

Total Synthesis of (*3S, 5R, 3'S, 5'R*)-Capsorubin

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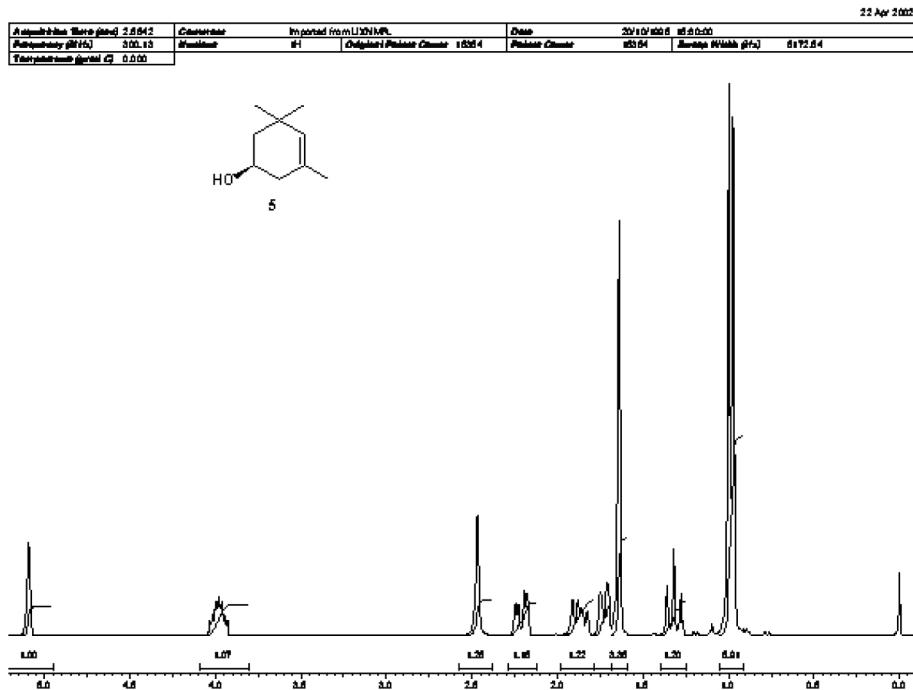


Figure S1. ^1H NMR spectrum of compound 5 (300 MHz, CDCl_3).

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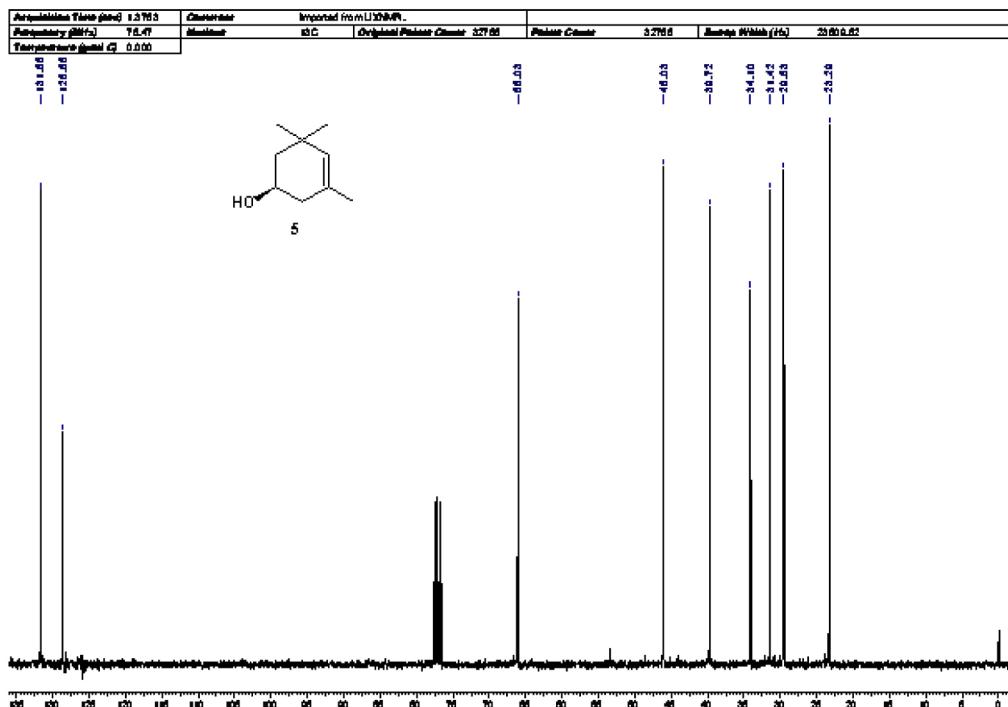


Figure S2. ^{13}C NMR spectrum of compound **5** (75 MHz, CDCl_3).

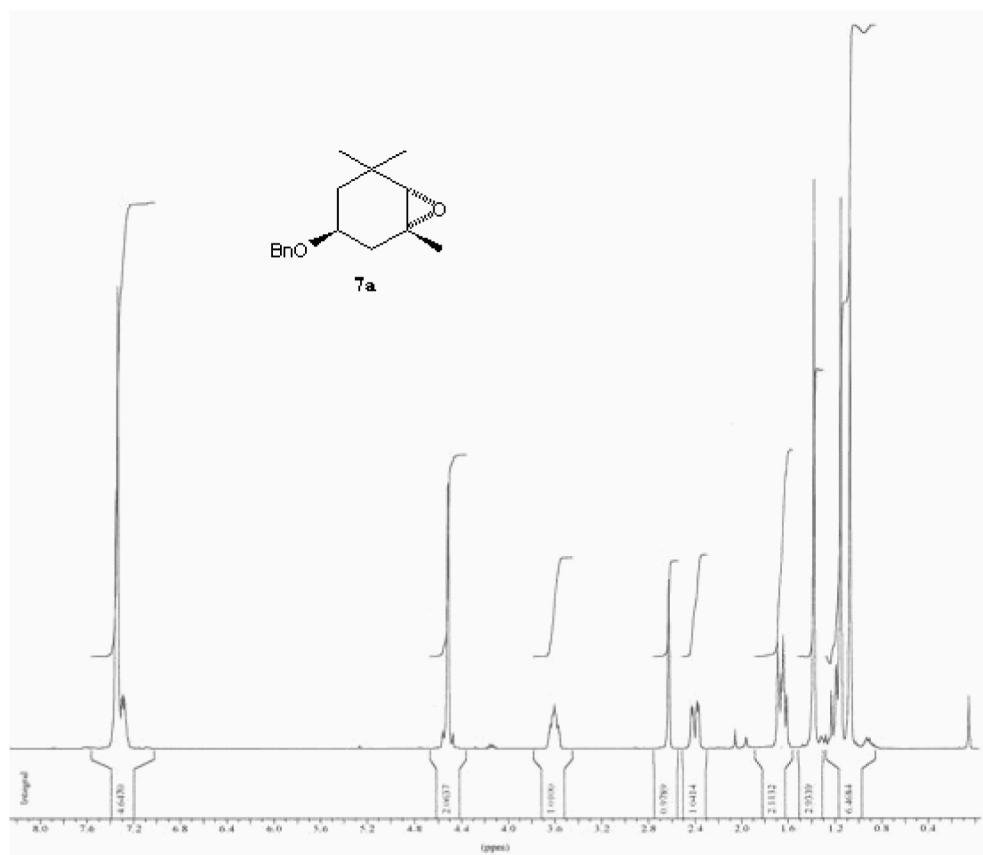


Figure S3. ^1H NMR spectrum of compound **7a** (300 MHz, CDCl_3).

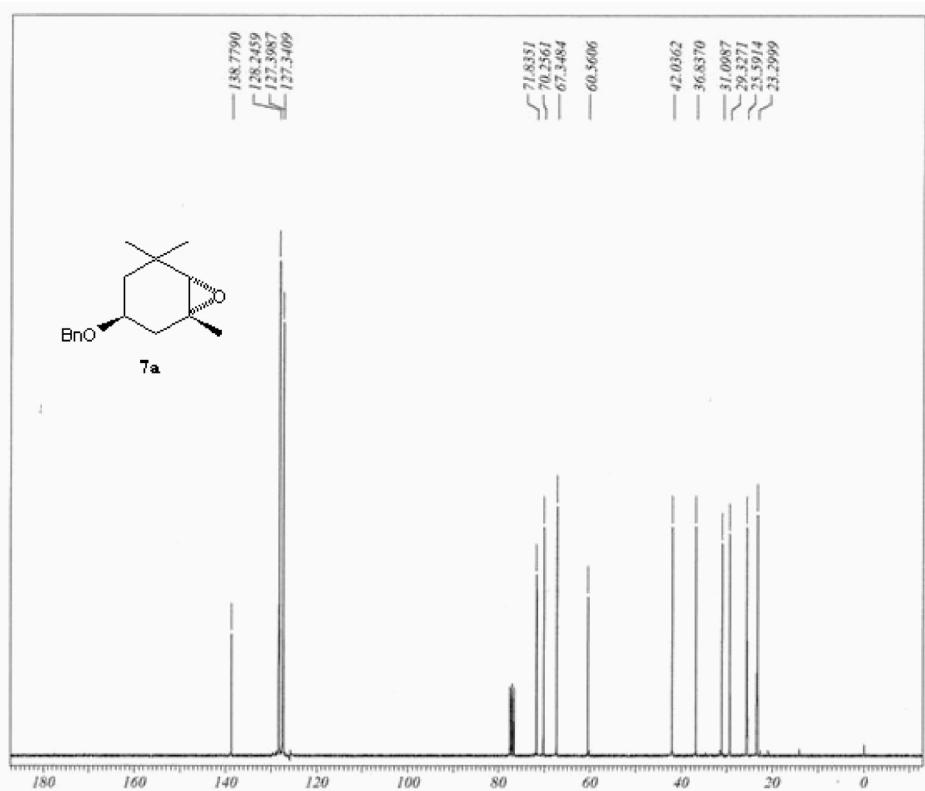


Figure S4. ¹³C NMR spectrum of compound 7a (75 MHz, CDCl₃).

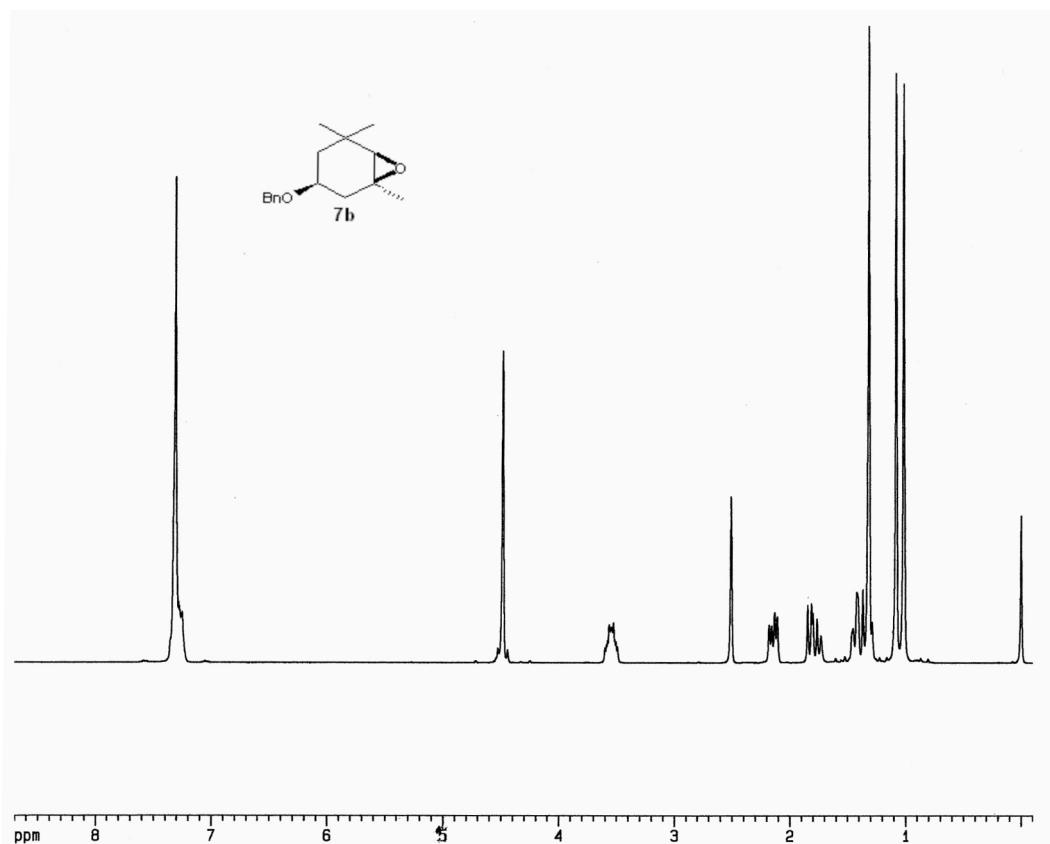


Figure S5. ¹H NMR spectrum of compound 7b (75 MHz, CDCl₃).

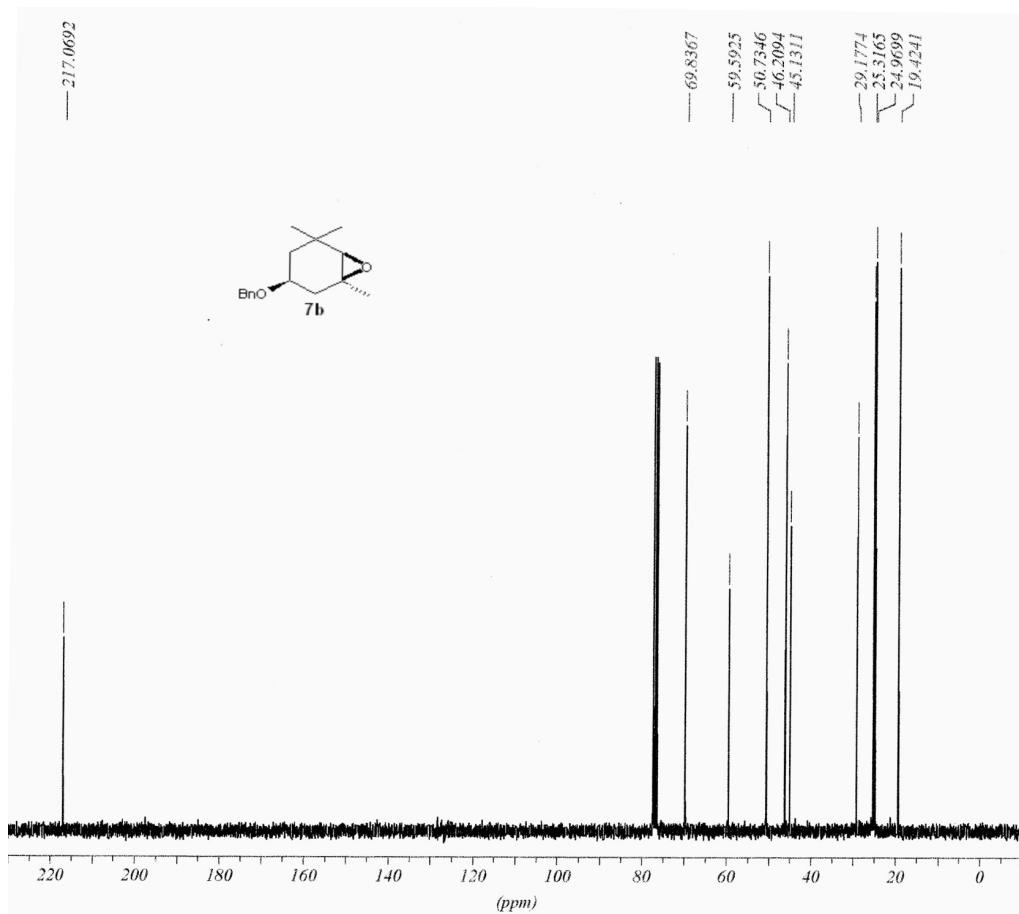


Figure S6. ¹³C NMR spectrum of compound 7b (75 MHz, CDCl₃).

Acquisition Time (sec)	3.9984	Comments	PROTEIN E C 500.4 μm 4	Date	
Frequency (MHz)	401.13	Number	1H	Original Points Count	32768
Temperature (°C)	0.000			Points Count	32768
				Span Width (Hz)	8278.75

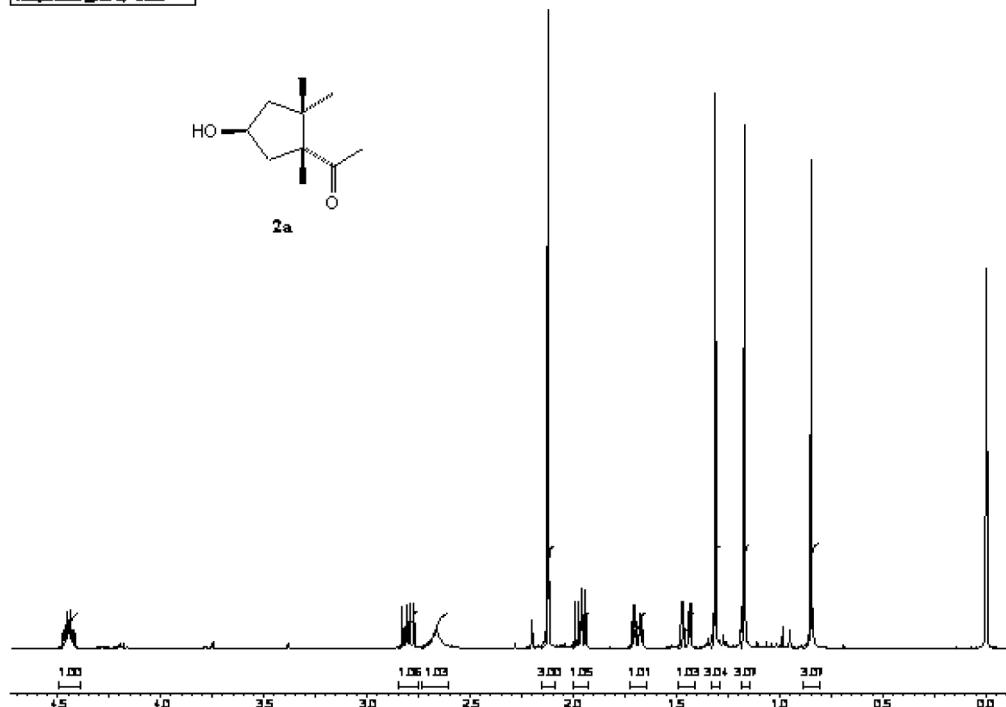


Figure S7. ¹H NMR spectrum of compound 2a (300 MHz, CDCl₃).

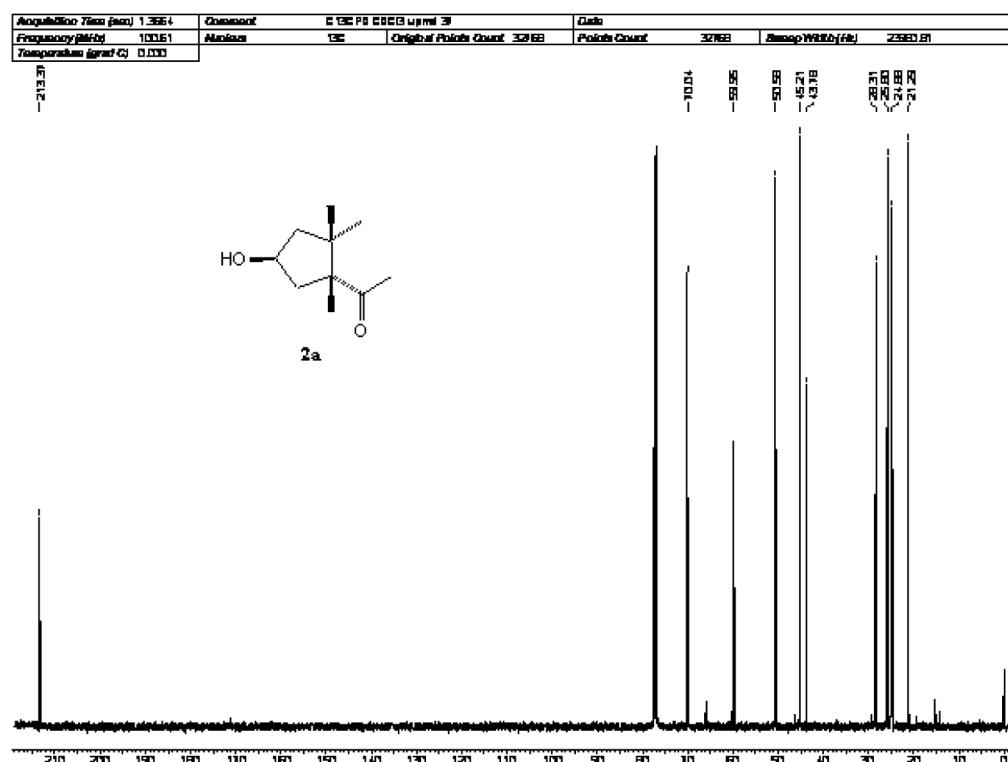


Figure S8. ^{13}C NMR spectrum of compound **2a** (75 MHz, CDCl_3).

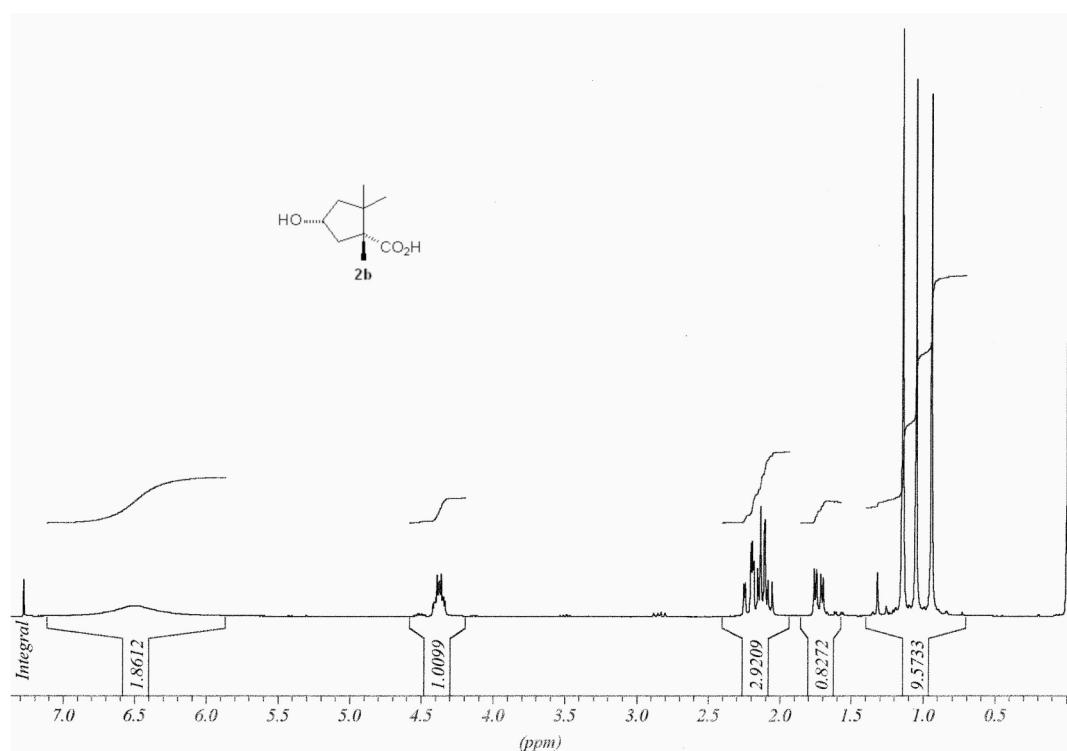


Figure S9. ^1H NMR spectrum of compound **2b** (75 MHz, CDCl_3).

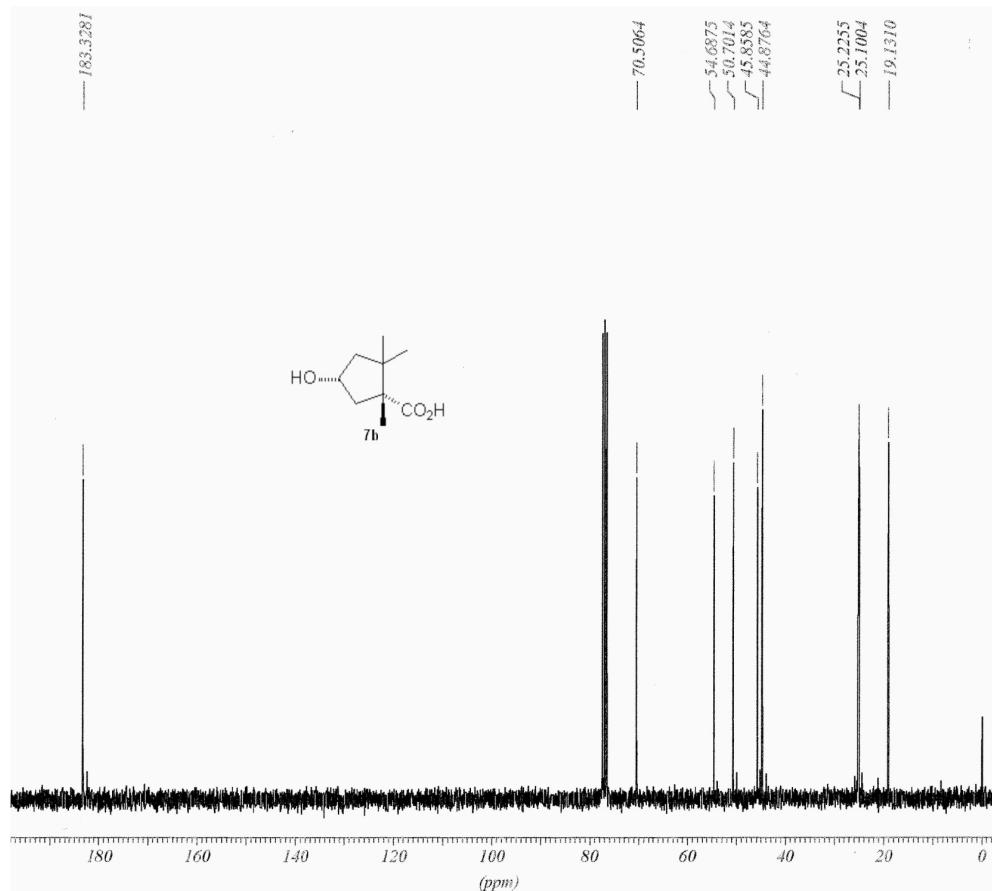


Figure S10. ^{13}C NMR spectrum of compound **2b** (75 MHz, CDCl_3).

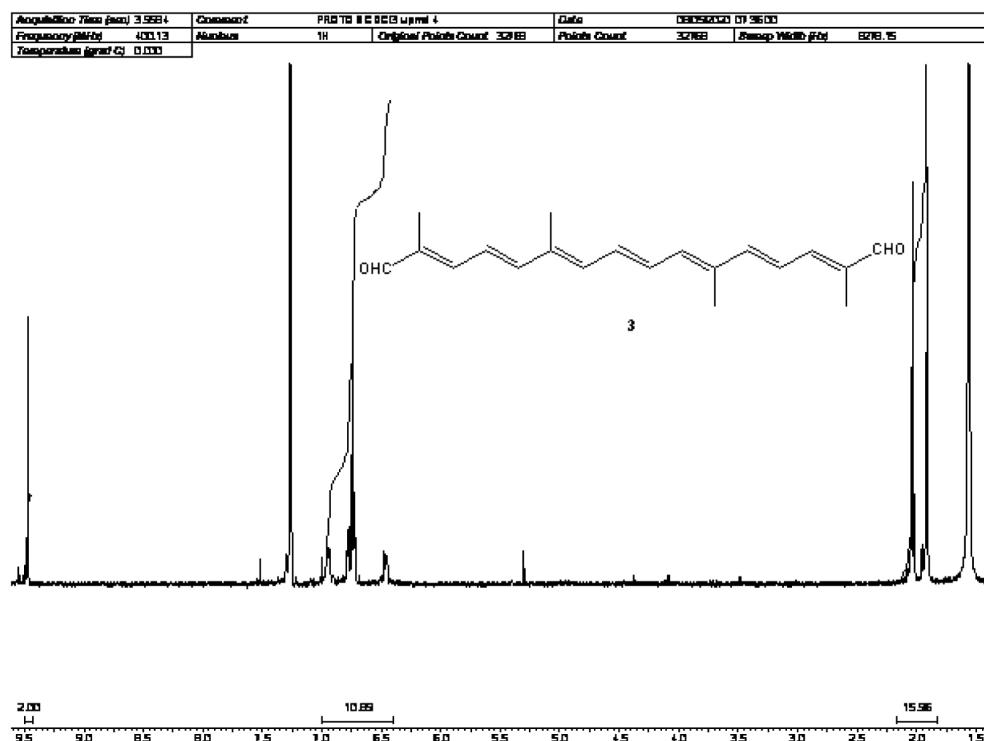
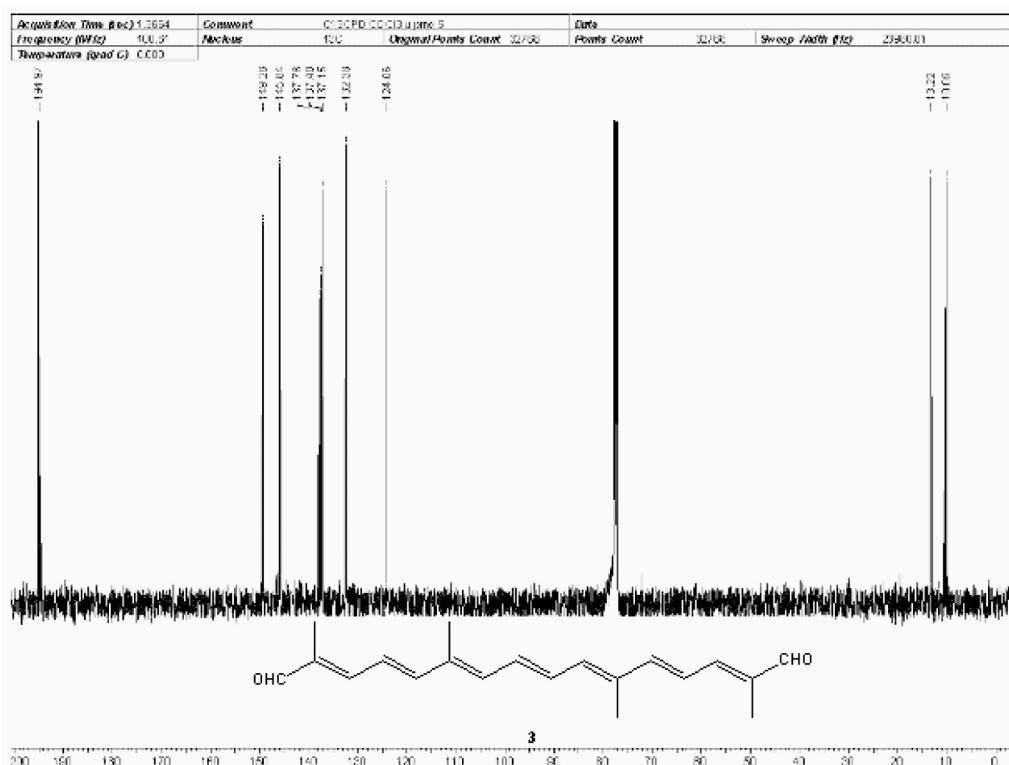
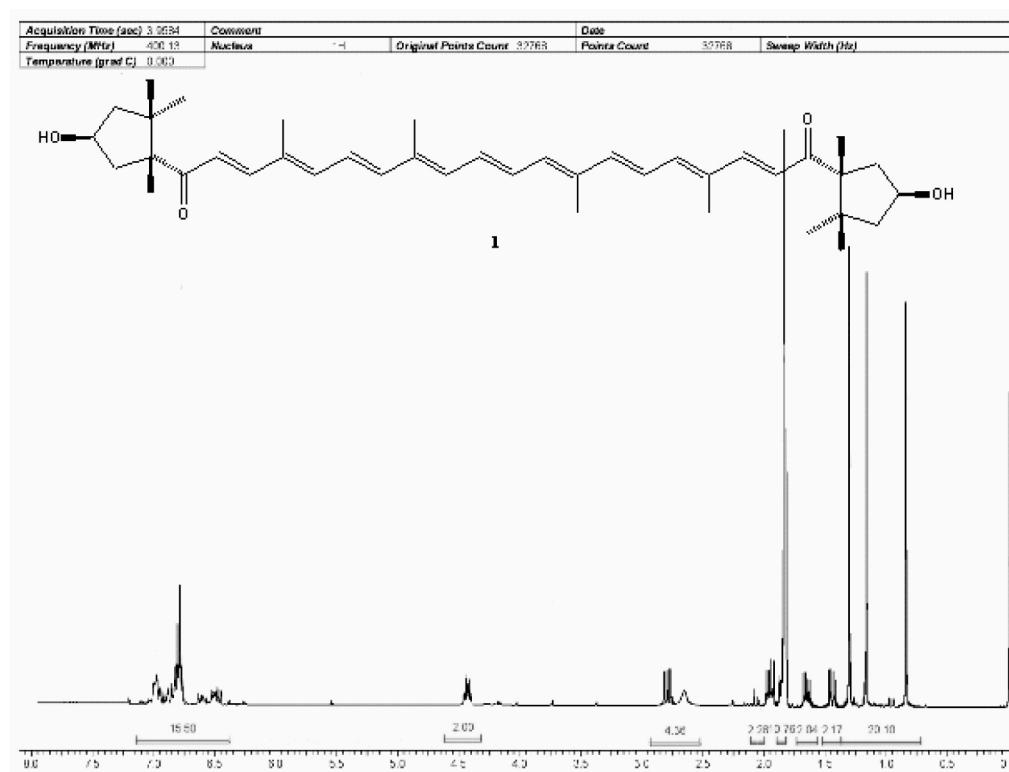


Figure S11. ^1H NMR spectrum of compound **3** (300 MHz, CDCl_3).

**Figure S12.** ¹³C NMR spectrum of compound 3 (75 MHz, CDCl₃).**Figure S13.** ¹H NMR spectrum of compound 1 (300 MHz, CDCl₃).

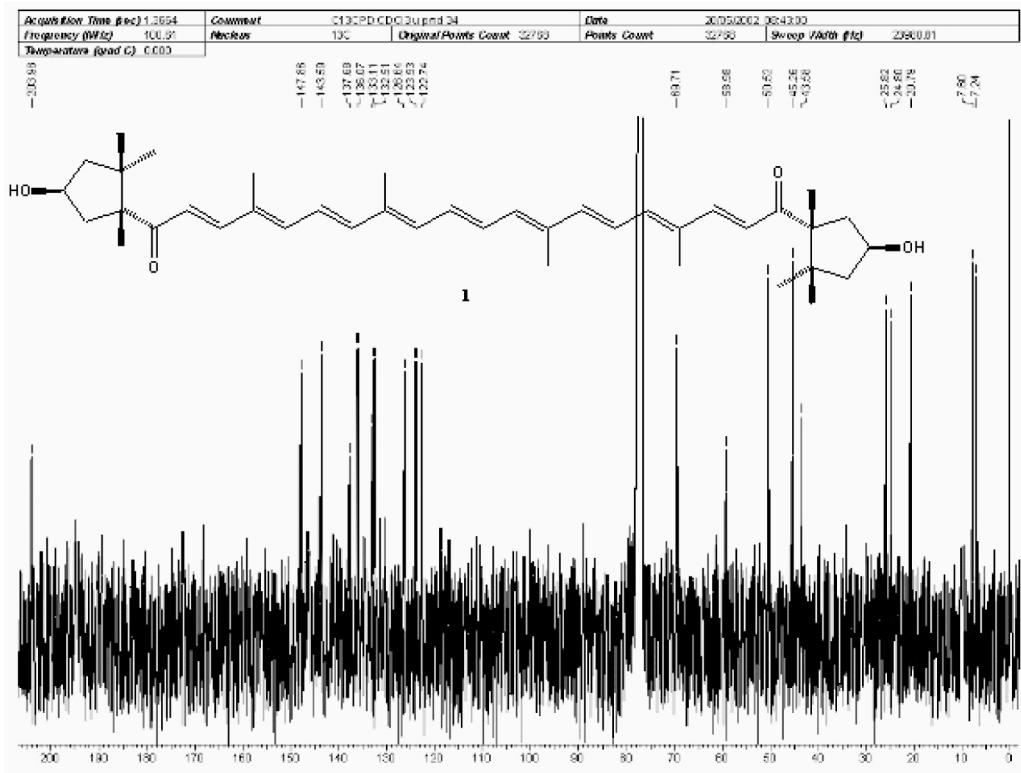


Figure S14. ¹³C NMR spectrum of compound **1** (75 MHz, CDCl₃).