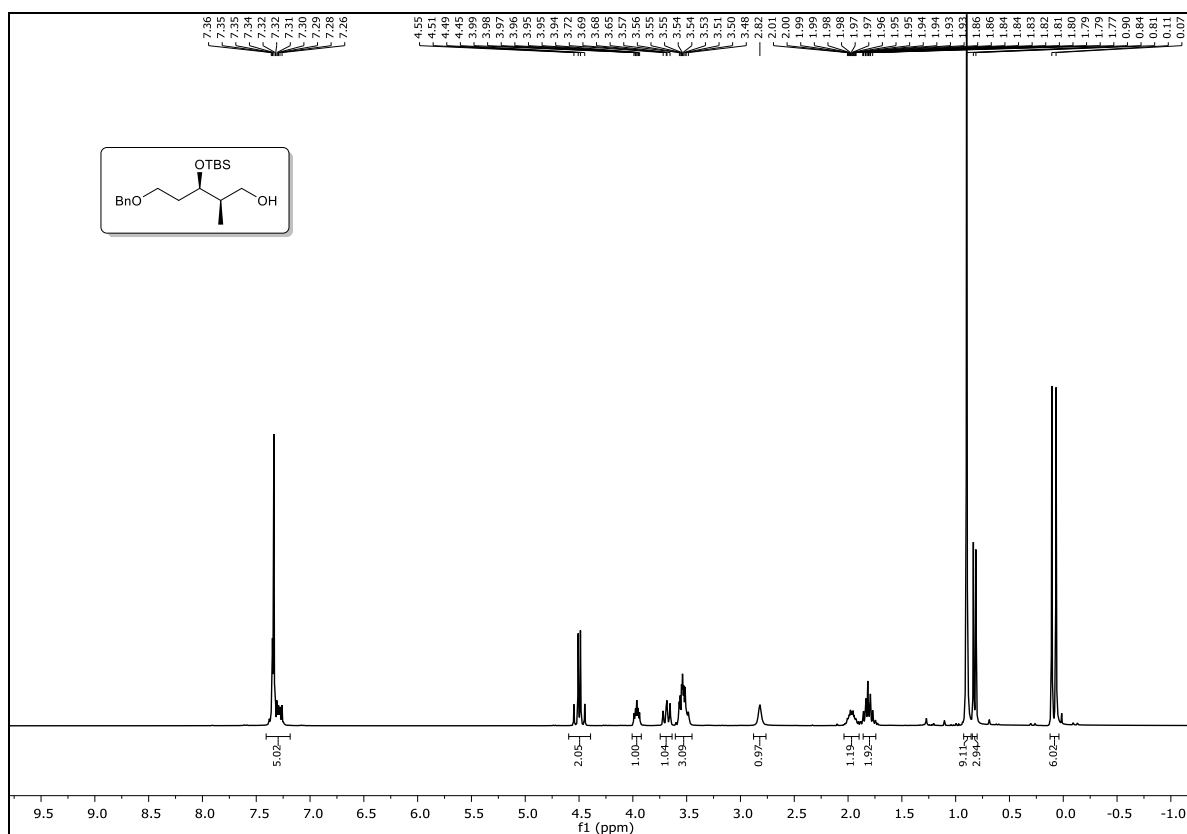
¹H NMR spectrum of compound 18 (300 MHz, CDCl₃):



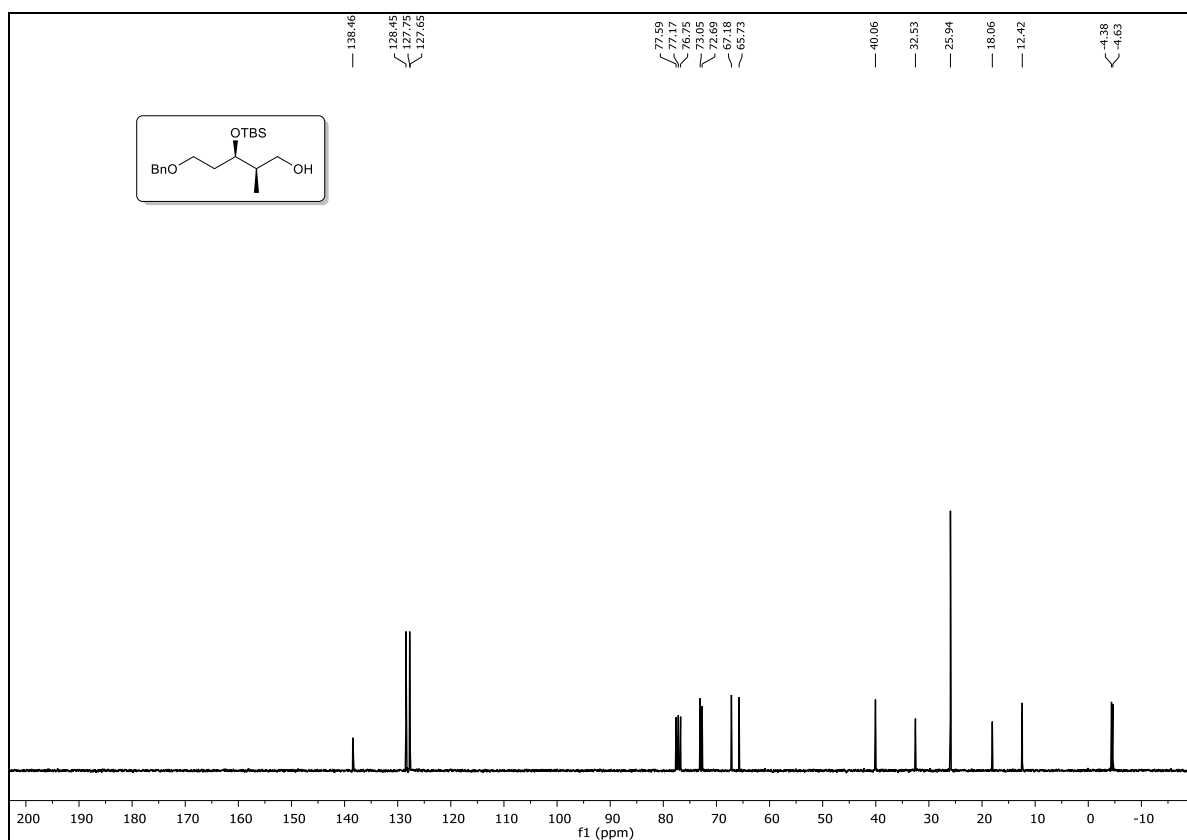
¹³C NMR spectrum of compound 18 (75 MHz, CDCl₃):



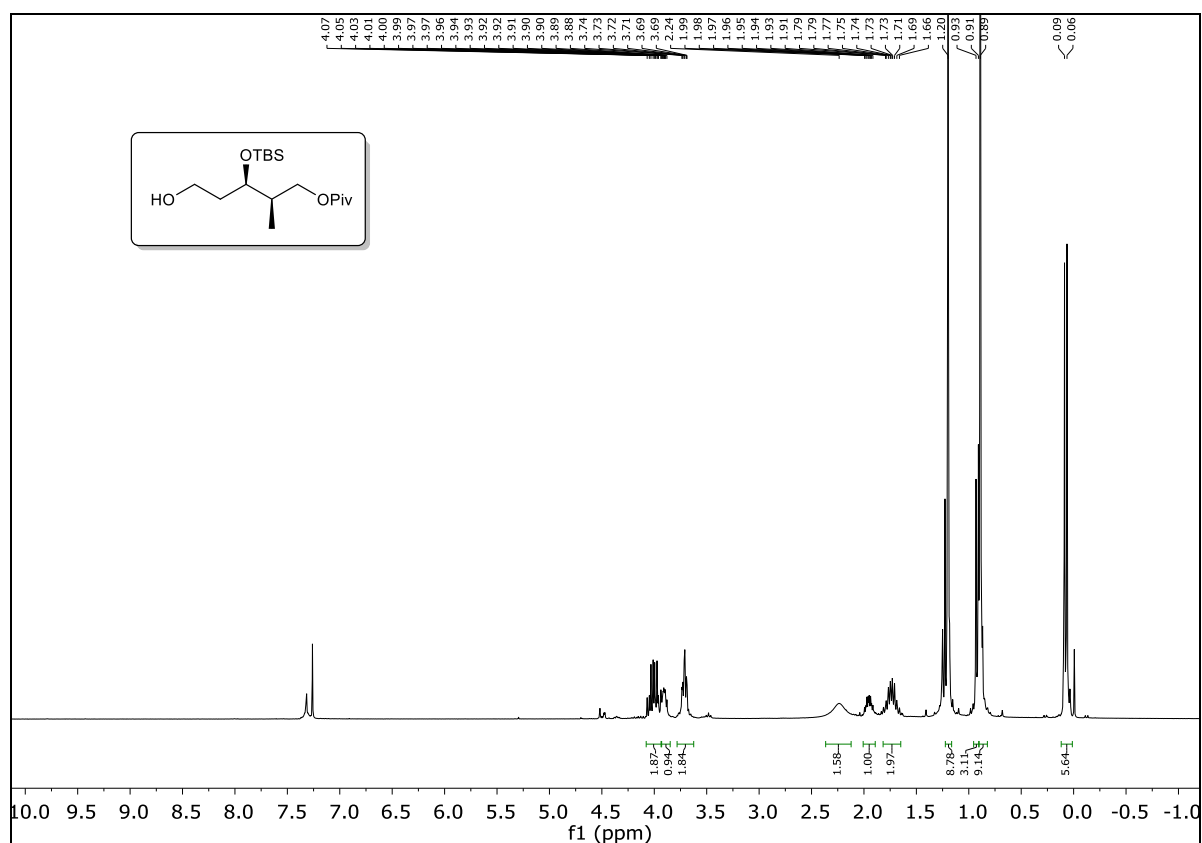
¹H NMR spectrum of compound 19 (300 MHz, CDCl₃):



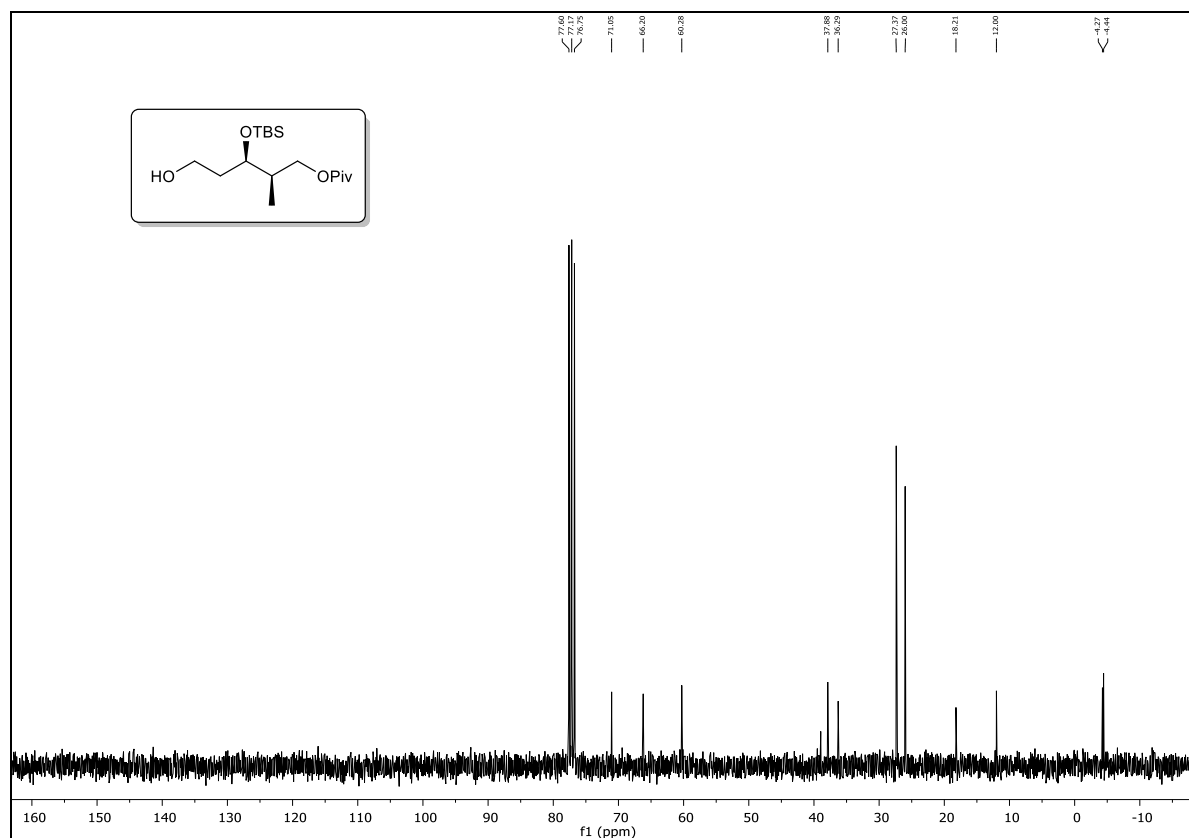
¹³C NMR spectrum of compound 19 (75 MHz, CDCl₃):



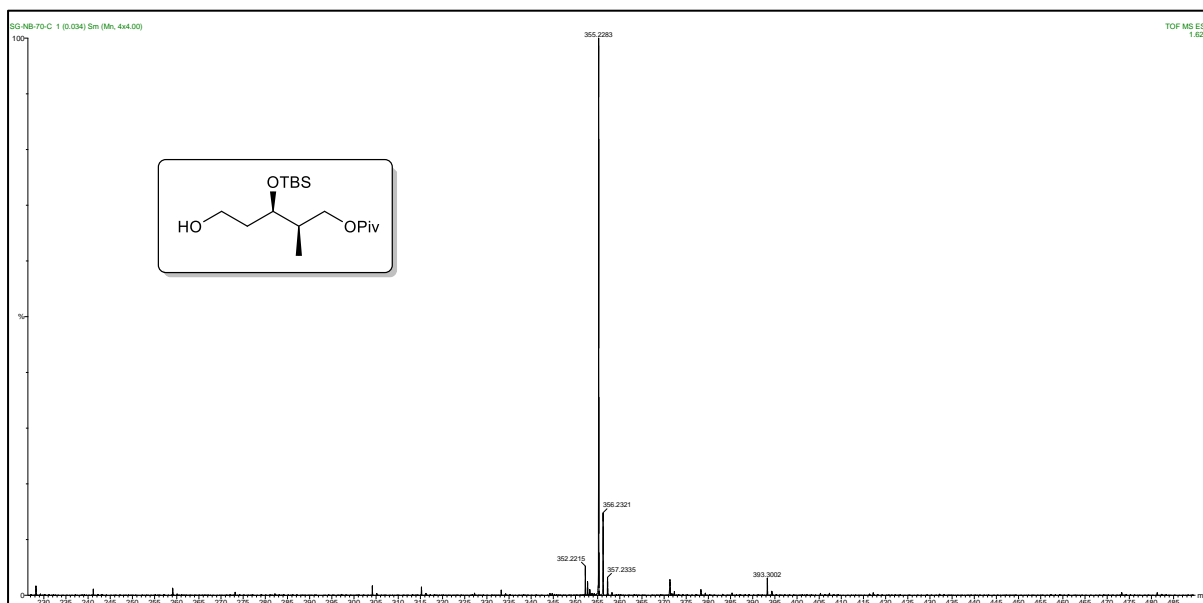
¹H NMR spectrum of compound 20 (300 MHz, CDCl₃):



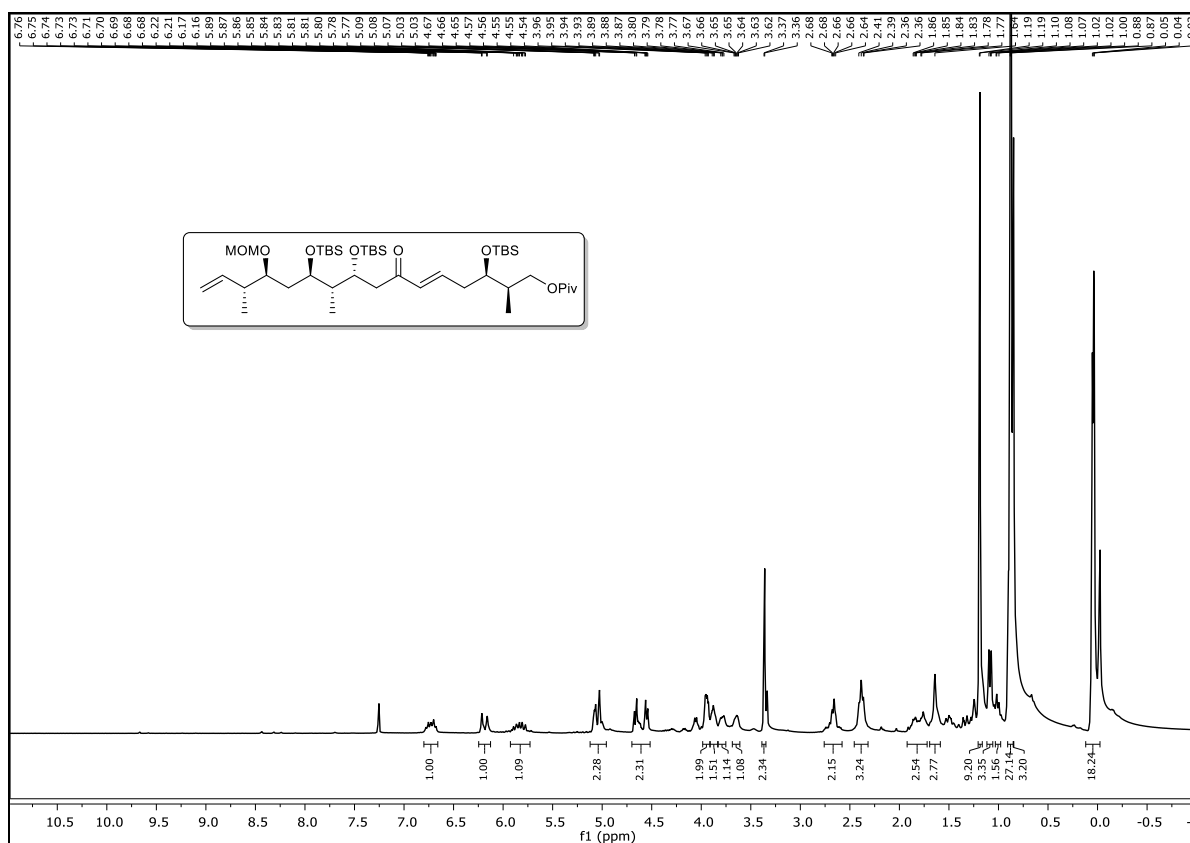
¹³C NMR spectrum of compound 20 (75 MHz, CDCl₃):



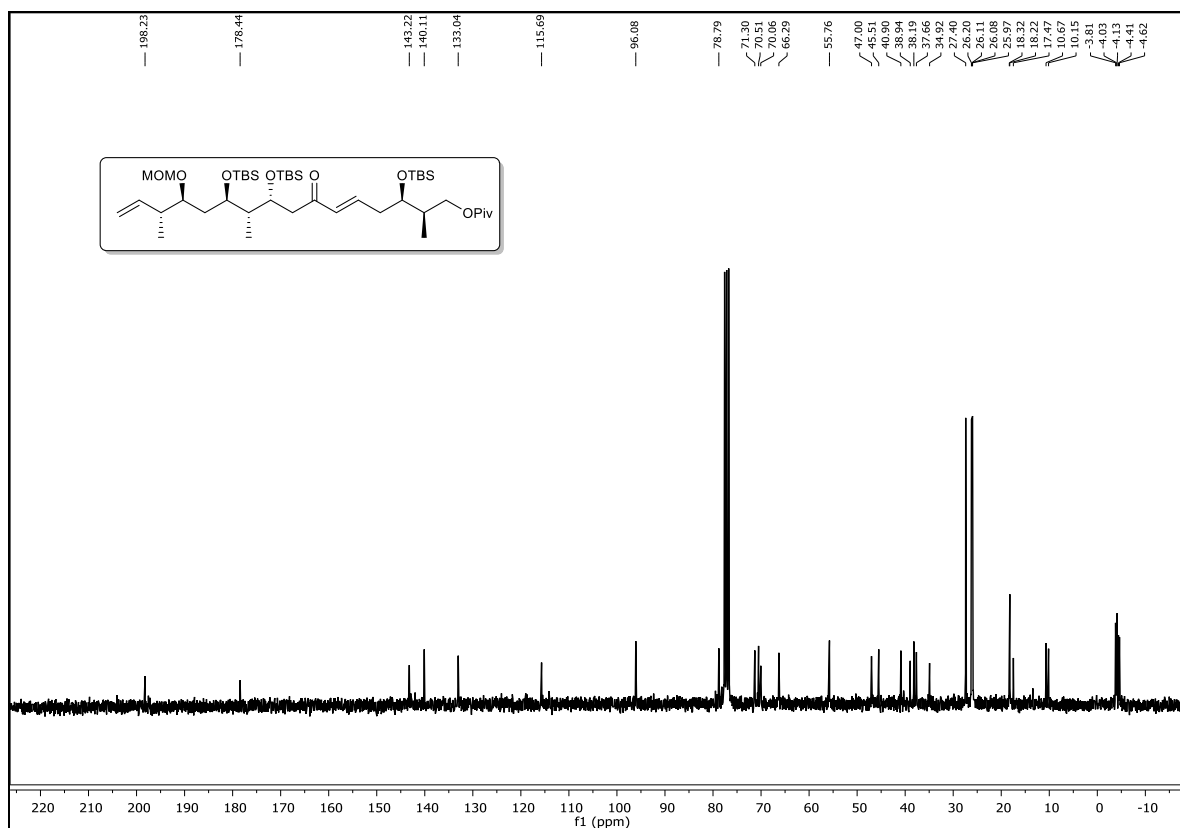
HRMS spectrum of compound 20:



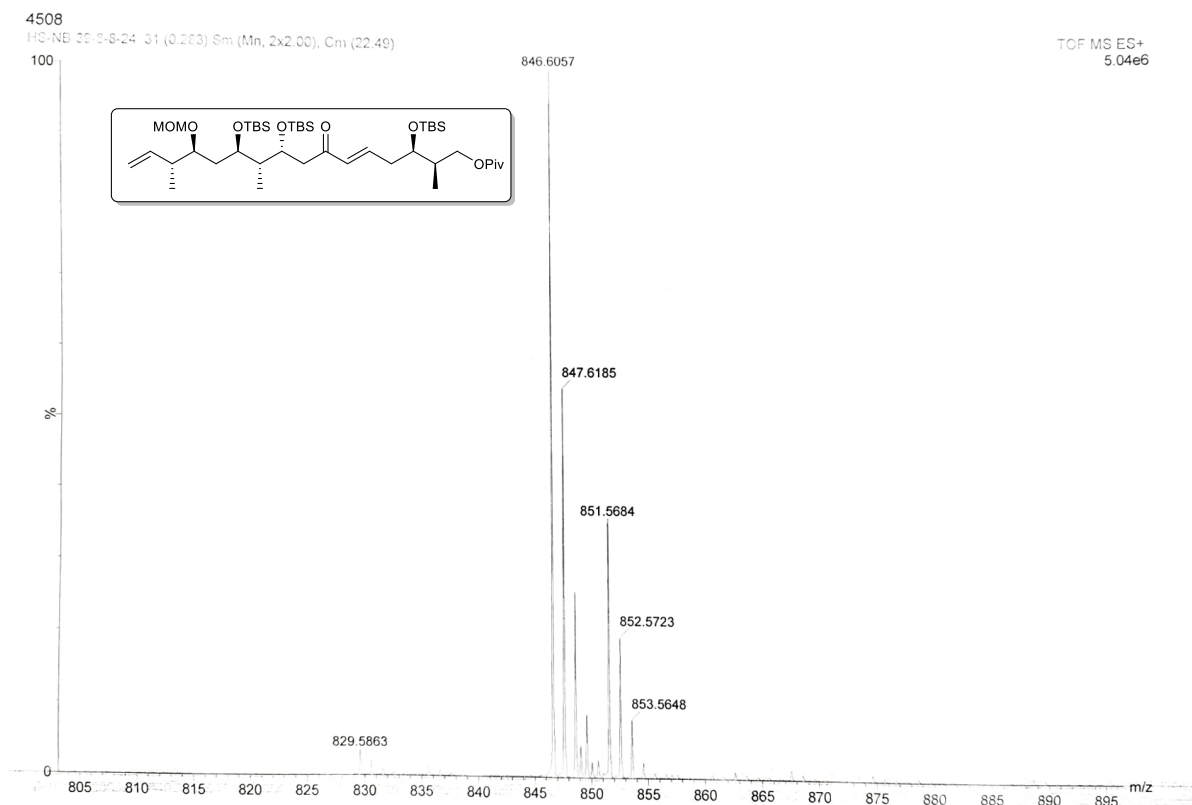
¹H NMR spectrum of compound 21 (300 MHz, CDCl₃):



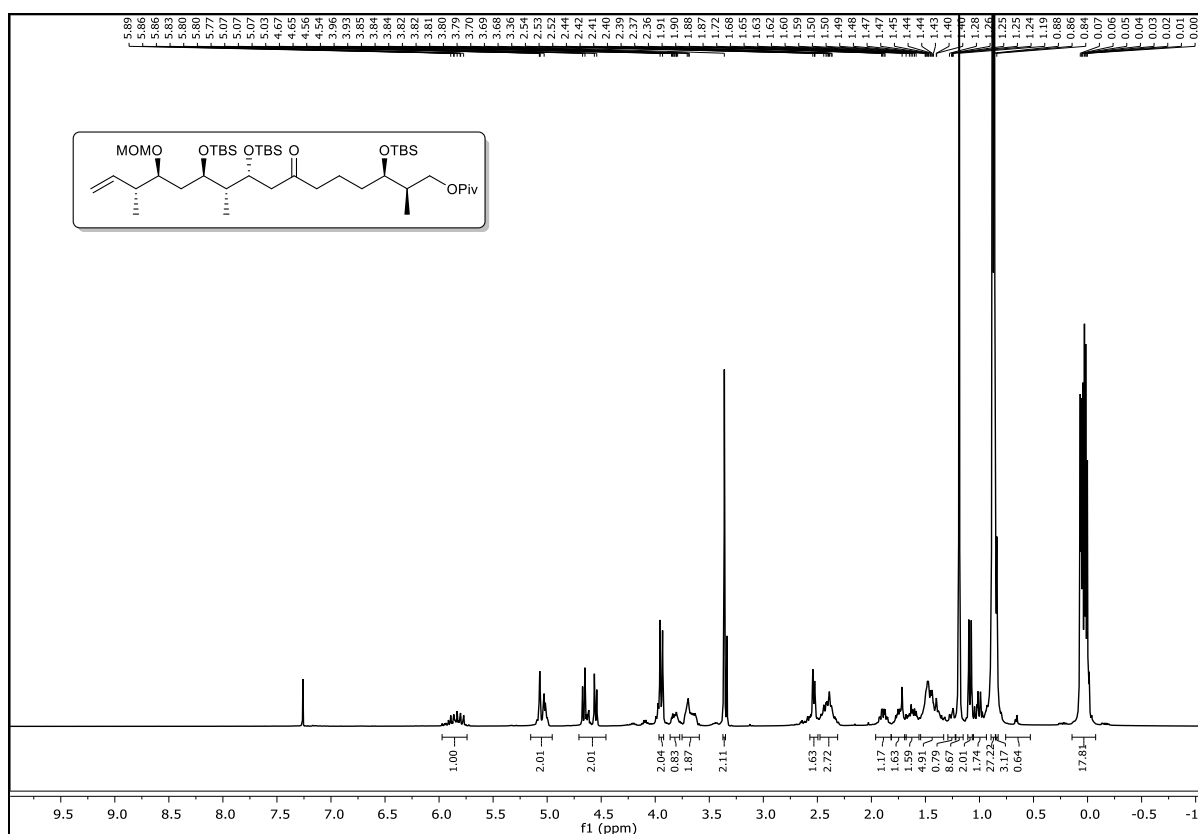
¹³C NMR spectrum of compound 21 (75 MHz, CDCl₃):



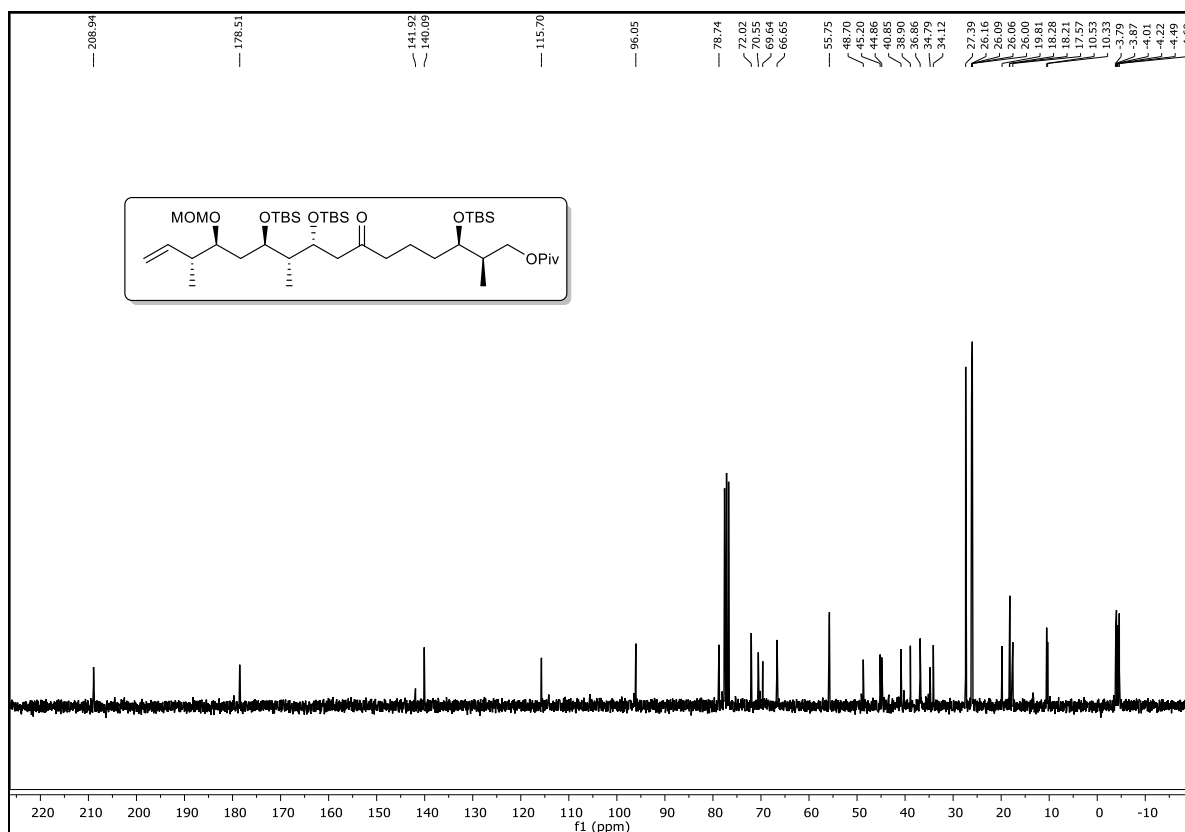
HRMS spectrum of compound 21:



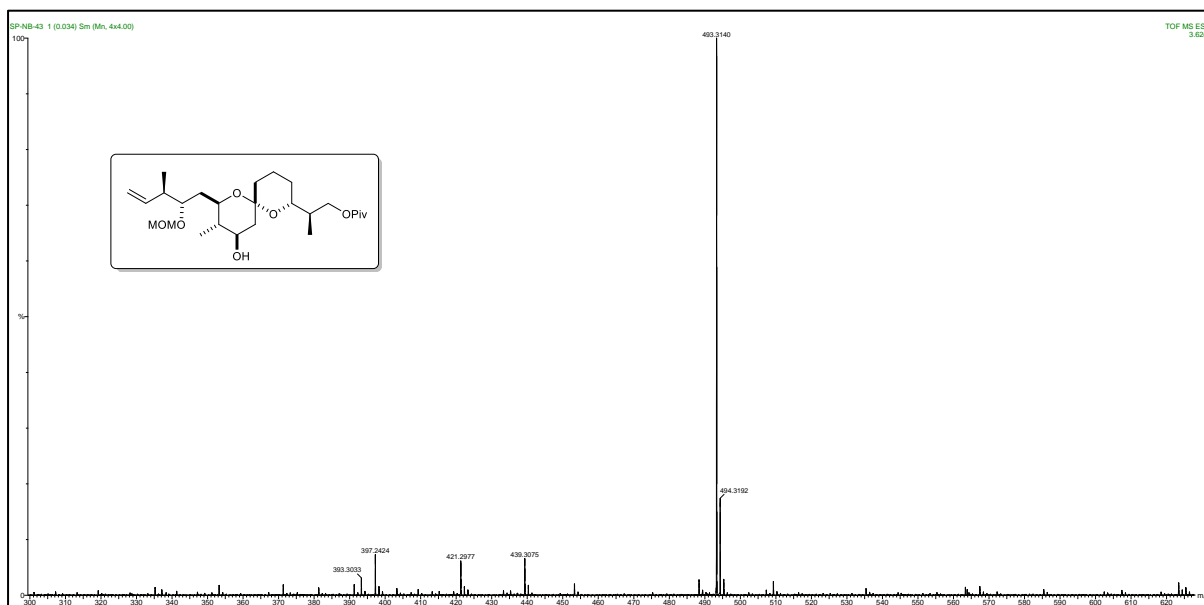
^1H NMR spectrum of compound 7 (300 MHz, CDCl_3):



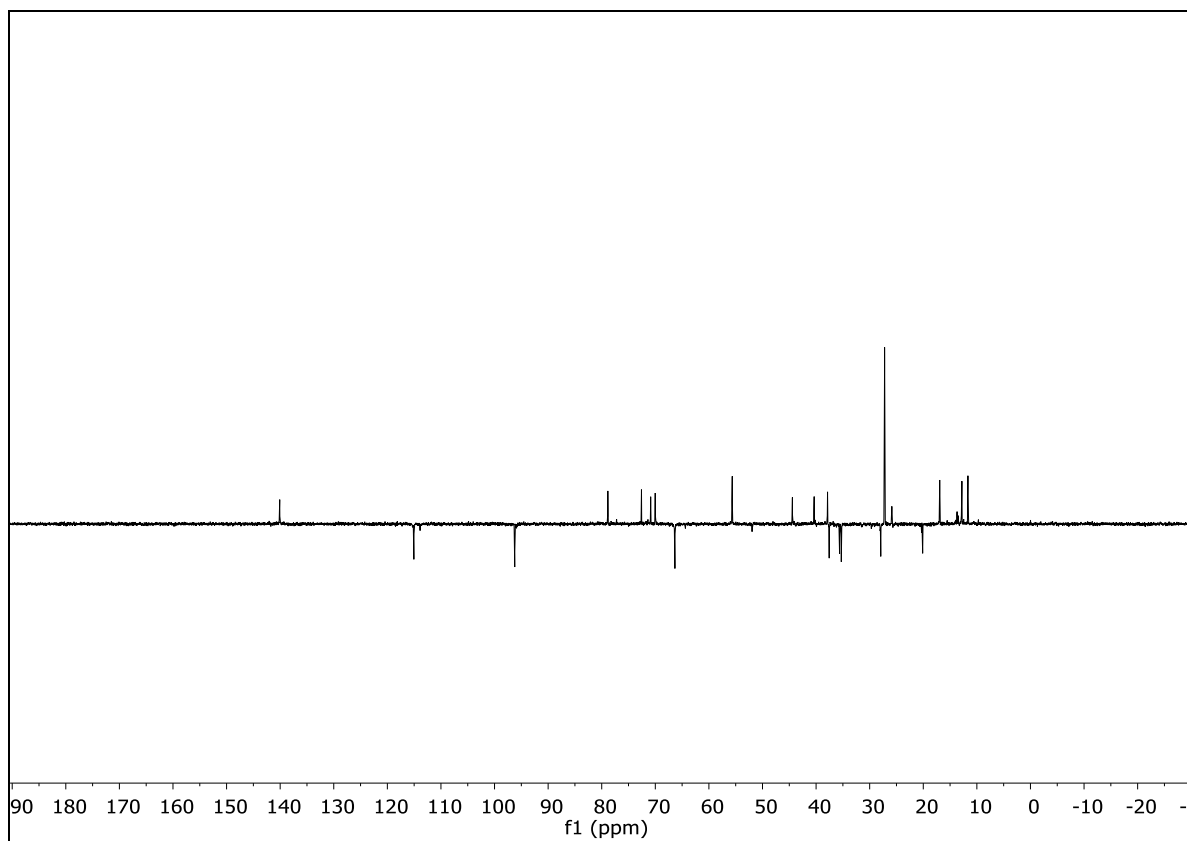
^{13}C NMR spectrum of compound 7 (75 MHz, CDCl_3):



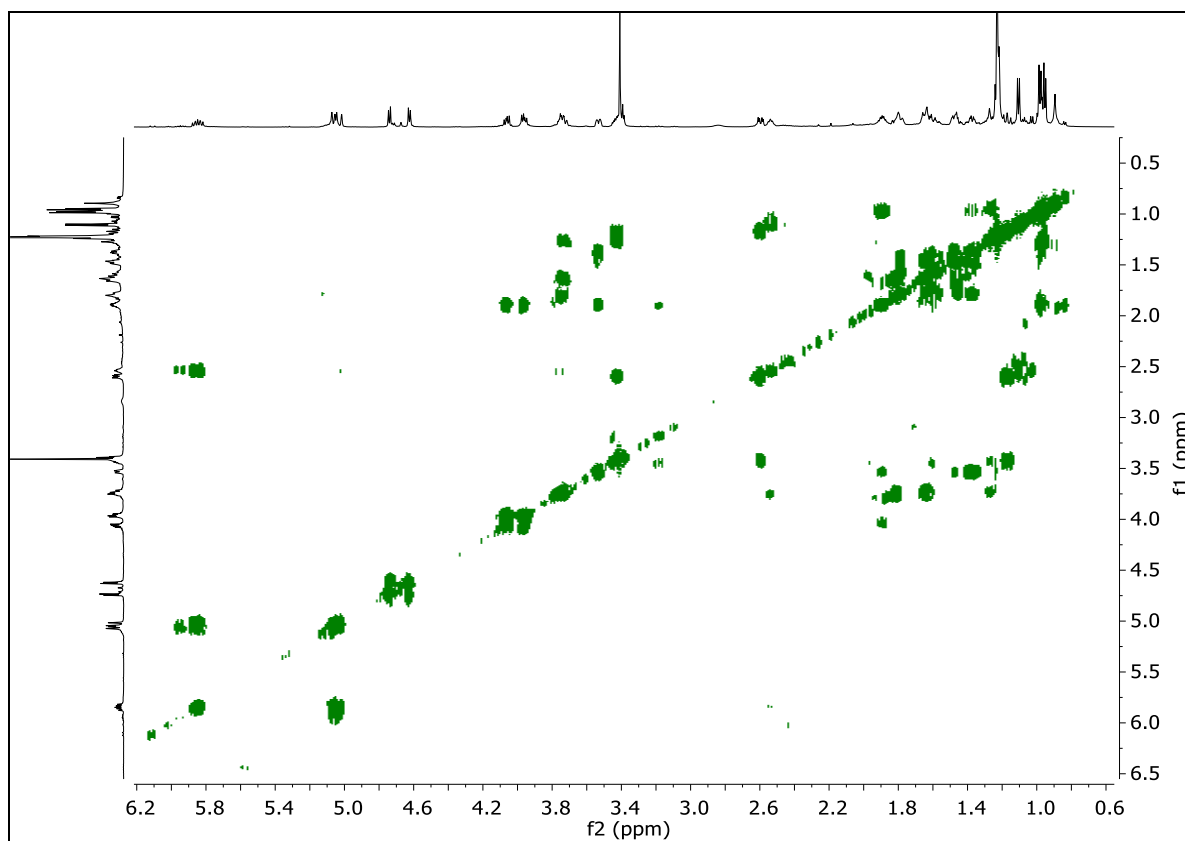
HRMS spectrum of compound 22a:



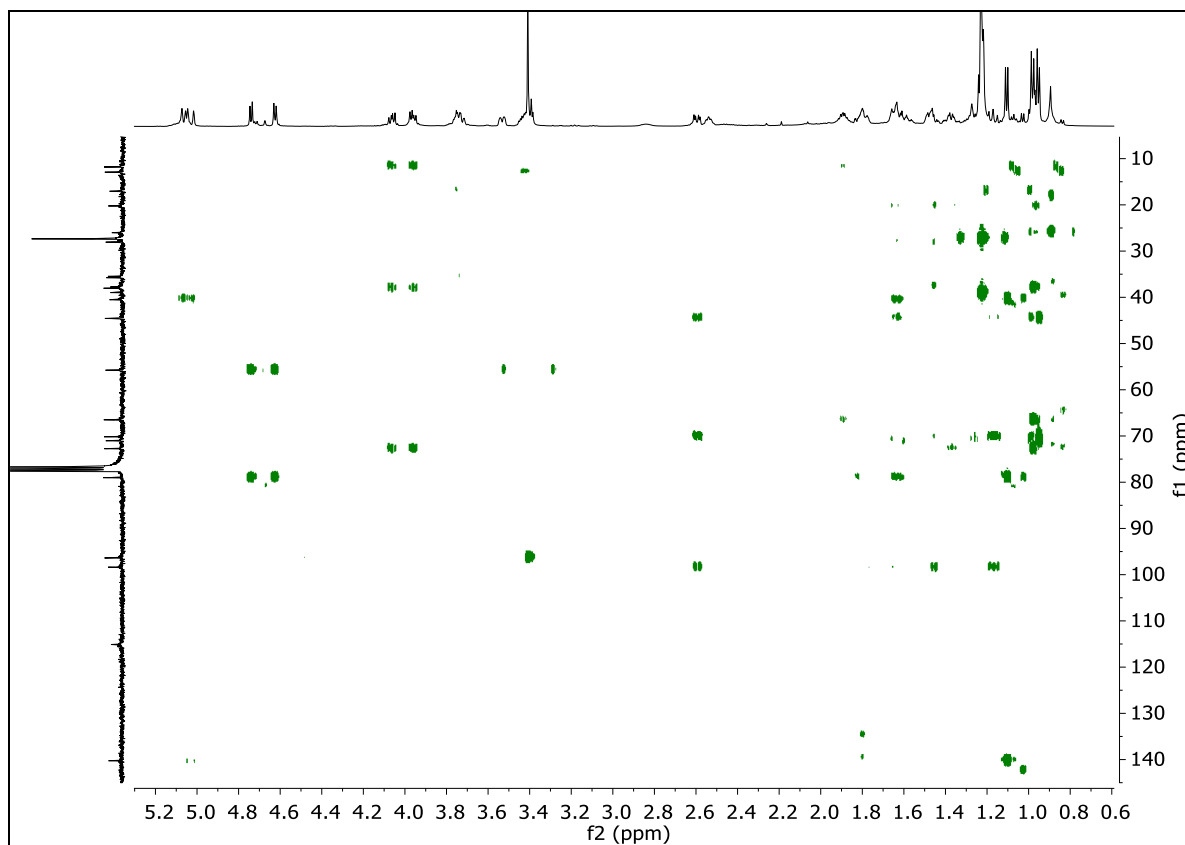
DEPT 135 spectrum of compound 22a (75 MHz, CDCl₃):



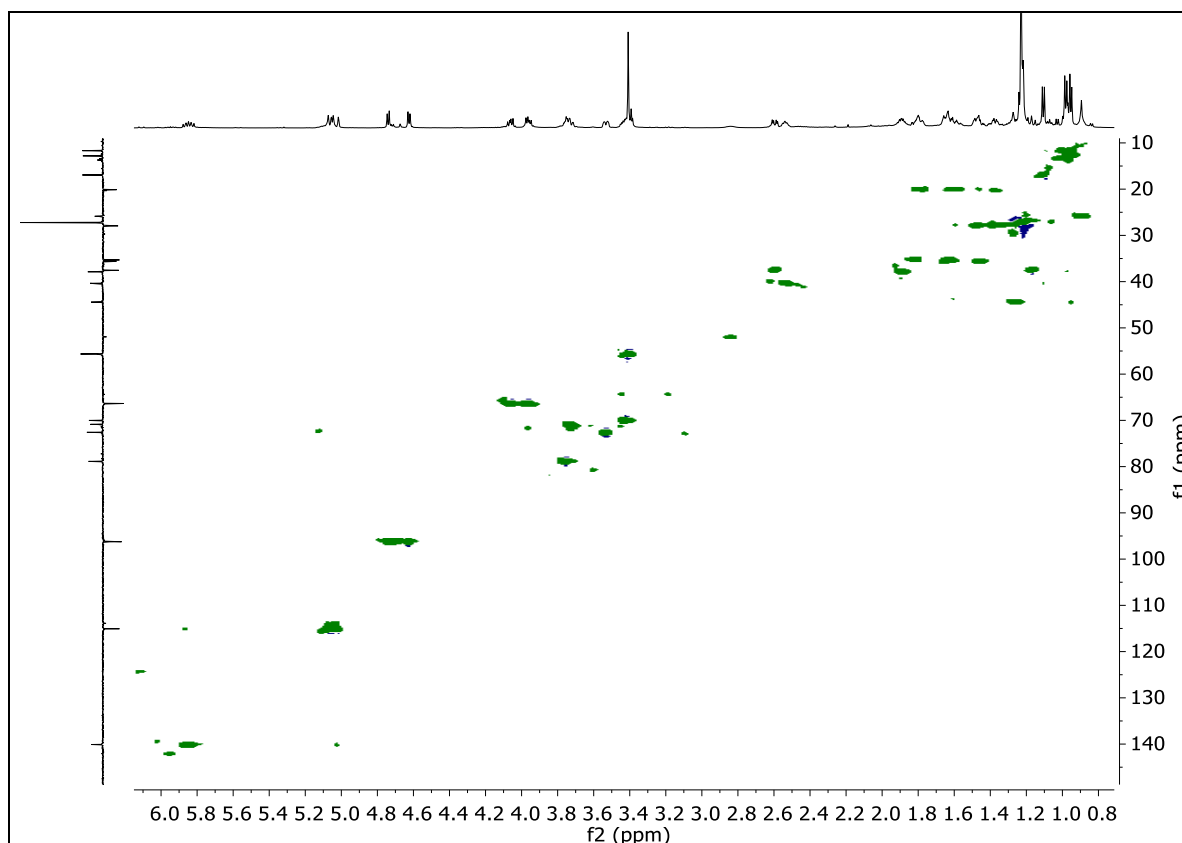
COSY spectrum of compound 22a (600 MHz, CDCl₃):



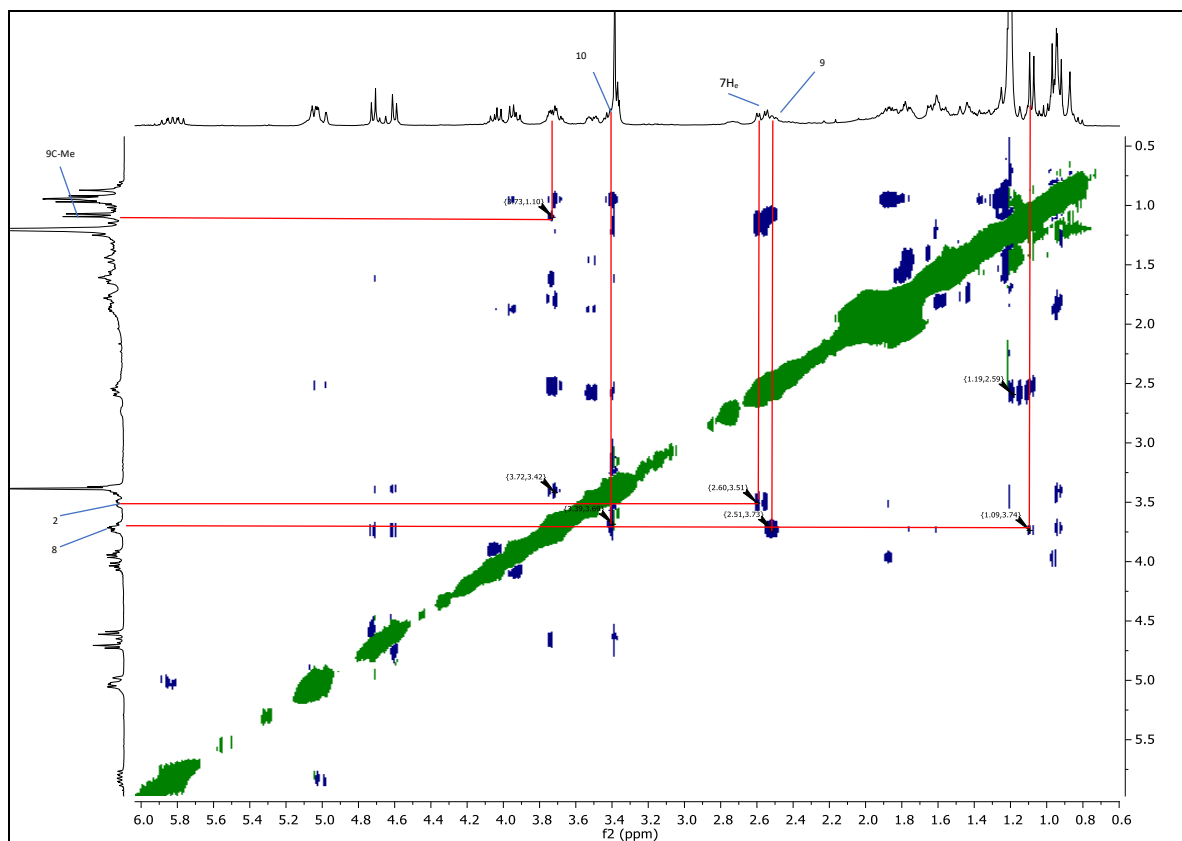
HMBC spectrum of compound 22a (151 MHz, CDCl₃):



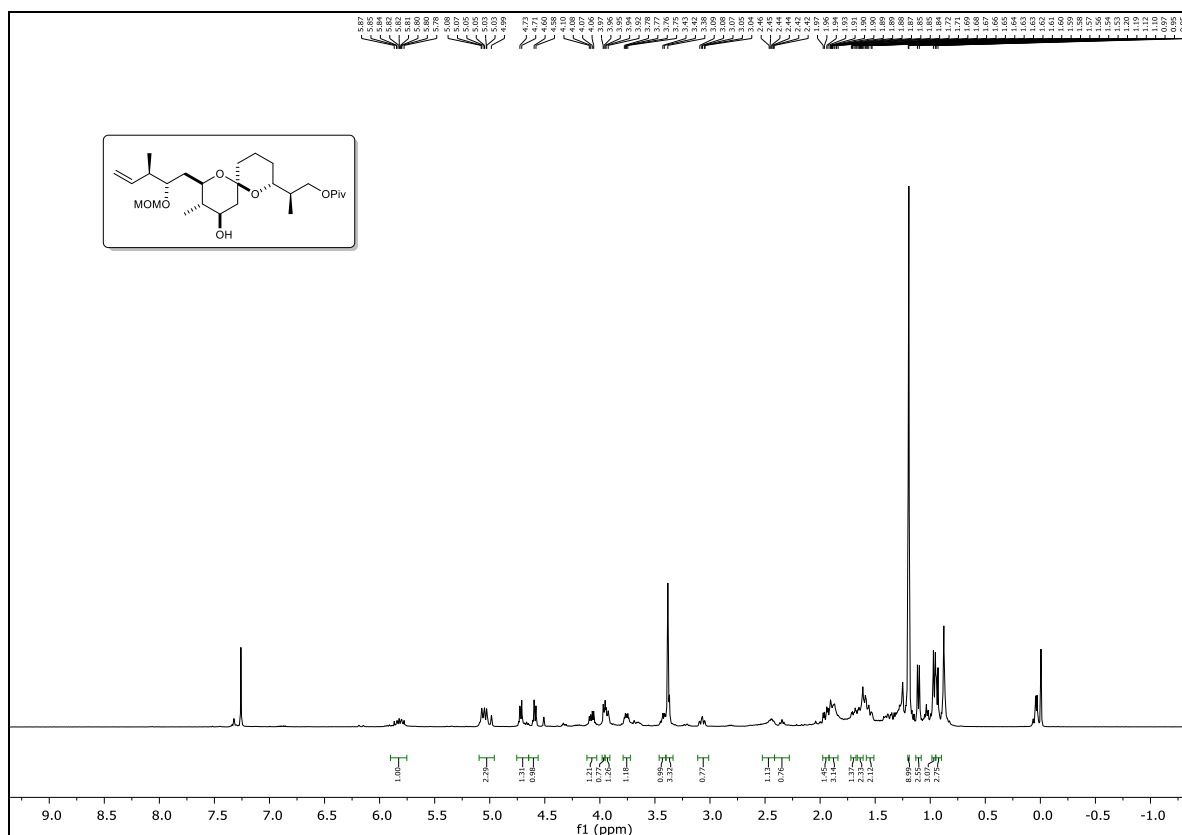
HSQC spectrum of compound 22a (151 MHz, CDCl₃):



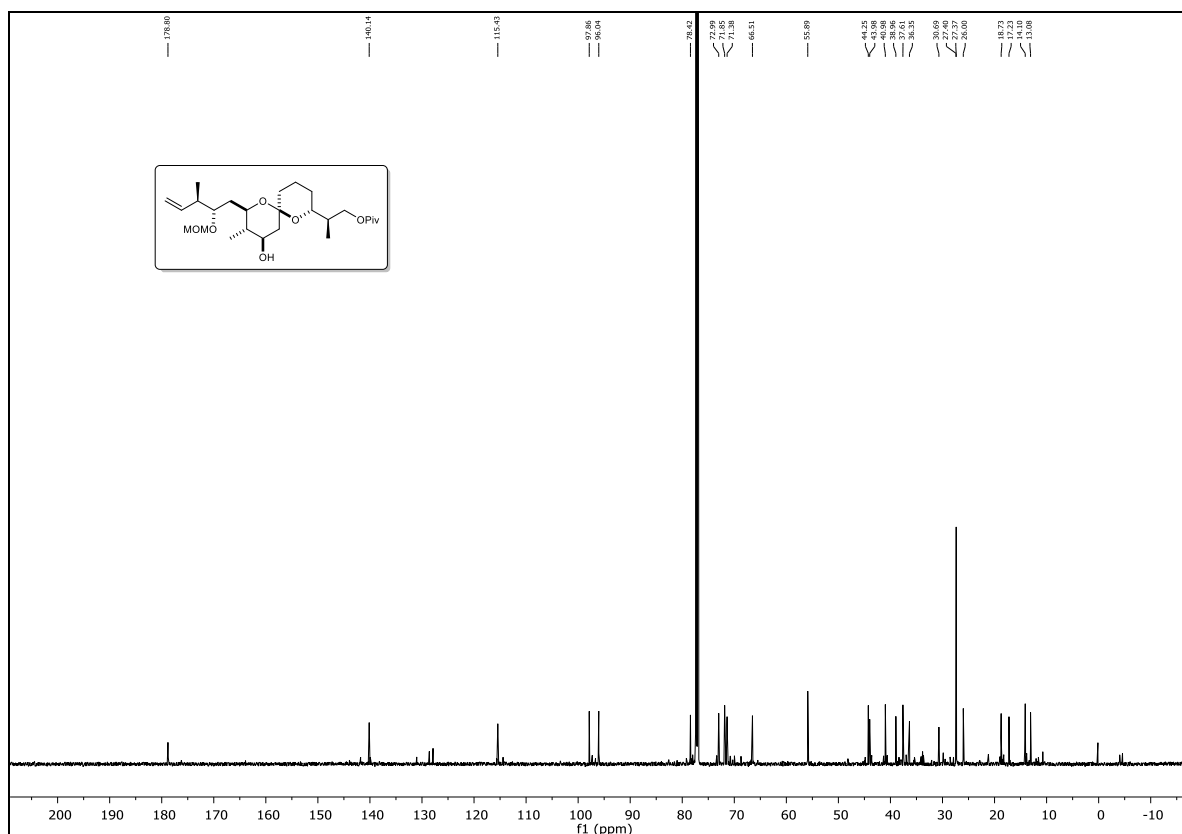
NOESY spectrum of compound 22a (600 MHz, CDCl₃):



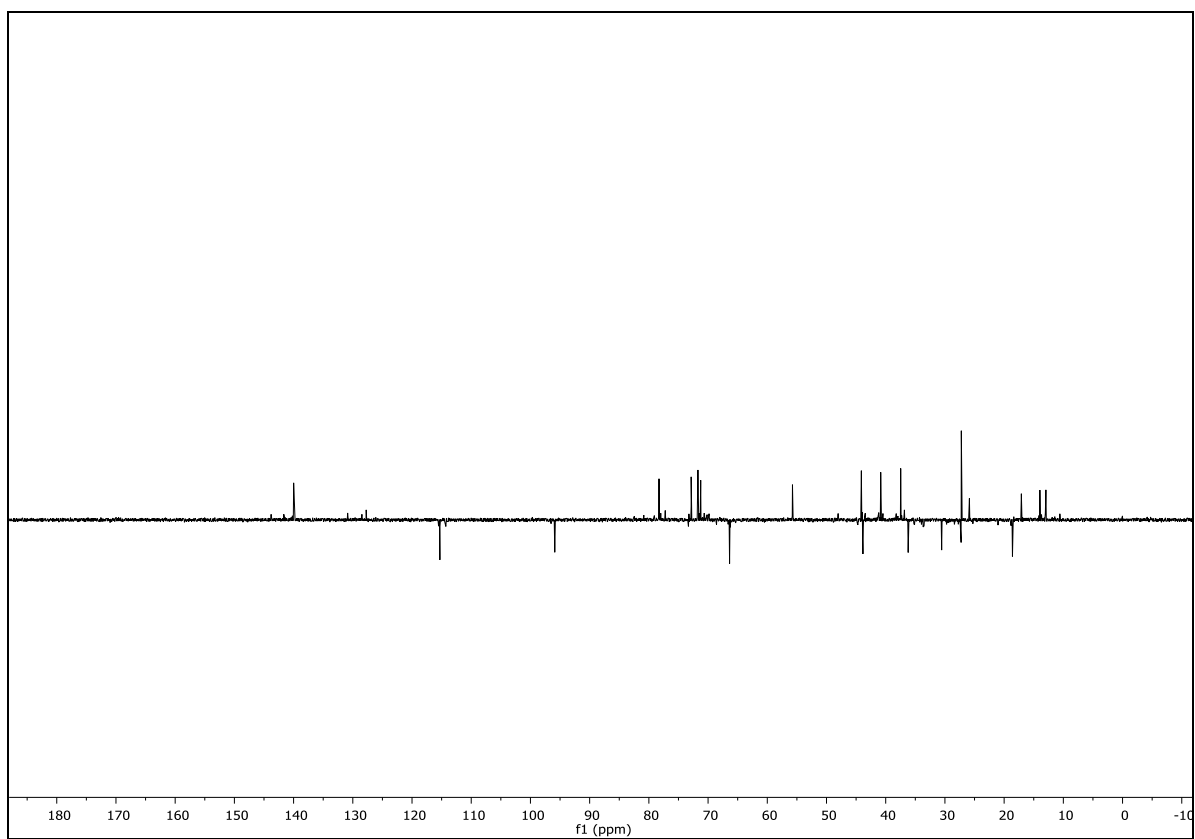
¹H NMR spectrum of compound 22b (600 MHz, CDCl₃):



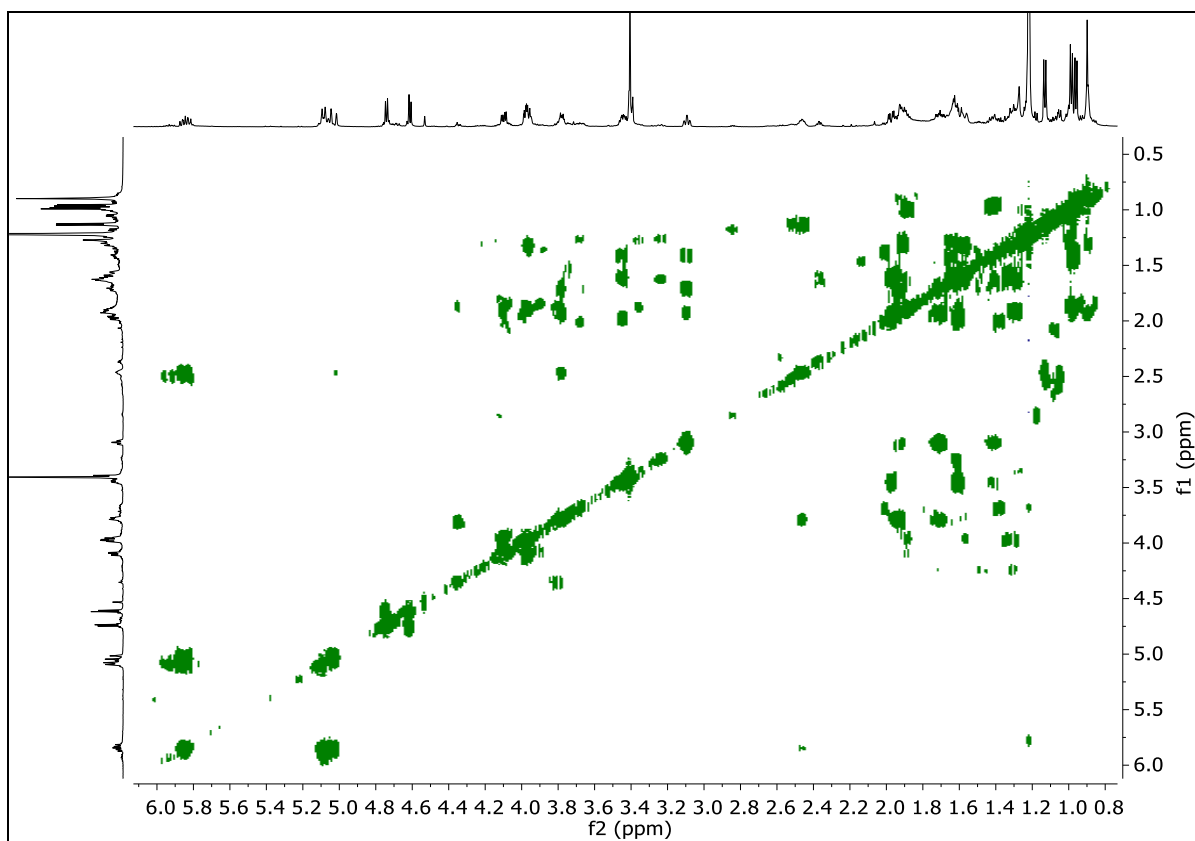
¹³C NMR spectrum of compound 22b (151 MHz, CDCl₃):



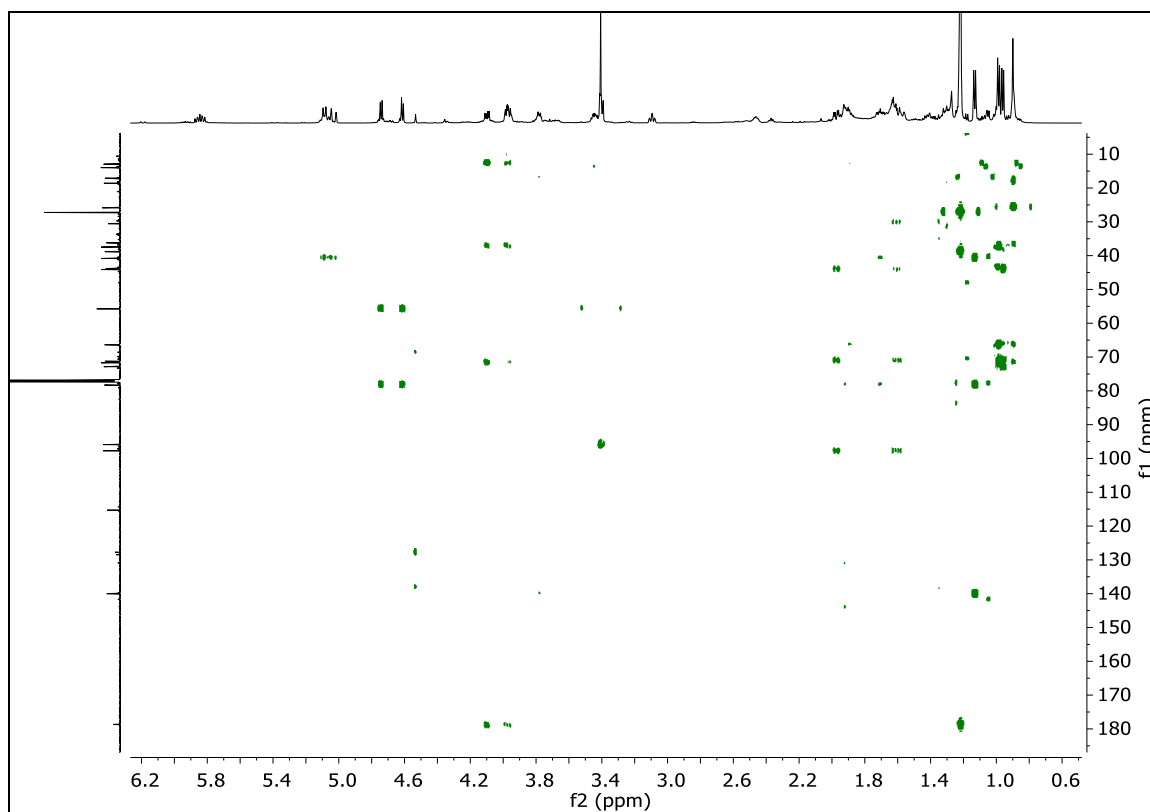
DEPT 135 spectrum of compound 22b (151 MHz, CDCl₃):



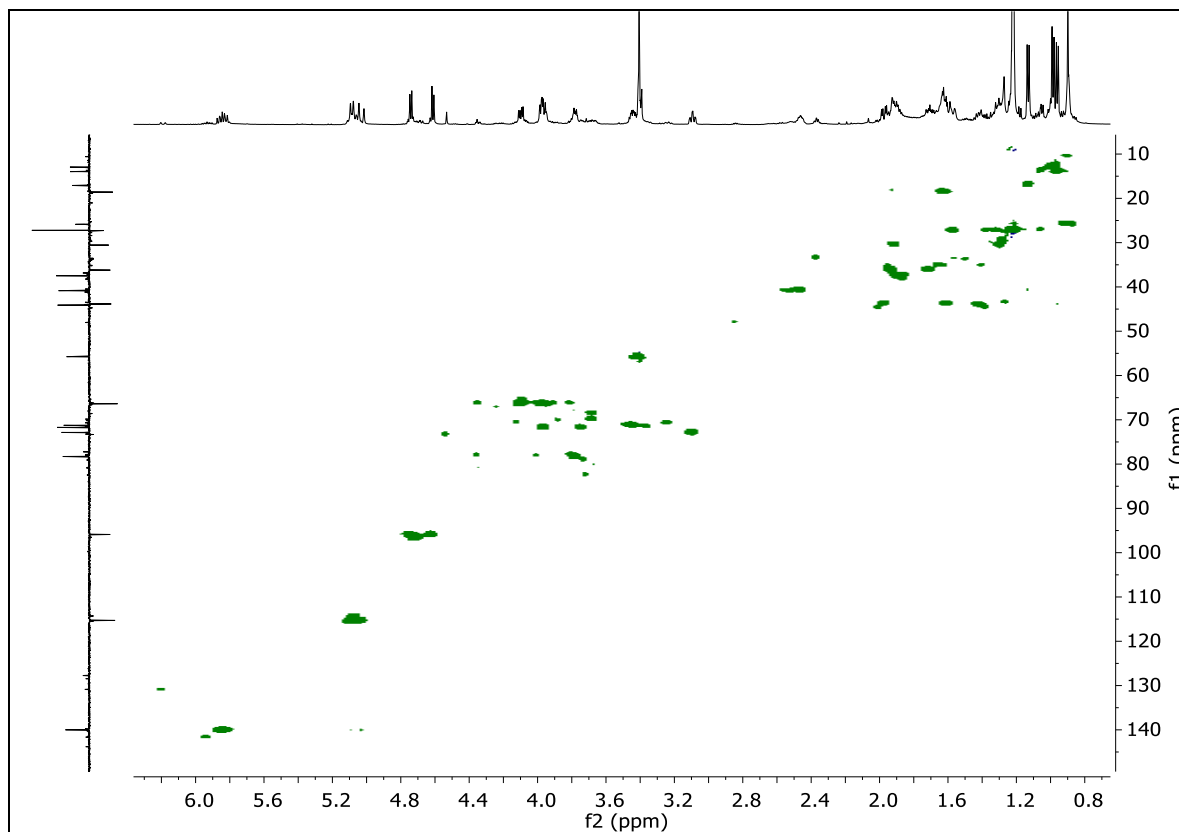
COSY spectrum of compound 22b (600 MHz, CDCl₃):



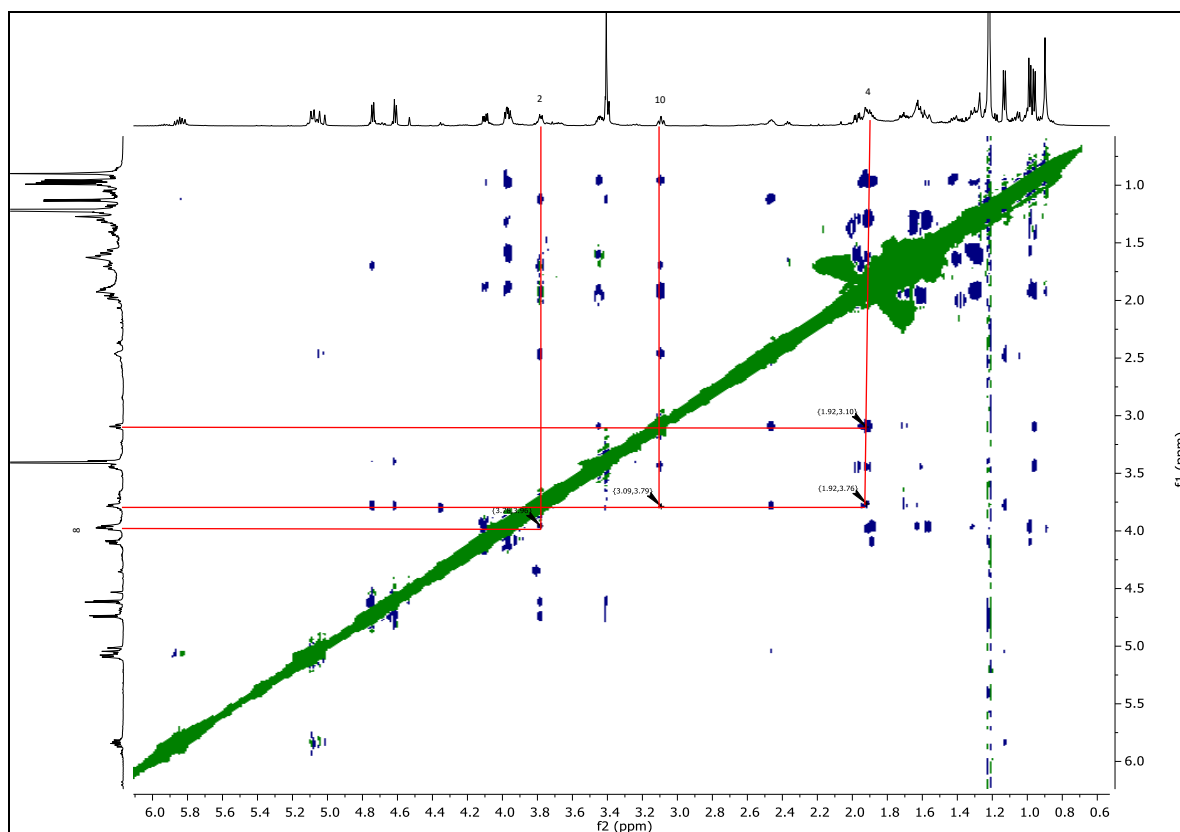
HMBC spectrum of compound 22b (151 MHz, CDCl₃):



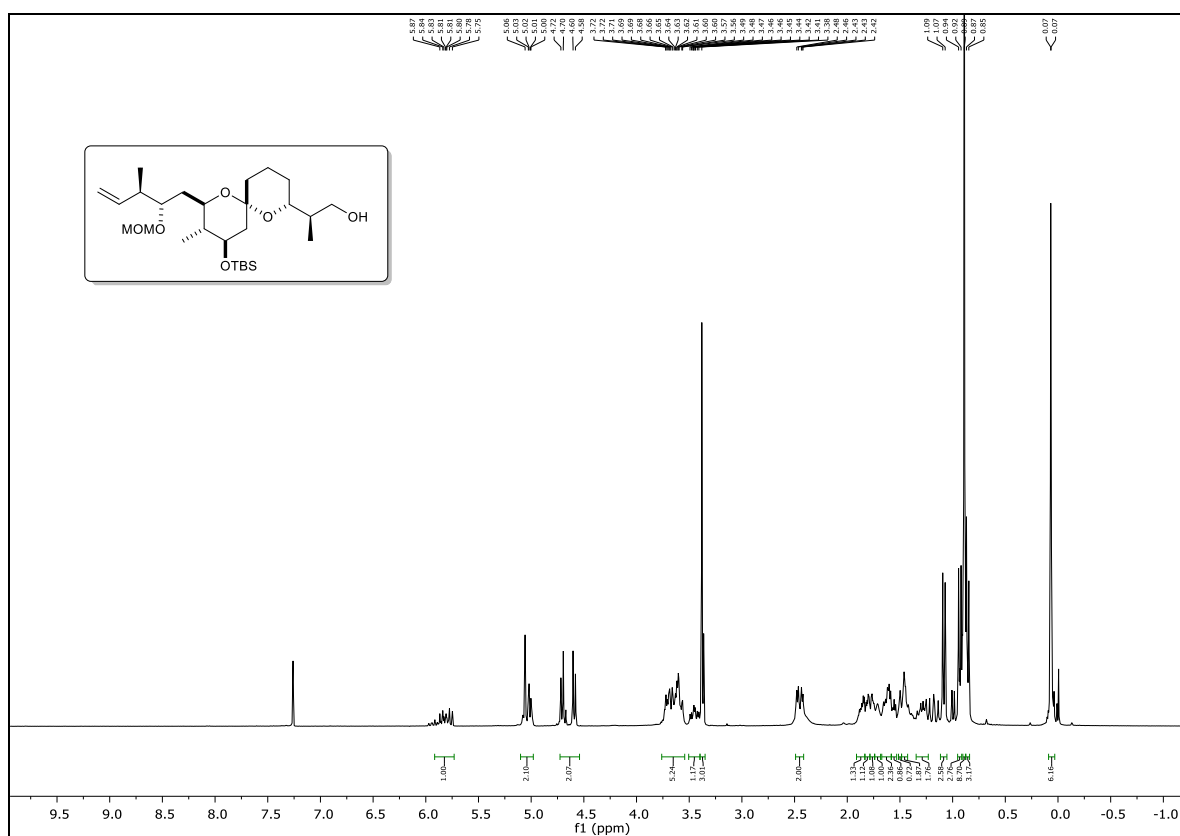
HSQC spectrum of compound 22b (151 MHz, CDCl₃):



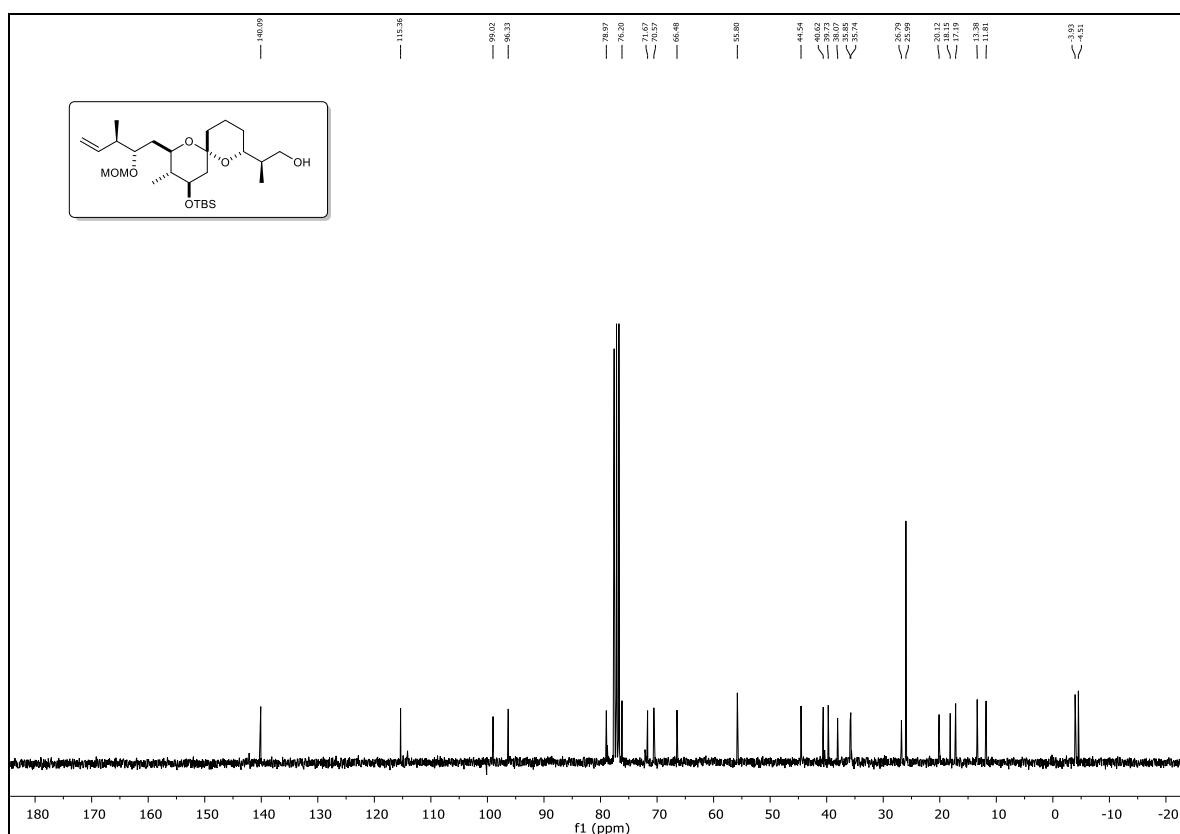
NOESY spectrum of compound 22b (75 MHz, CDCl₃):



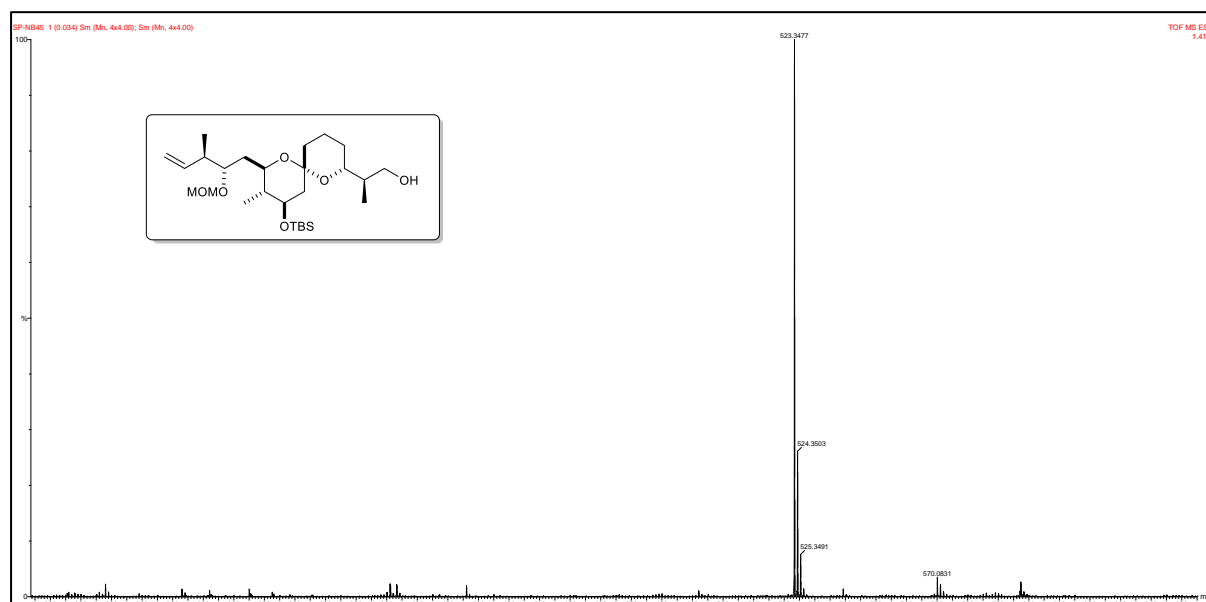
¹H NMR spectrum of compound 23 (300 MHz, CDCl₃):



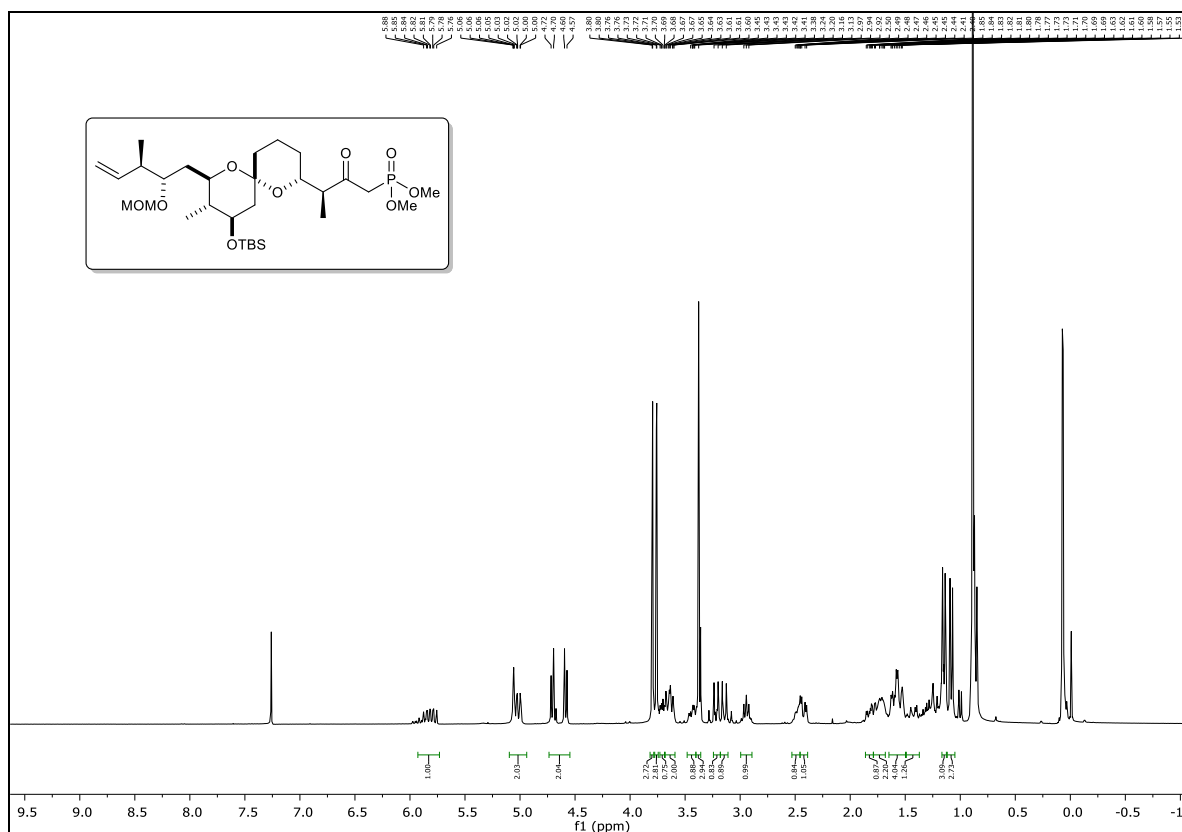
^{13}C NMR spectrum of compound 23 (75 MHz, CDCl_3):



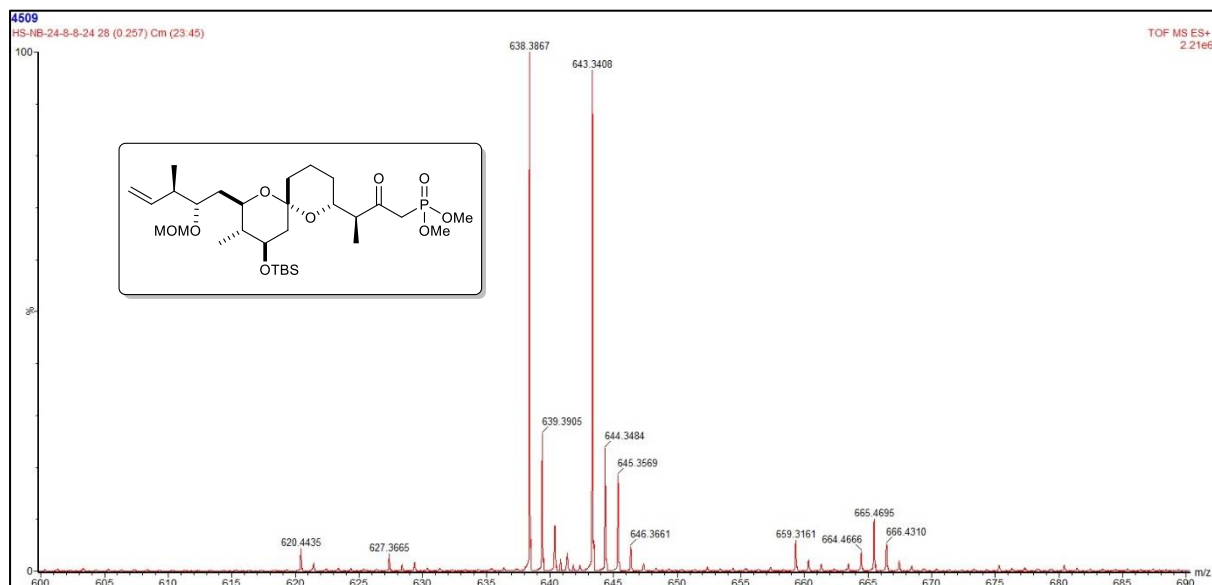
HRMS spectrum of compound 23:



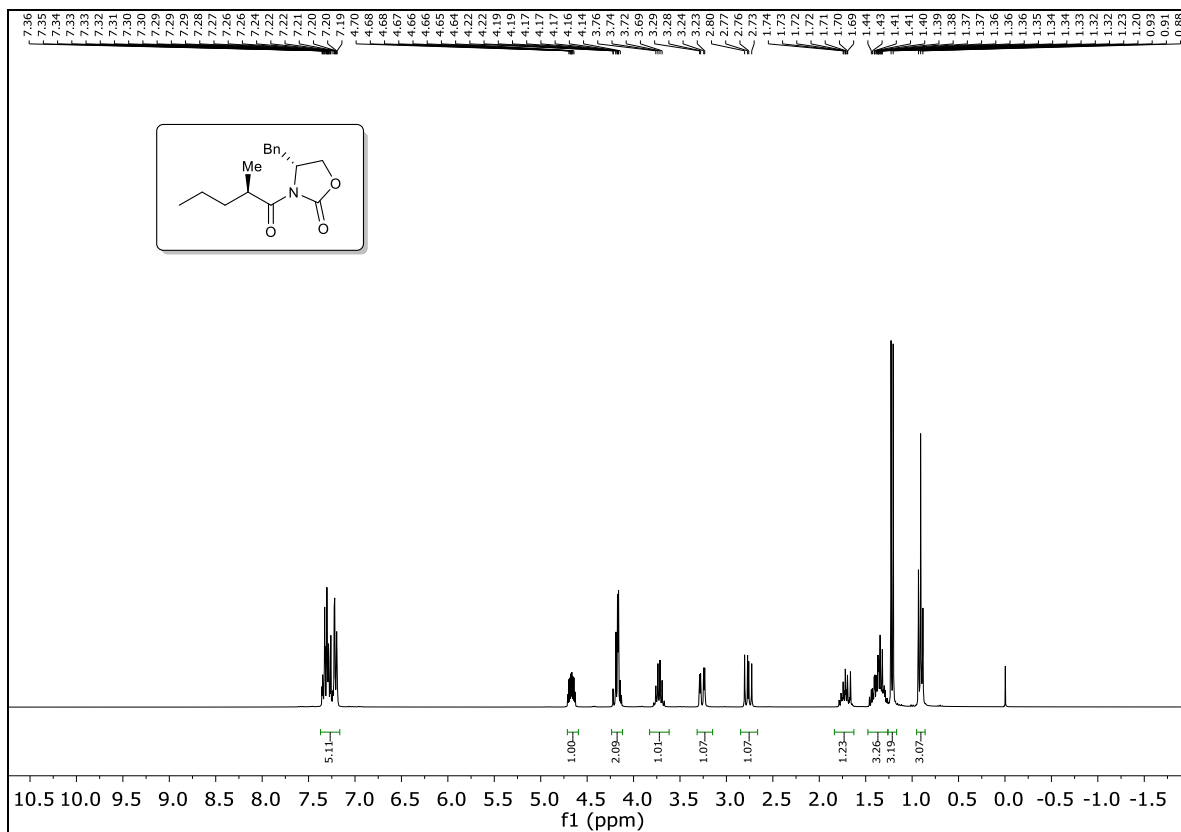
¹H NMR spectrum of compound 5 (300 MHz, CDCl₃):



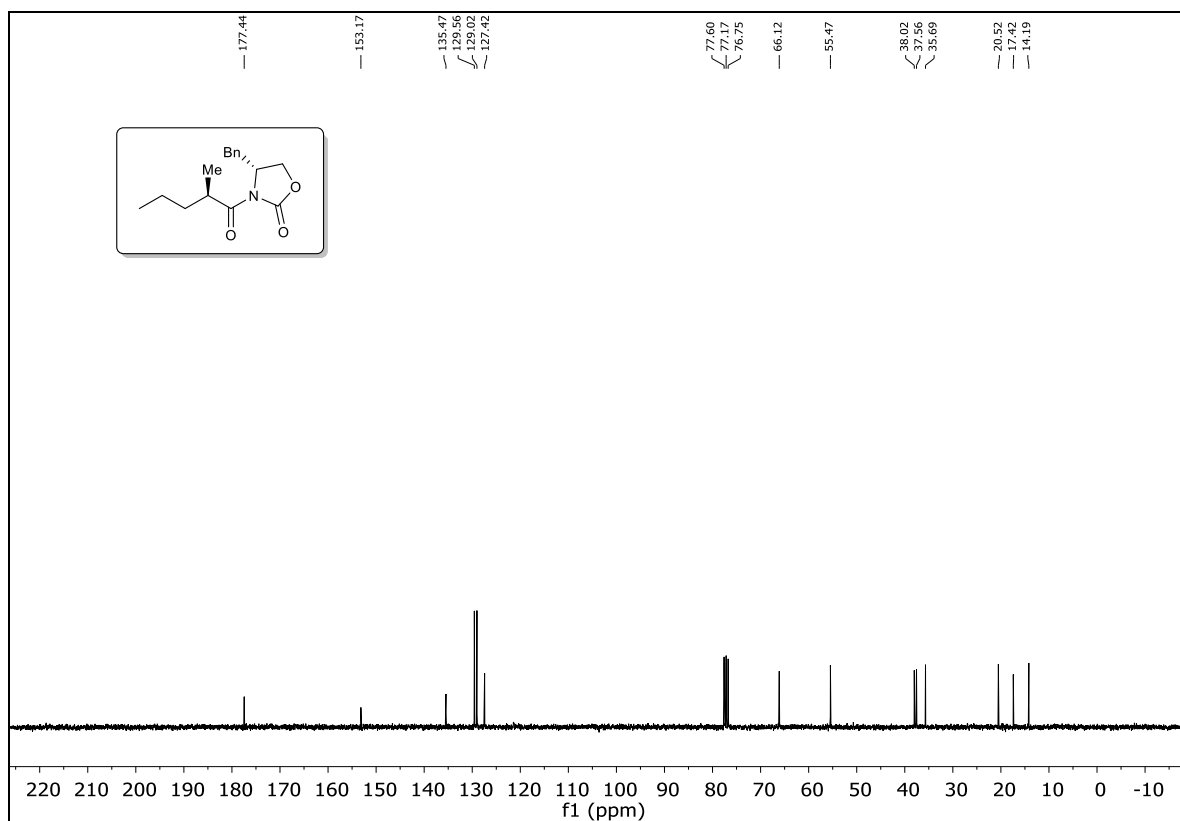
HRMS spectrum of compound 5:



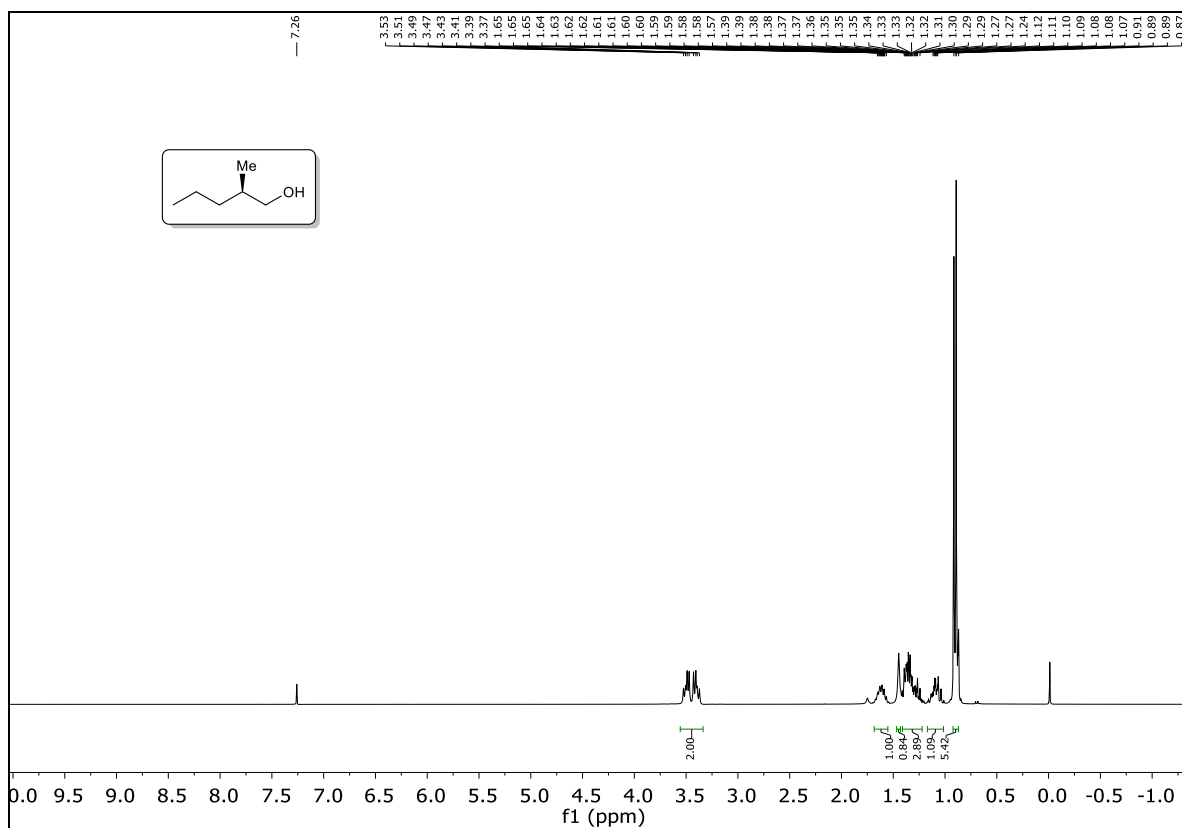
¹H NMR spectrum of compound 26 (300 MHz, CDCl₃):



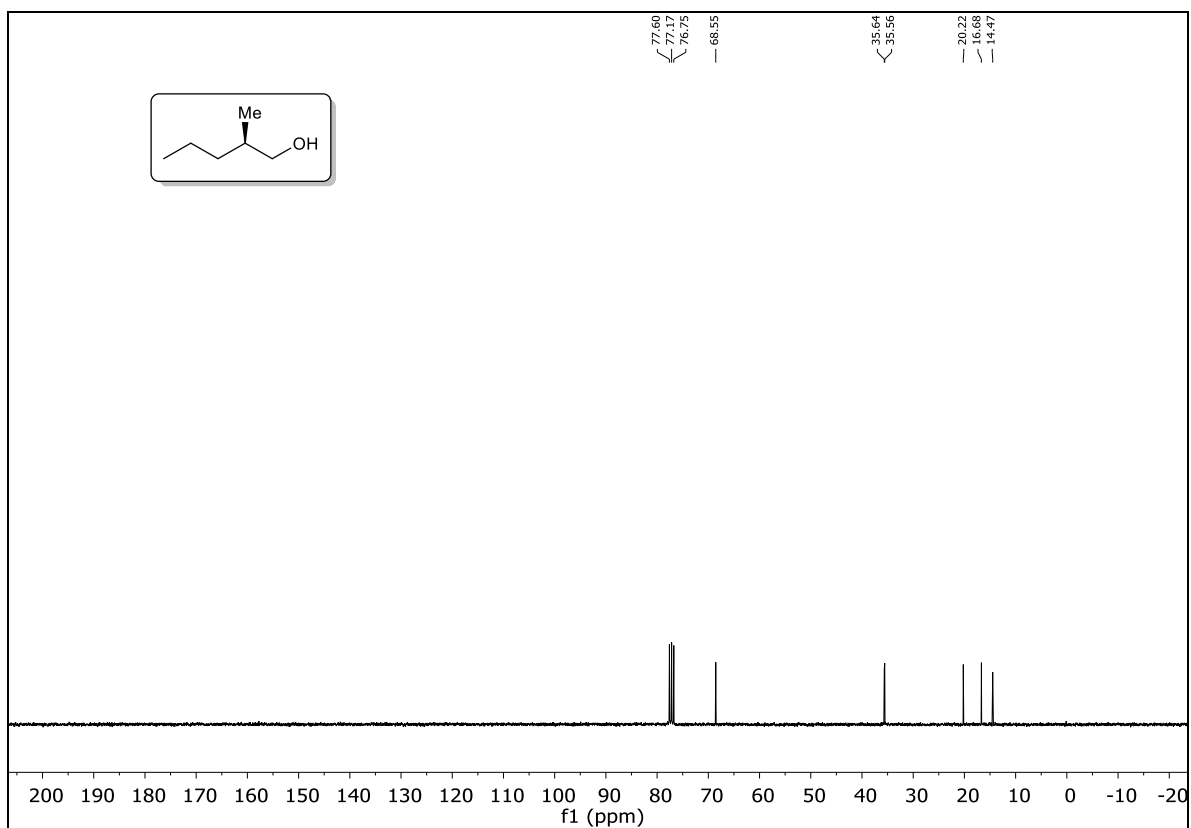
¹³C NMR spectrum of compound 26 (75 MHz, CDCl₃):



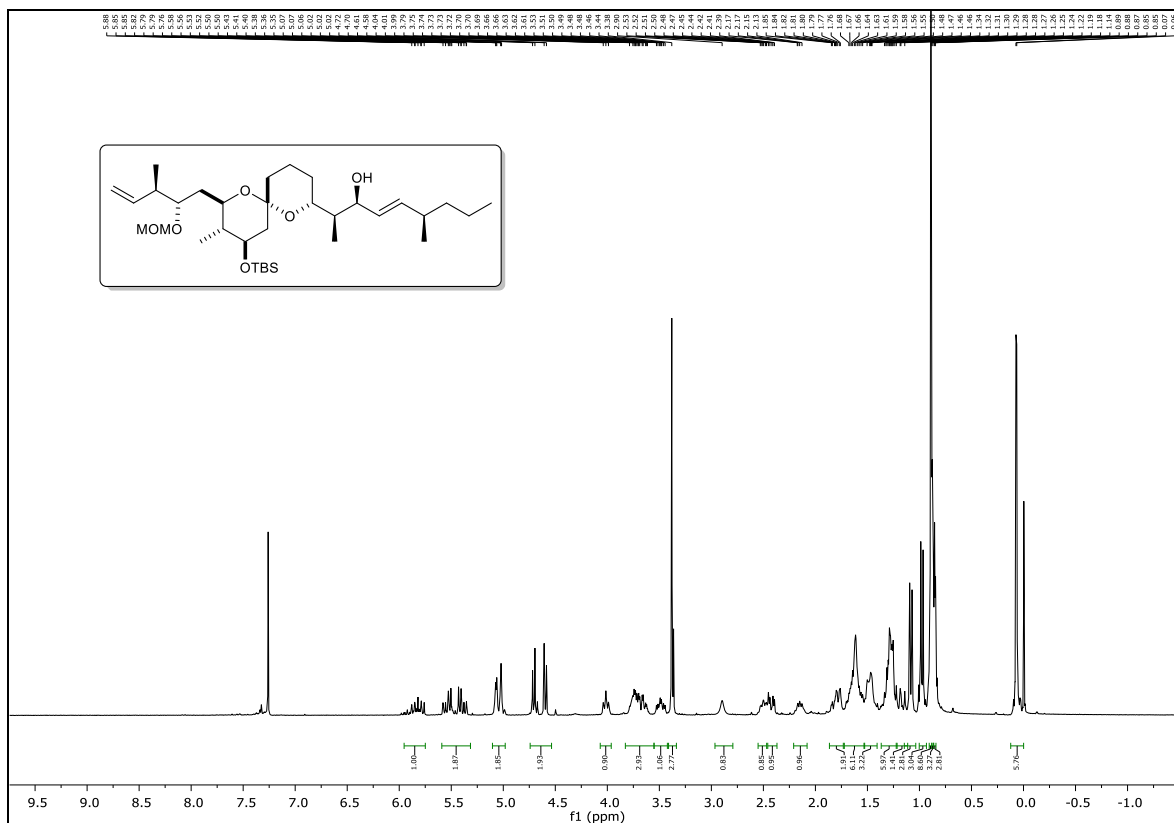
¹H NMR spectrum of compound 6 (300 MHz, CDCl₃):



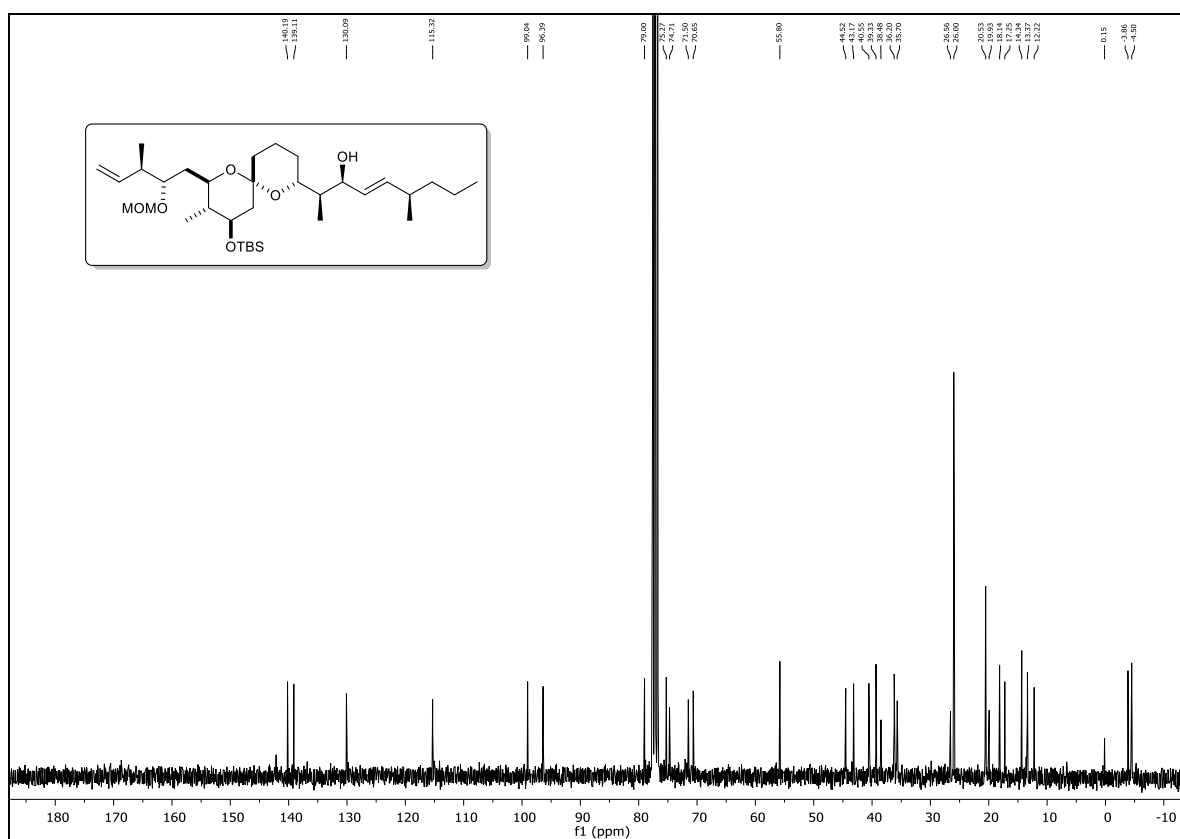
¹³C NMR spectrum of compound 6 (75 MHz, CDCl₃):



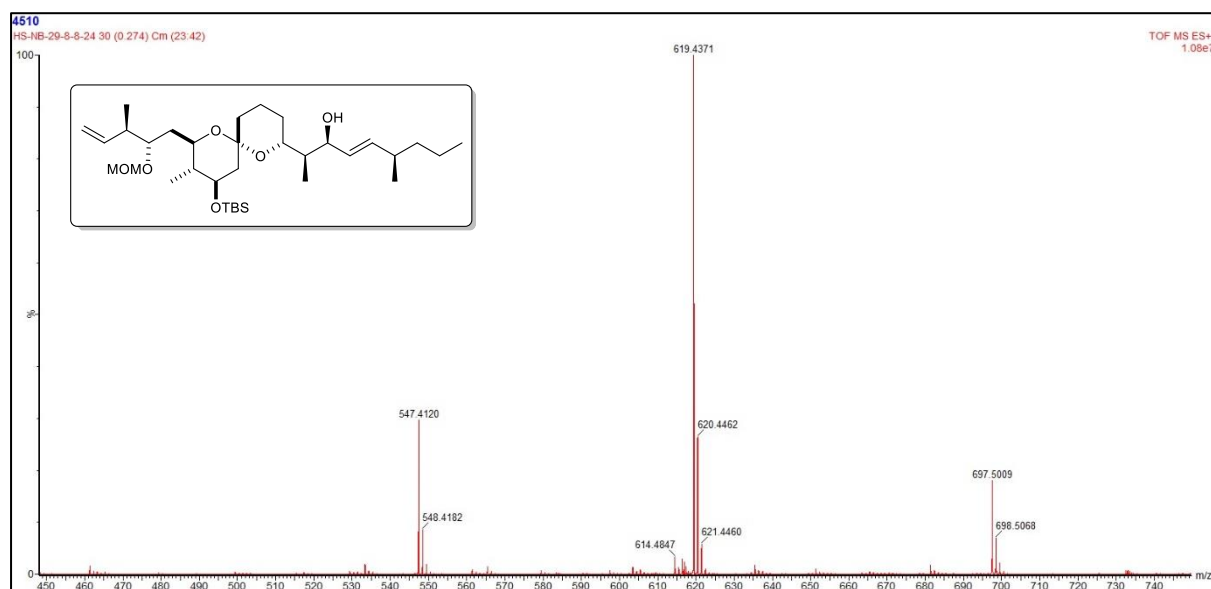
¹H NMR spectrum of compound 4 (300 MHz, CDCl₃):



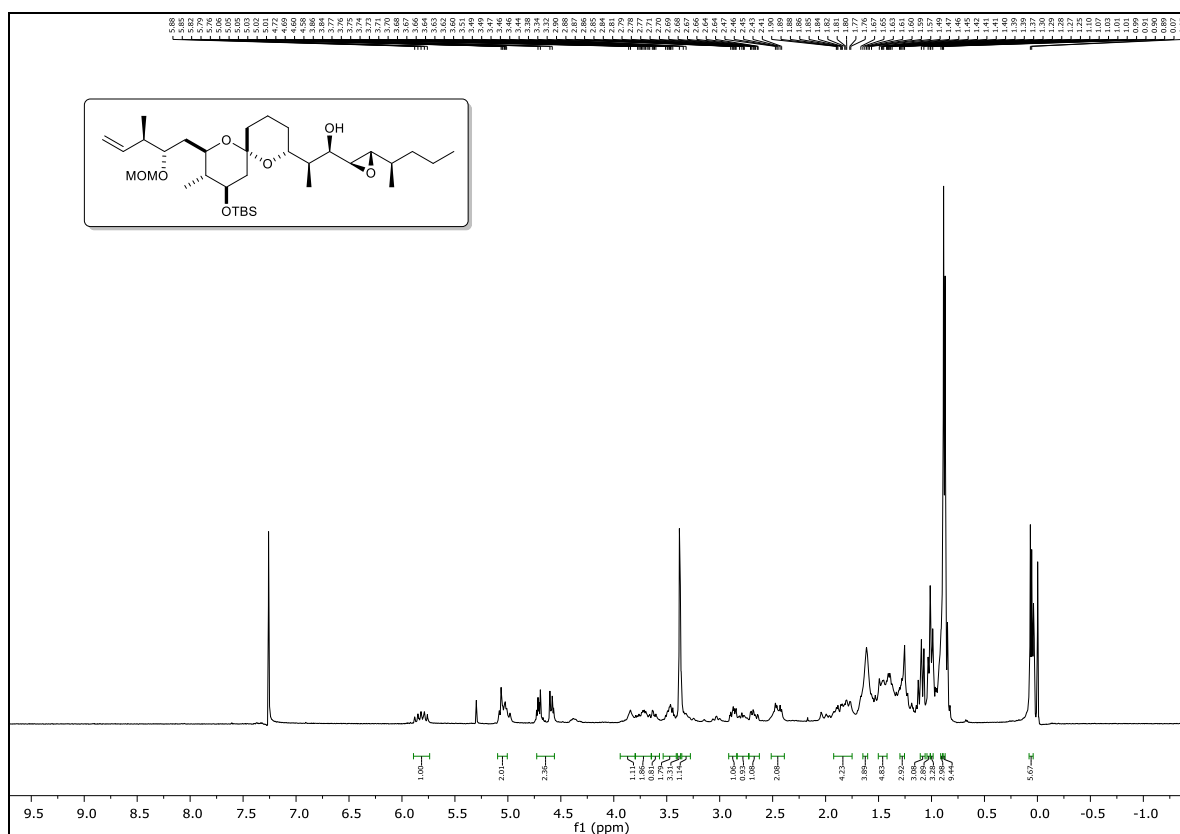
^{13}C NMR spectrum of compound 4 (75 MHz, CDCl_3):



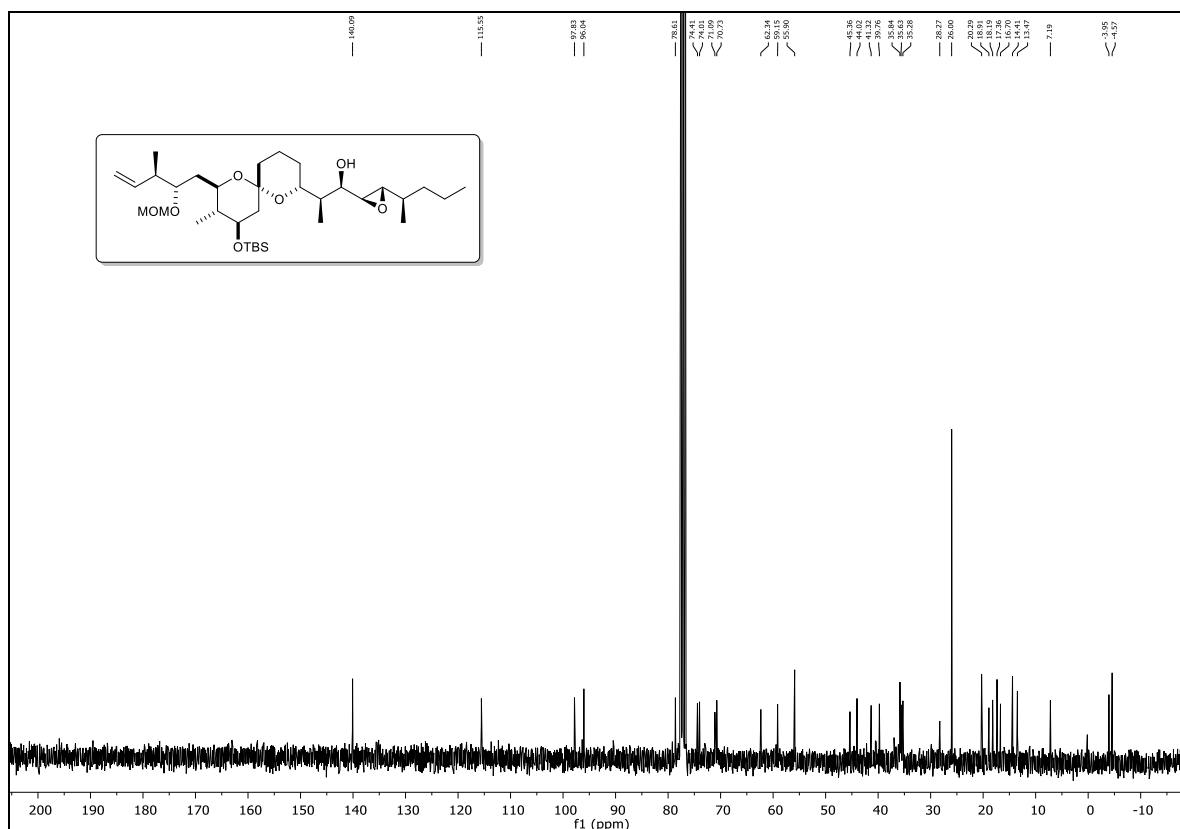
HRMS spectrum of compound 4:



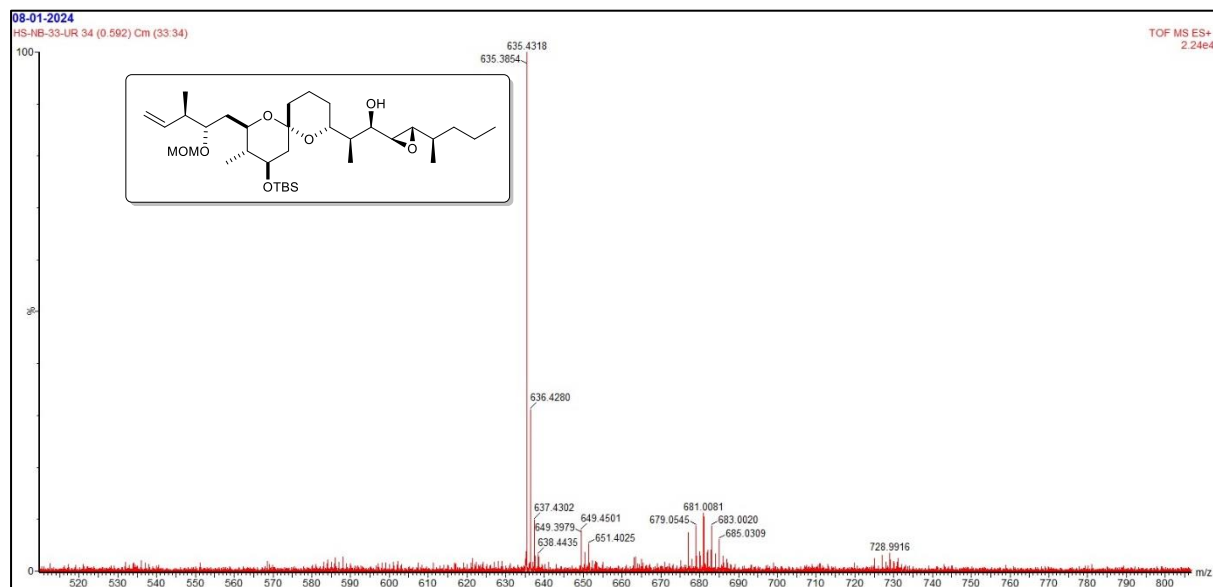
¹H NMR spectrum of compound 27a (300 MHz, CDCl₃):



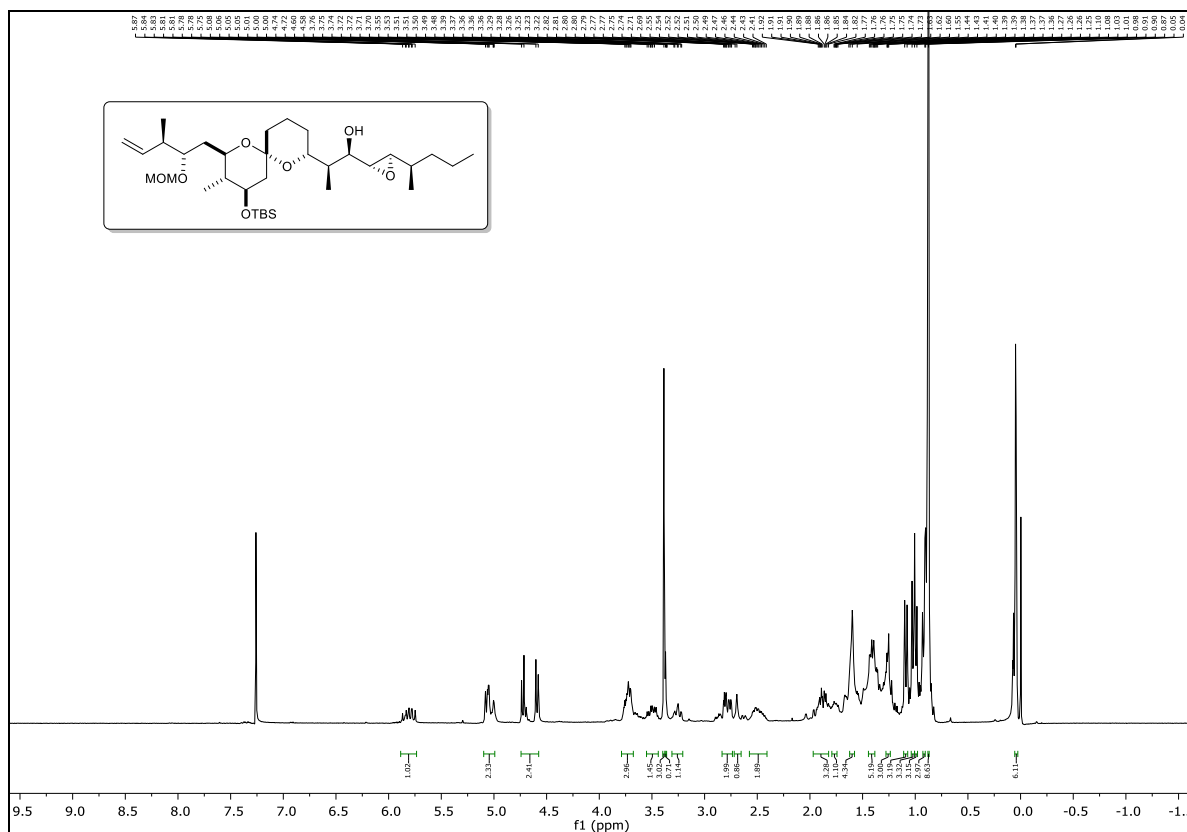
¹³C NMR spectrum of compound 27a (75 MHz, CDCl₃):



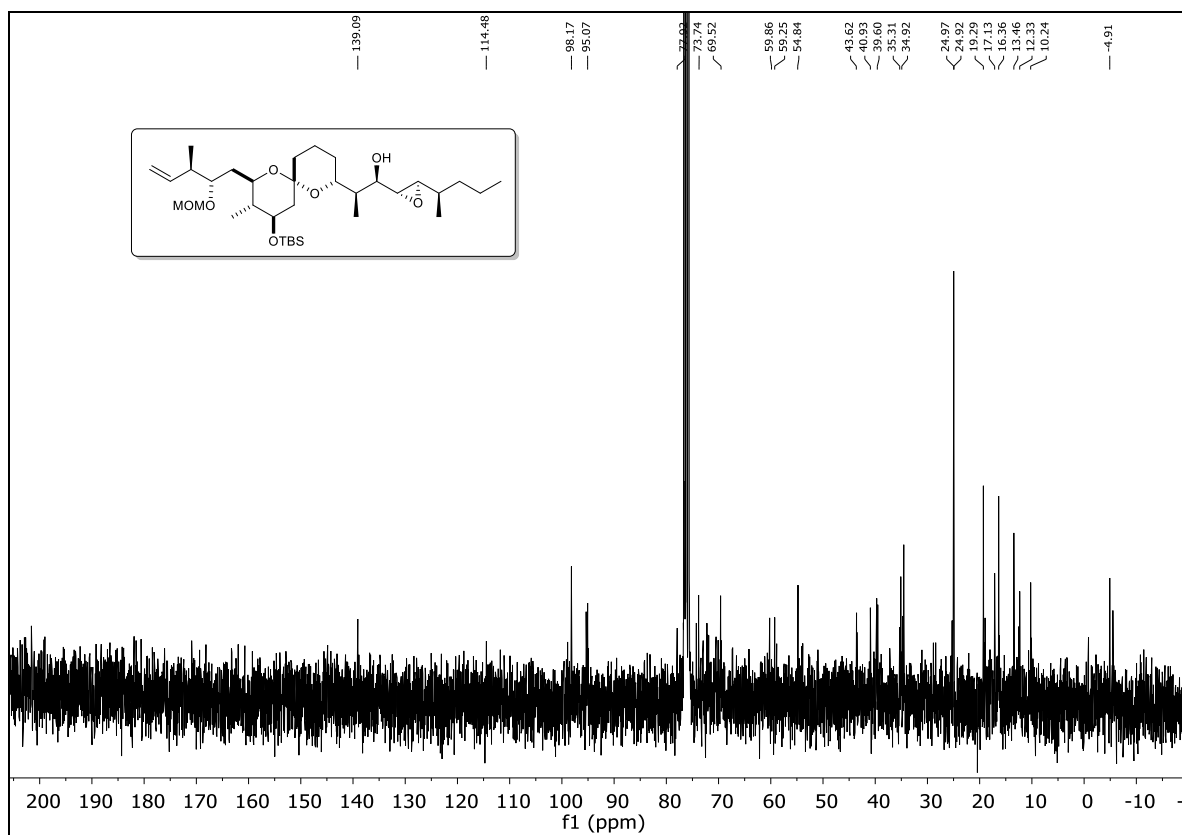
HRMS spectrum of compound 27a:



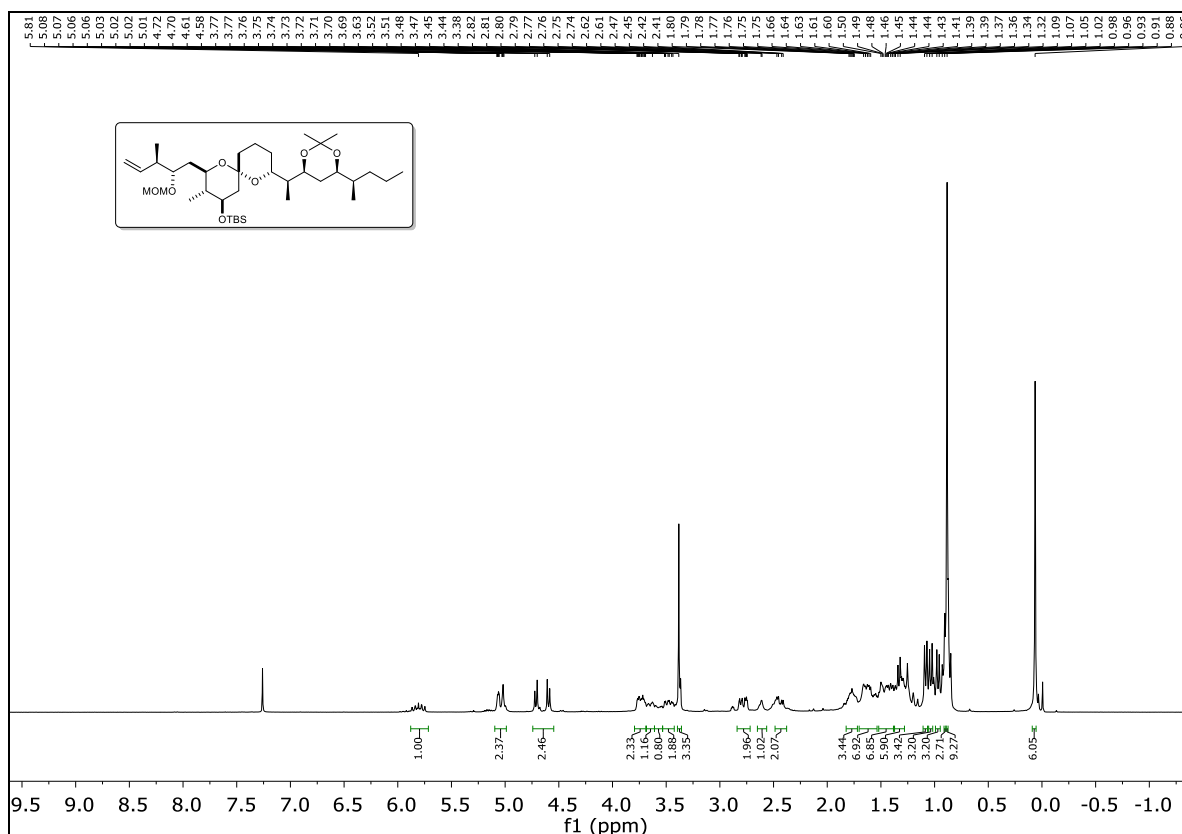
¹H NMR spectrum of compound 27b (300 MHz, CDCl₃):



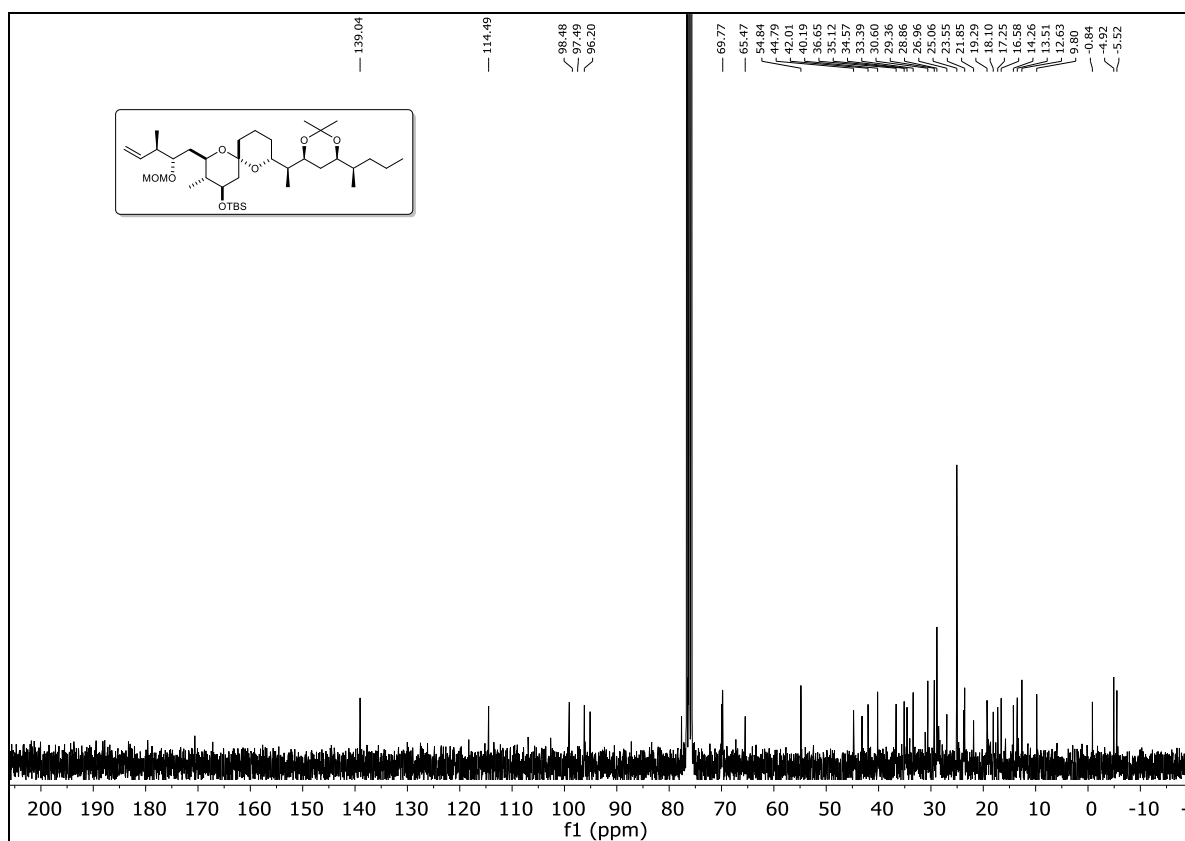
¹³C NMR spectrum of compound 27b (75 MHz, CDCl₃):



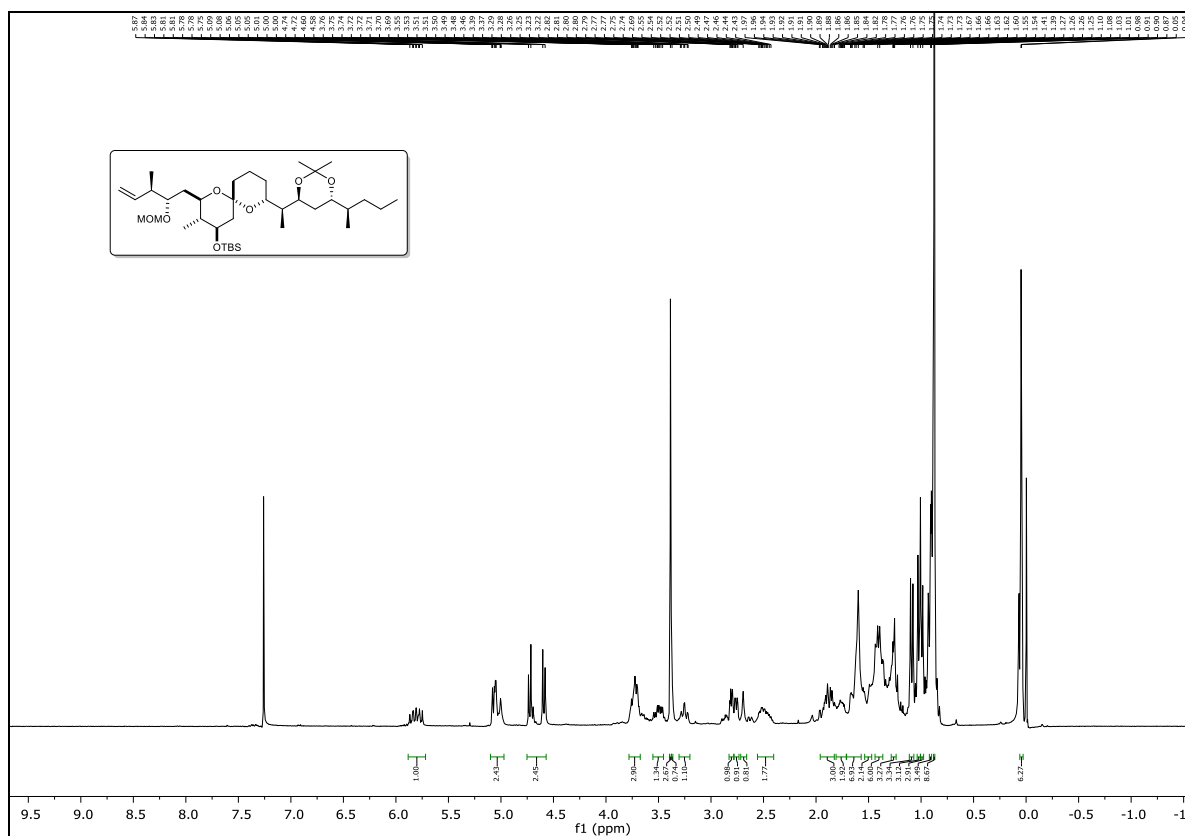
¹H NMR spectrum of compound 28a (300 MHz, CDCl₃):



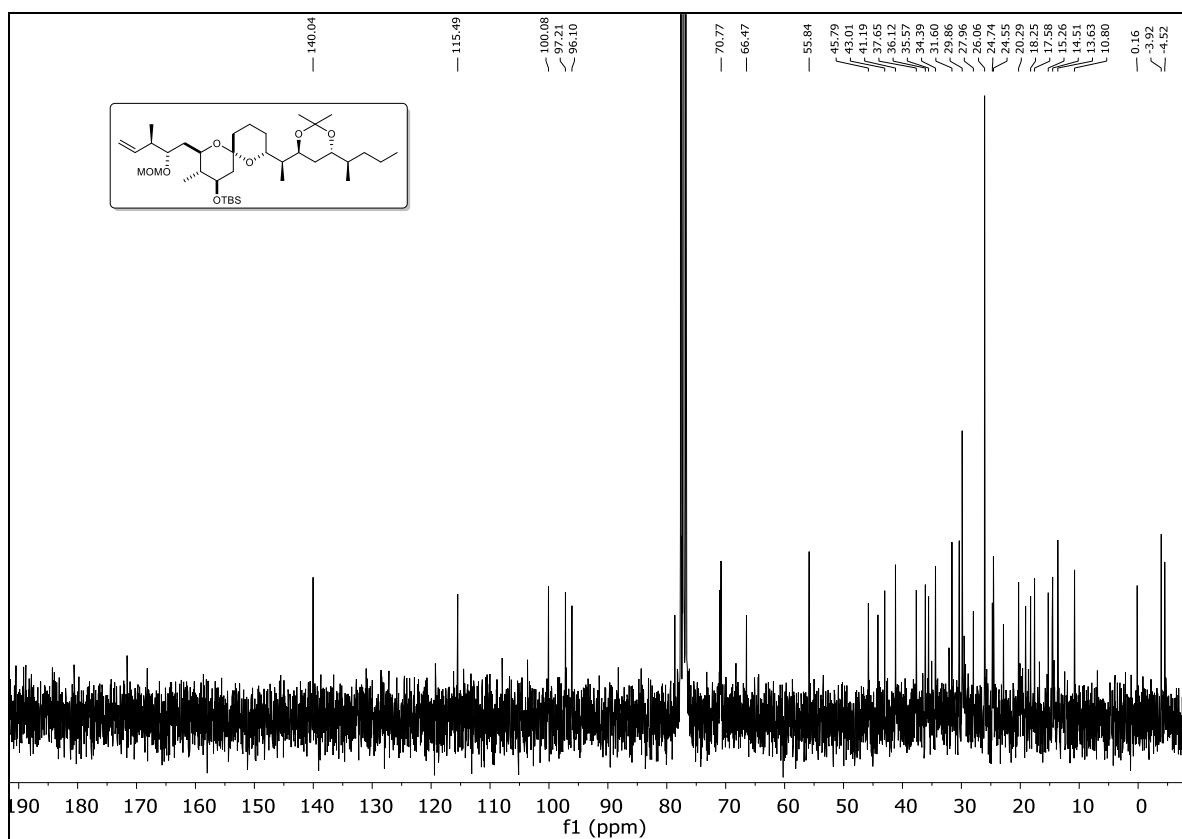
¹³C NMR spectrum of compound 28a (75 MHz, CDCl₃):



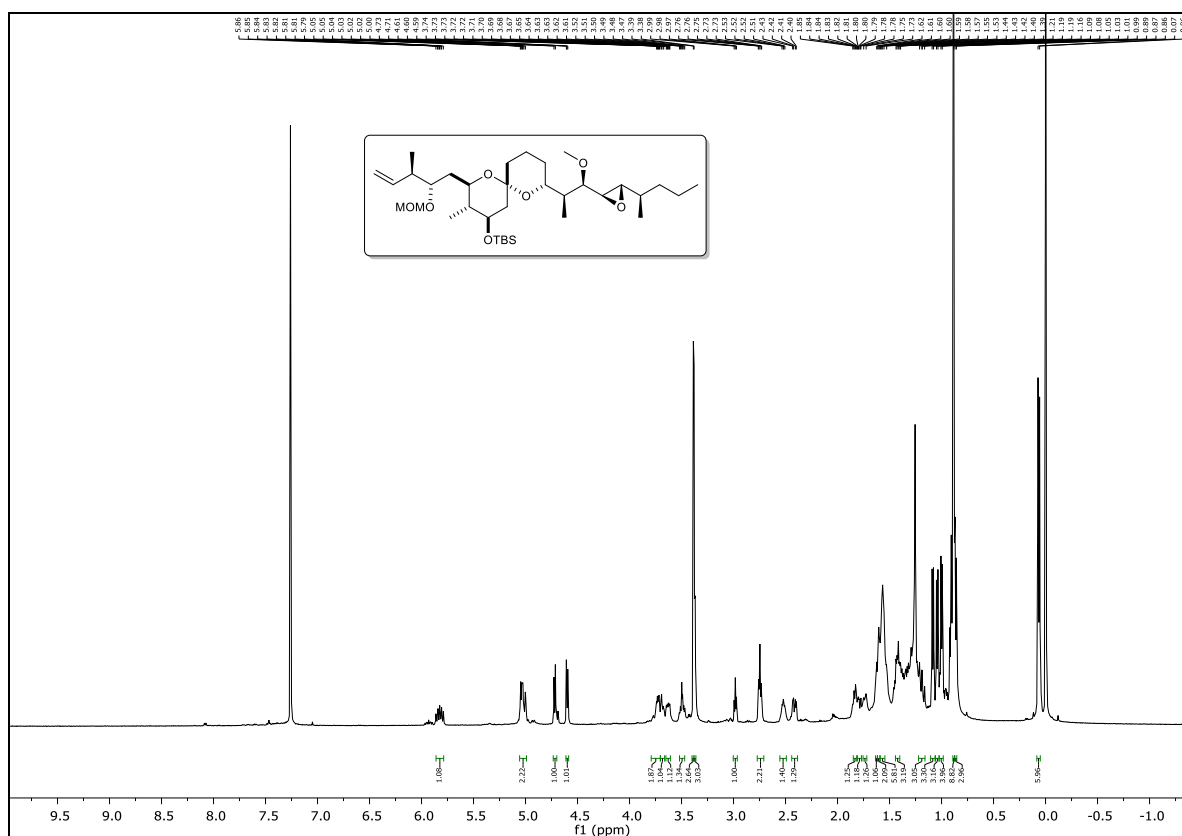
¹H NMR spectrum of compound 28b (300 MHz, CDCl₃):



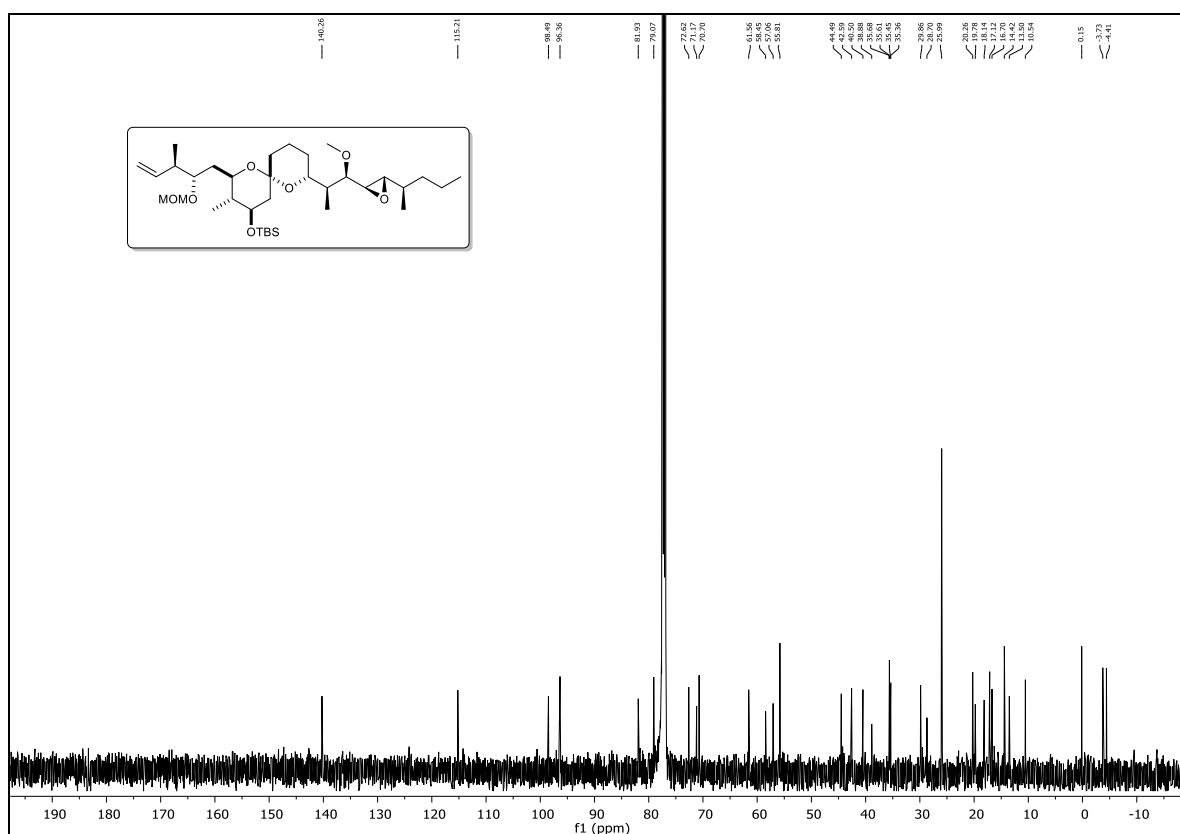
¹³C NMR spectrum of compound 28b (75 MHz, CDCl₃):



¹H NMR spectrum of compound 2 (300 MHz, CDCl₃):



^{13}C NMR spectrum of compound 2 (75 MHz, CDCl_3):



HRMS spectrum of compound 2:

