

**Figure S1.** Structure of the isolated molecules of *C. brachiata*.

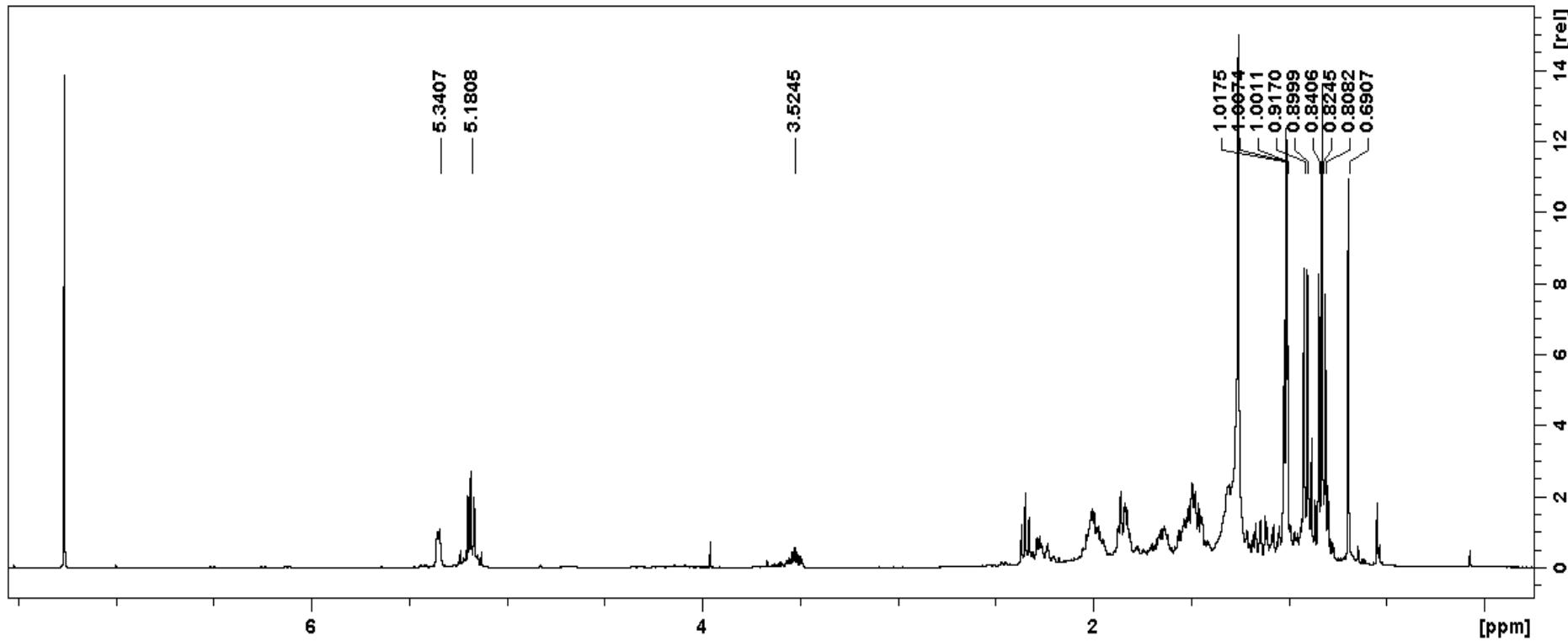


Figure S2. <sup>1</sup>H NMR spectra (400 MHz, CDCl<sub>3</sub>) of Brassicasterol (17).

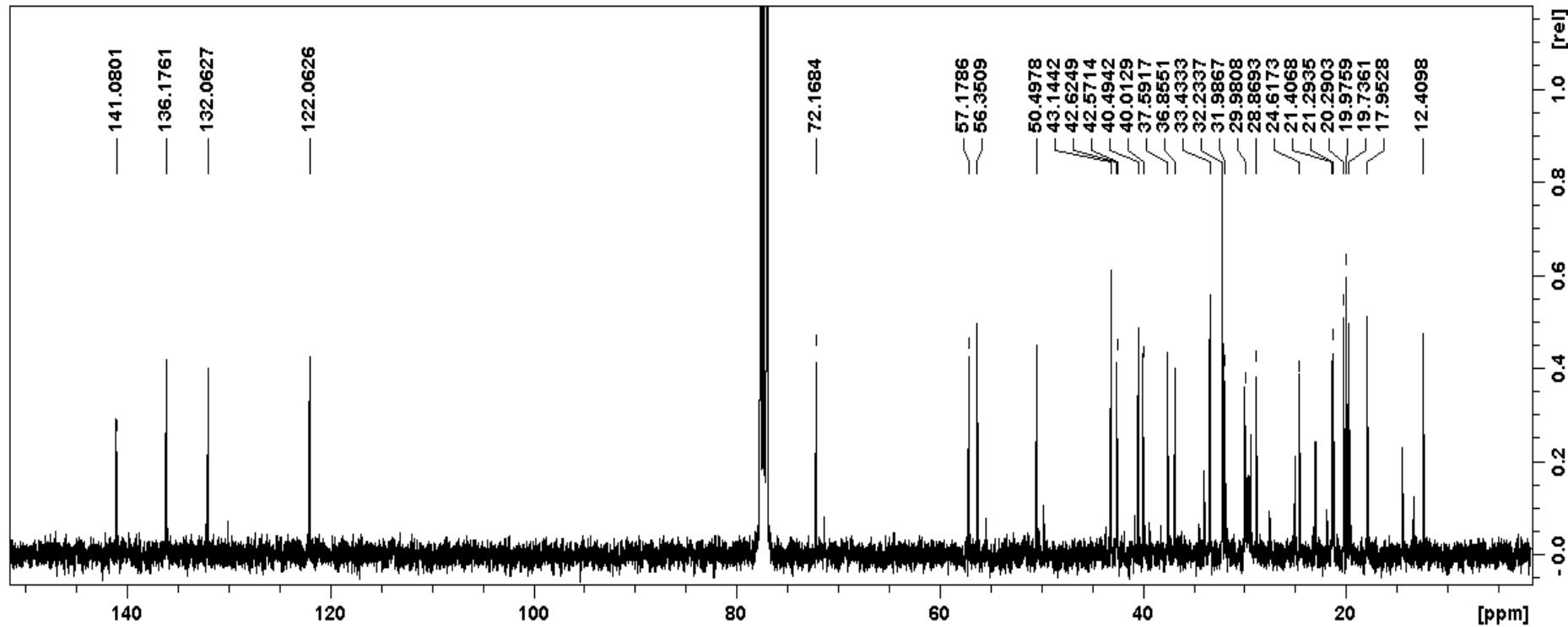


Figure S3.  $^{13}\text{C}$  NMR spectra (100 MHz,  $\text{CDCl}_3$ ) of Brassicasterol (17).

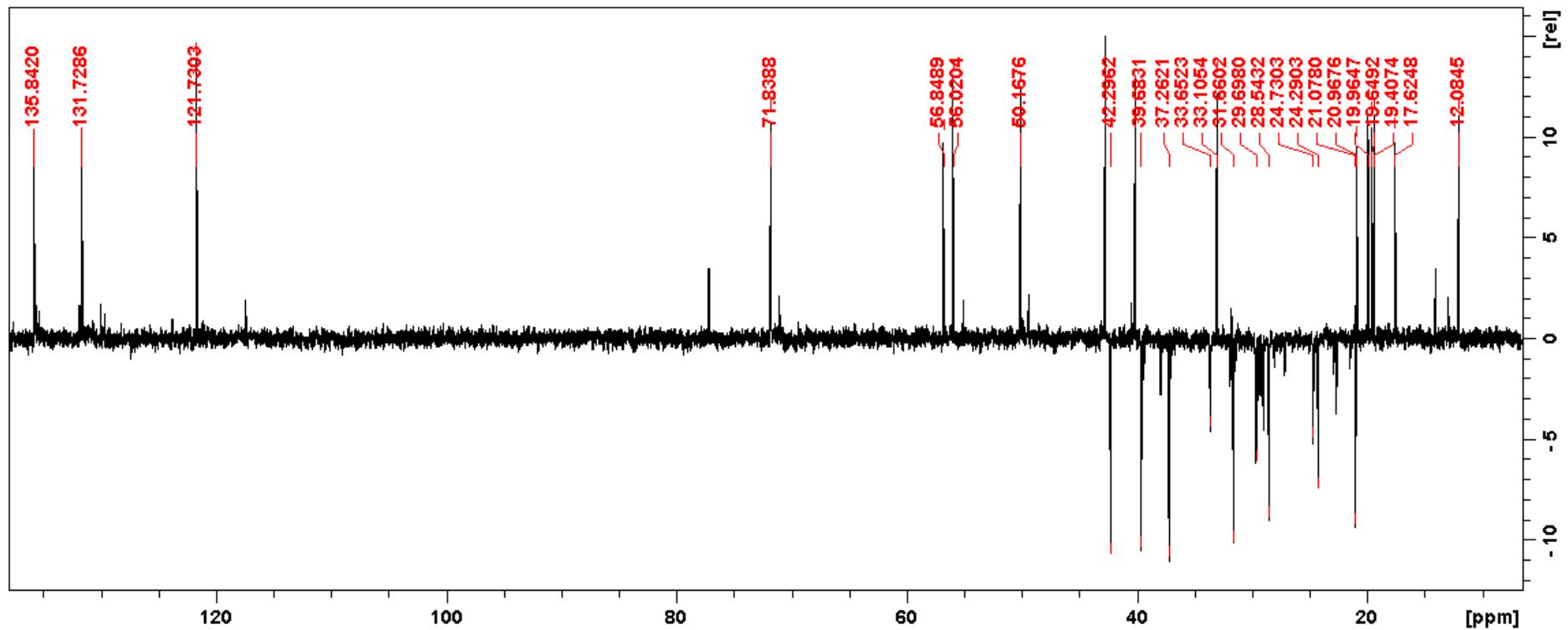


Figure S4. DEPT-135 NMR spectra (100 MHz,  $\text{CDCl}_3$ ) of Brassicasterol (17).

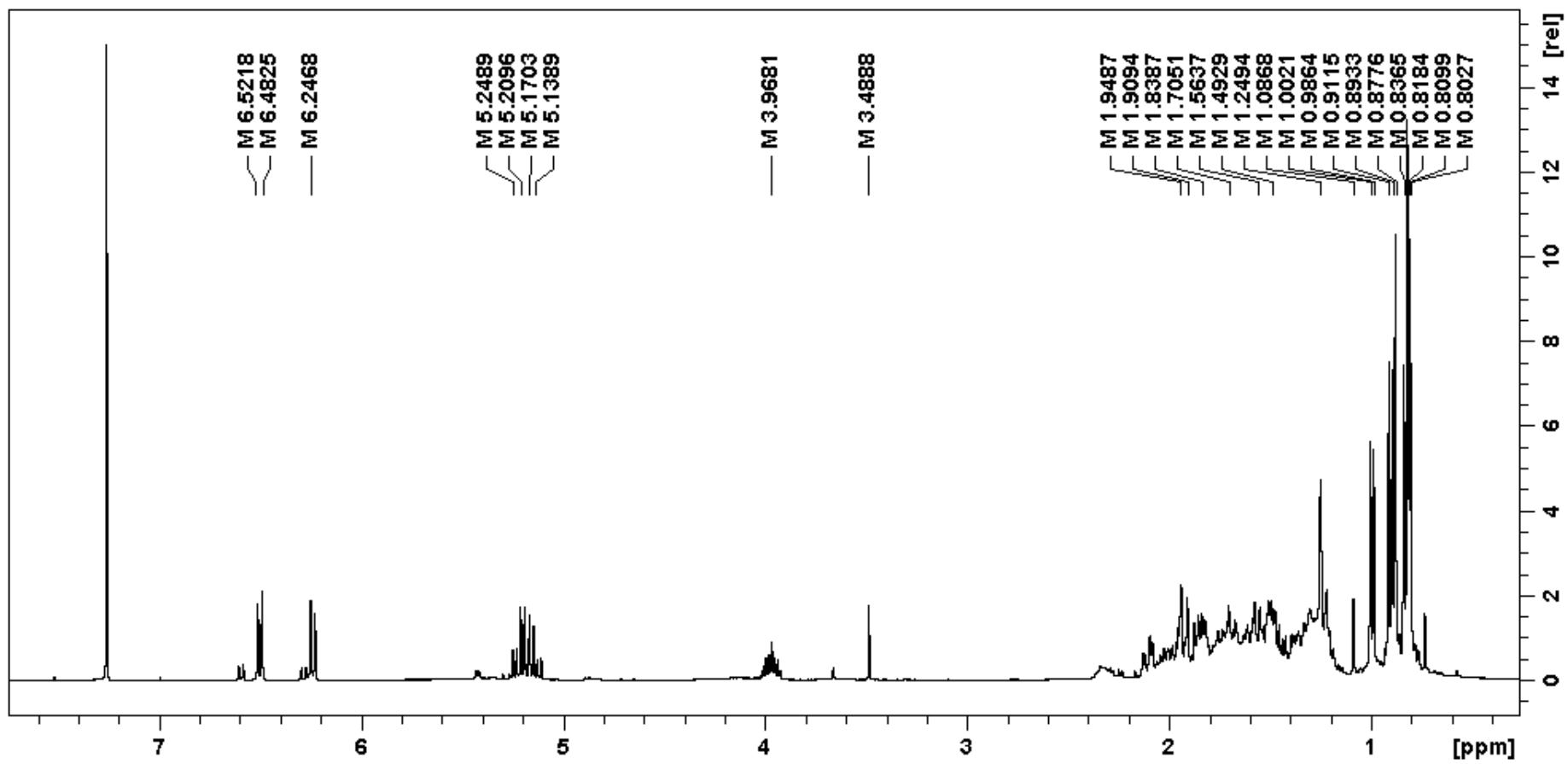


Figure S5. <sup>1</sup>H NMR spectra (400 MHz, CDCl<sub>3</sub>) of Ergosta-6,22-dien-3 $\beta$ ,5 $\alpha$ ,8 $\alpha$ -triol (31).

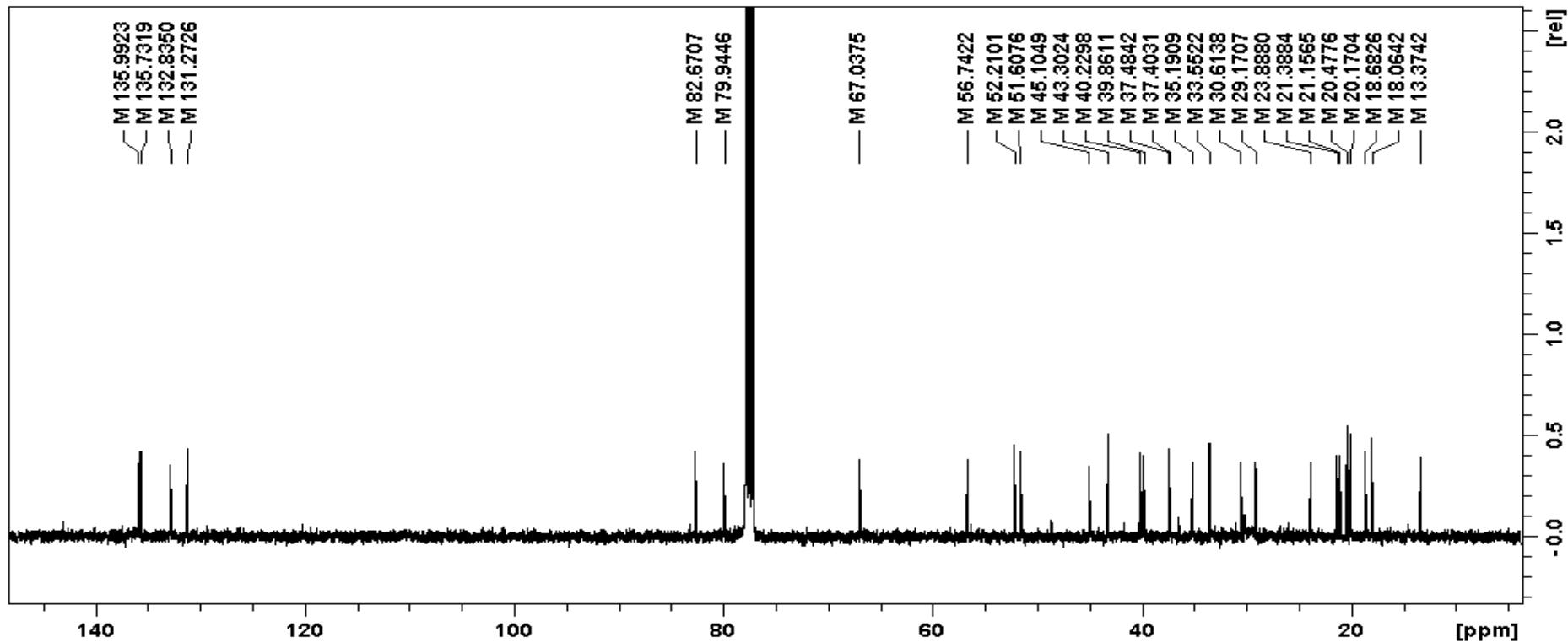
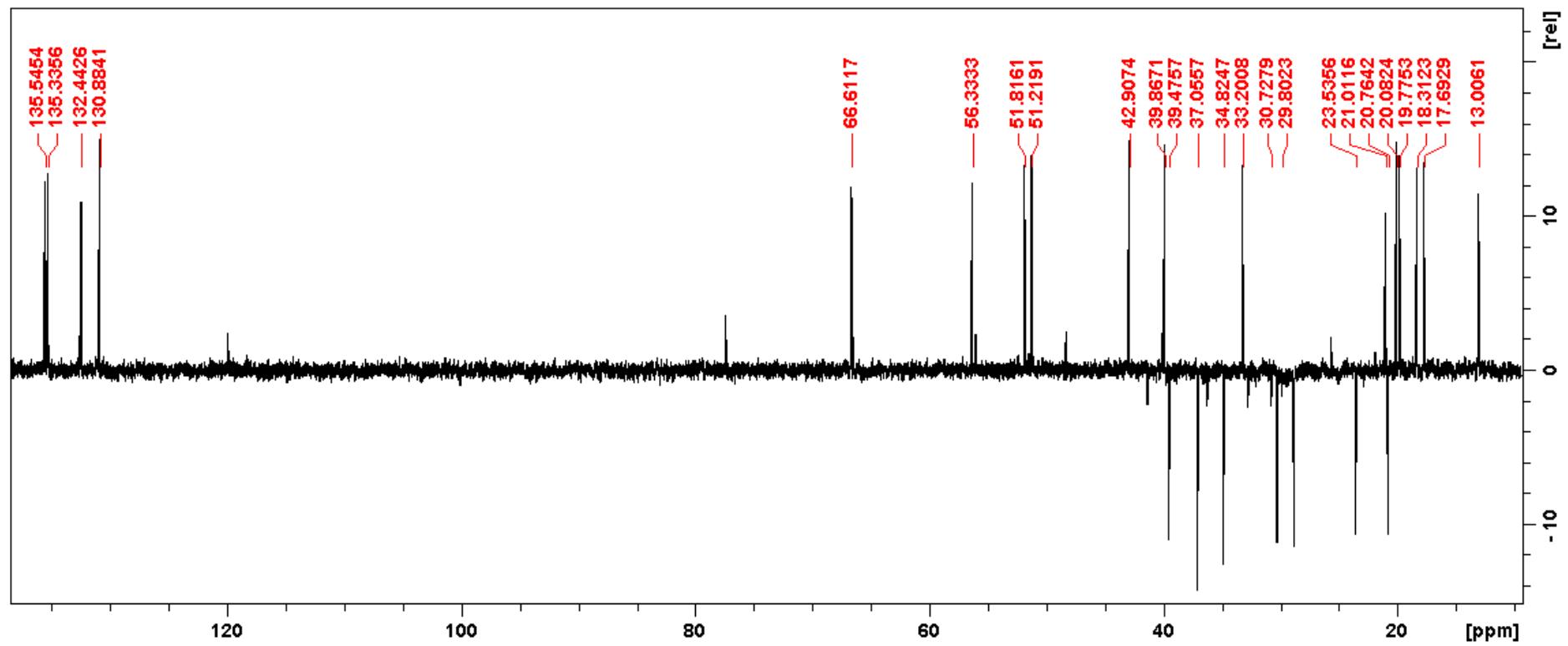


Figure S6. <sup>13</sup>C NMR spectra (100 MHz, CDCl<sub>3</sub>) of Ergosta-6,22-dien-3 $\beta$ ,5 $\alpha$ ,8 $\alpha$ -triol (31).



**Figure S7.** DEPT-135 NMR spectra (100 MHz,  $\text{CDCl}_3$ ) of Ergosta-6,22-dien-3 $\beta$ ,5 $\alpha$ ,8 $\alpha$ -triol (31).