

Figure S1. The separation process of compound **5** (Ergosterol).

**Table S1.** <sup>1</sup>H NMR and <sup>13</sup>C NMR Spectroscopic Data for Compound **5** (δ in ppm, *J* in Hz) in CDCl<sub>3</sub>

position	δ <sub>H</sub>	δ <sub>C</sub>
1	2.4 (1H, m); 1.21 (1H, m)	38.4
2	1.98 (1H, m); 1.97 (1H, m)	32.0
3	3.57 (1H, tt, <i>J</i> = 11.1, 4.1 Hz)	70.5
4	1.85 (1H, m); 1.83 (1H, m)	40.8
5		139.8
6	5.50 (1H, dd, <i>J</i> = 5.5, 2.2 Hz)	119.6
7	5.32, (1H, m)	116.3
8		141.4
9	1.82 (1H, m)	46.2
10		37.0
11	1.62 (1H, m); 1.21 (1H, m)	21.1
12	1.57 (1H, m); 1.81 (1H, m)	39.1
13		42.8
14	2.22, (1H, m)	54.6
15	2.00 (1H, m); 1.41 (1H, m)	23.0
16	1.81 (1H, m); 1.30 (1H, m)	28.3
17	1.21, (1H, m)	55.7

18	0.56, (3H, s)	12.1
19	0.88, (3H, s)	16.3
20	1.23, (1H, m)	40.4
21	0.97, (3H, d, $J = 6.8$ Hz)	21.1
22	5.10 (1H, dd, $J = 15.3, 7.3$ Hz)	135.6
23	5.16 (1H, dd, $J = 15.3, 7.3$ Hz)	132.0
24	1.41, (1H, m)	42.8
25	1.43, (1H, m)	33.1
26	0.76 (3H, d, $J = 6.8$ Hz)	20.0
27	0.77 (3H, d, $J = 6.8$ Hz)	19.7
28	0.85 (3H, d, $J = 6.8$ Hz)	17.6

$^1\text{H}$  NMR spectra measured at 600 MHz,  $^{13}\text{C}$  NMR spectra measured at 150 MHz.

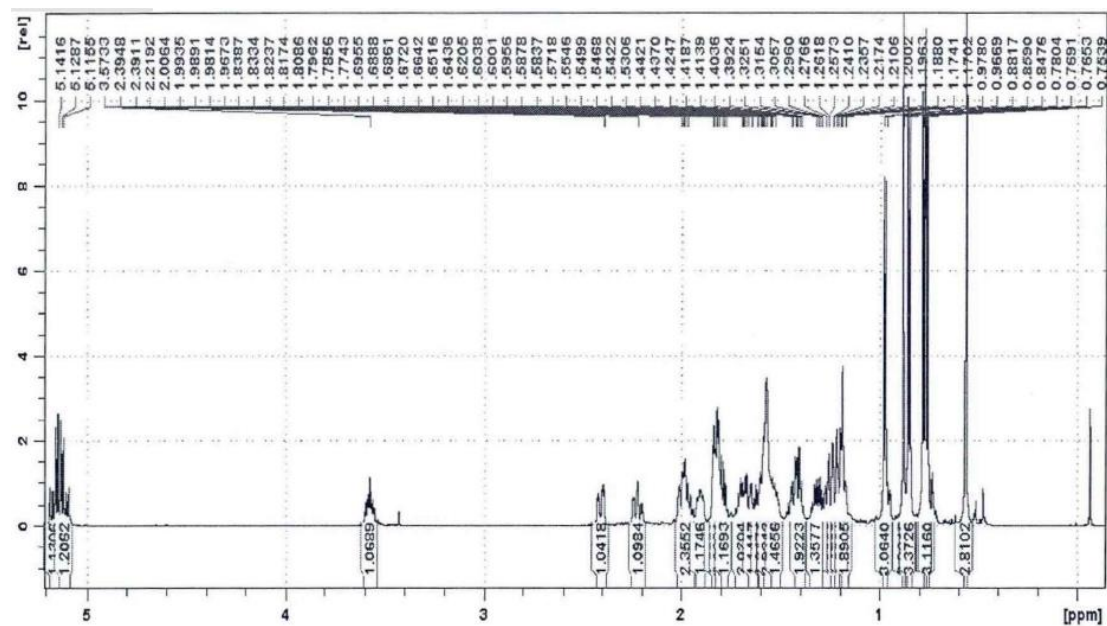


Figure S2. The  $^1\text{H}$ -NMR spectrum of compound **5** (Ergosterol).

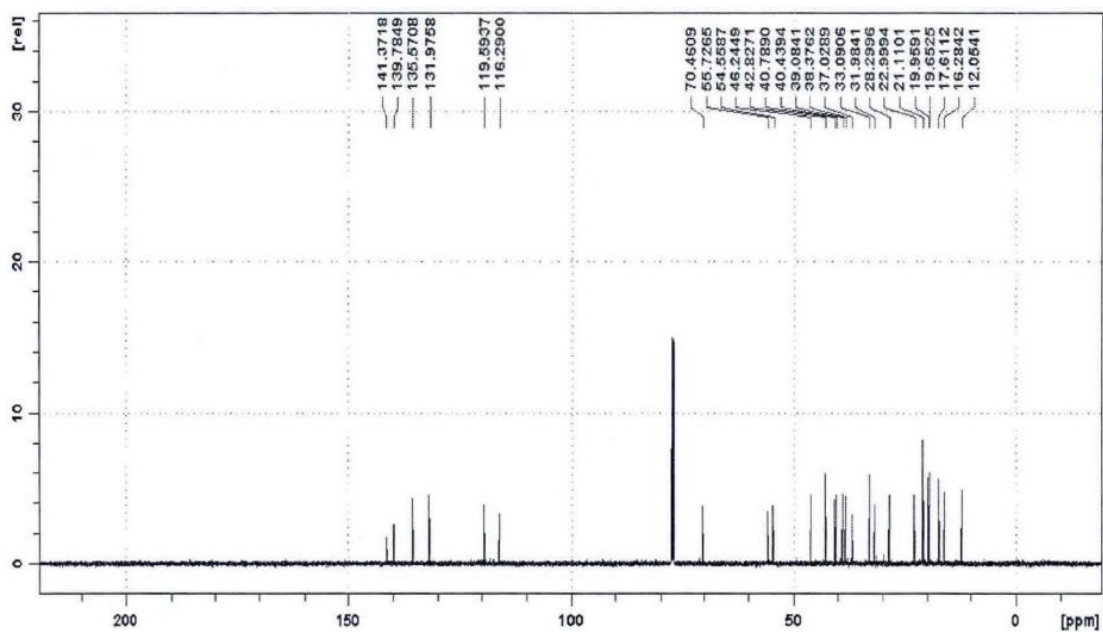


Figure S3. The  $^{13}\text{C}$ -NMR spectrum of compound **5** (Ergosterol).

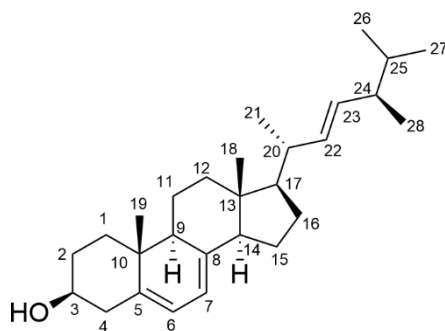


Figure S4. The structure of compound **5** (Ergosterol).

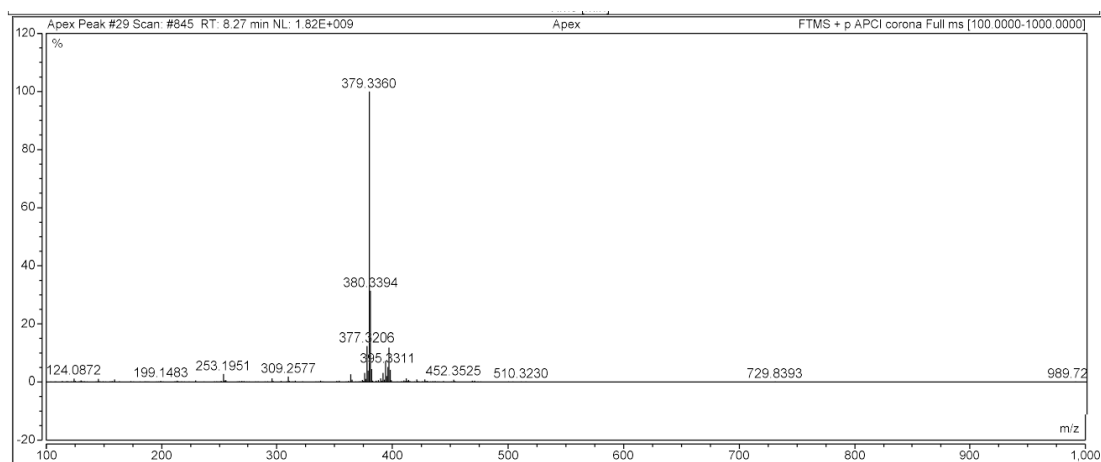
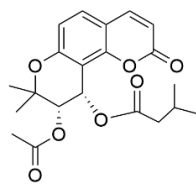


Figure S5. The HRESIMS spectrum of compound **5** (Ergosterol).



corymbocoumarin

Figure S6. The structure of compound **24** (corymbocoumarin).

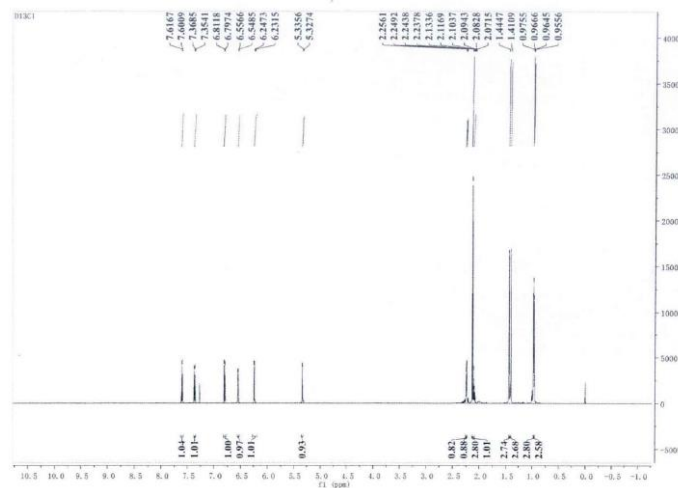


Figure S7. The  $^1\text{H}$ -NMR spectrum of compound **24**.

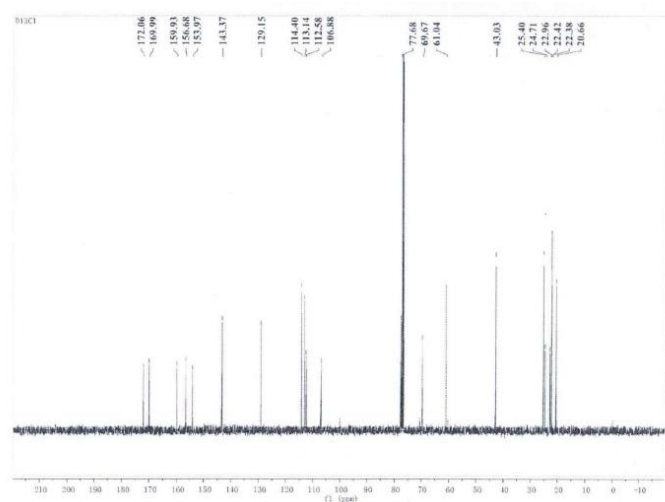


Figure S8. The  $^{13}\text{C}$ -NMR spectrum of compound **24**.

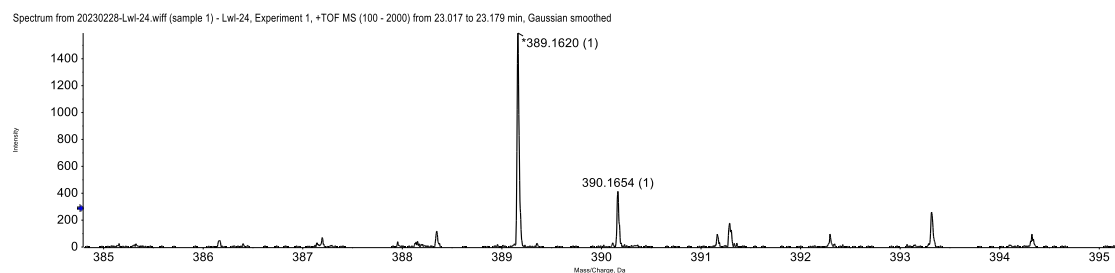


Figure S9. The HRESIMS spectrum of compound **24**.

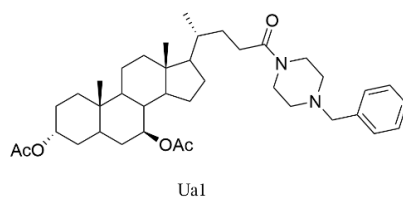


Figure S10. The structure of compound **48** (Ua1).

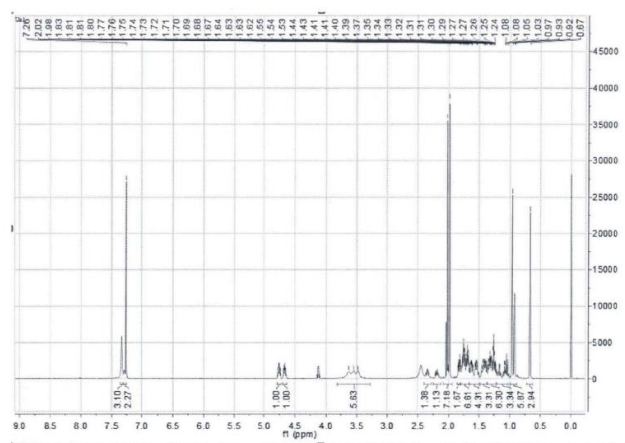


Figure S11. The  $^1\text{H}$ -NMR spectrum of compound **48**.

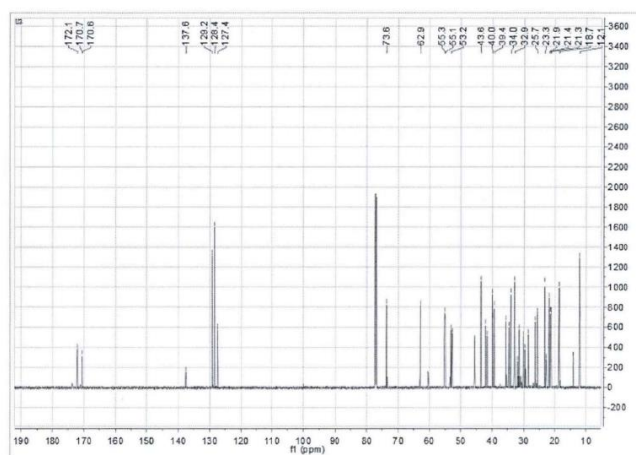


Figure S12. The  $^{13}\text{C}$ -NMR spectrum of compound **48**.

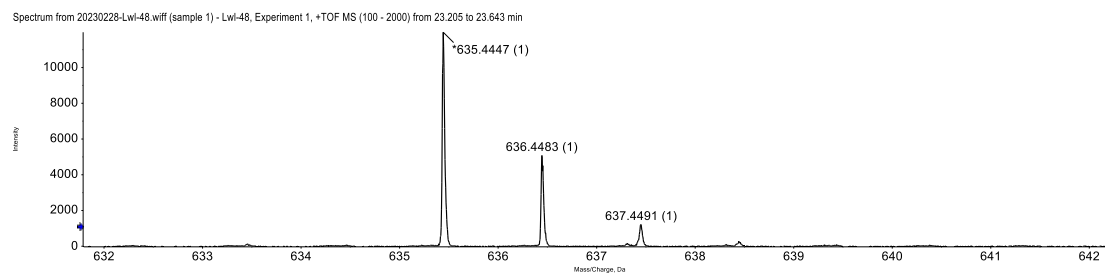


Figure S13. The HRSIMS spectrum of compound **48**.

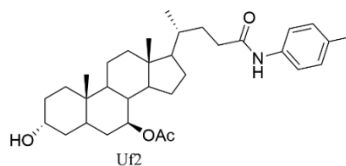


Figure S14. The structure of compound **49**.

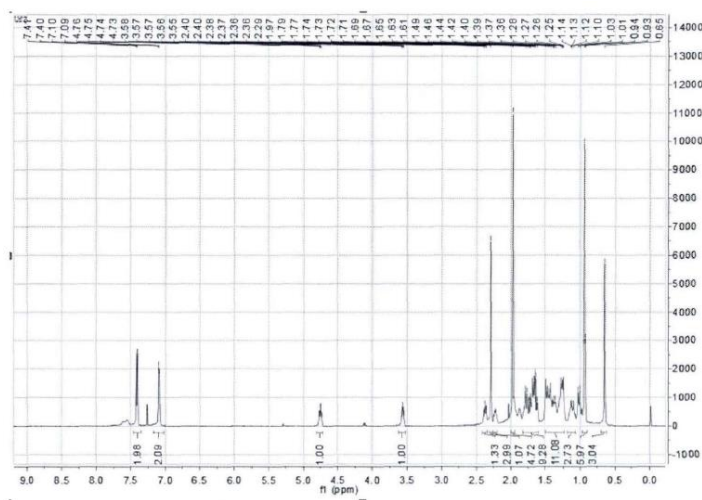


Figure S15. The  $^1\text{H}$ -NMR spectrum of compound **49**.

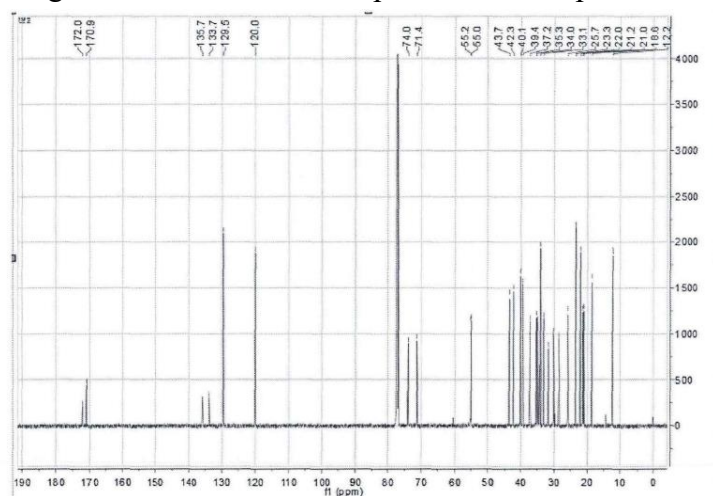


Figure S16. The  $^{13}\text{C}$ -NMR spectrum of compound **49**.

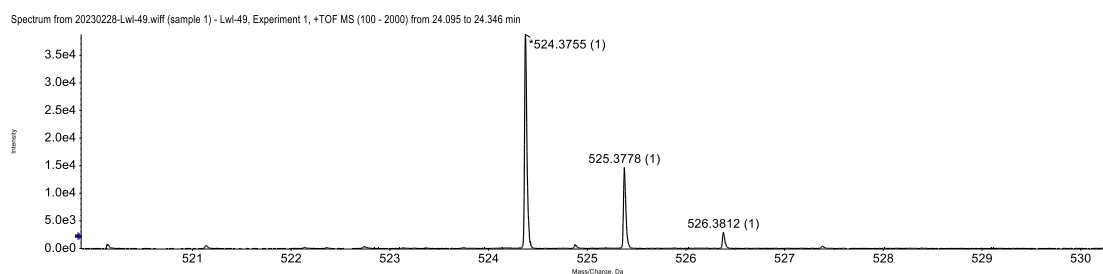


Figure S17. The HRESIMS spectrum of compound **49**.