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Figure S1. <sup>1</sup>H NMR spectrum of magnificine A (1) (CDCl<sub>3</sub>).

Figure S2. Expansion of <sup>1</sup>H NMR spectrum of magnificine A (1) (CDCl<sub>3</sub>).





Figure S3. <sup>13</sup>C NMR spectrum of magnificine A (1) (CDCl<sub>3</sub>).

Figure S4. DEPT spectrum of magnificine A (1) (CDCl<sub>3</sub>).





Figure S5. <sup>1</sup>H-<sup>1</sup>H COSY spectrum of magnificine A (1) (CDCl<sub>3</sub>).

Figure S6. Multiplicity-edited HSQC spectrum of magnificine A (1) (CDCl<sub>3</sub>).





**Figure S7.** <sup>1</sup>H-<sup>13</sup>C HMBC spectrum of magnificine A (1) (CDCl<sub>3</sub>).

Figure S8. <sup>1</sup>H-<sup>1</sup>H NOESY spectrum of magnificine A (1) (CDCl<sub>3</sub>).





Figure S9. HRESIMS spectrum of magnificine A (1).



Figure S10. LRESIMS spectrum and MS fragment ion peaks of magnificine A (1).



Figure S11. <sup>1</sup>H NMR spectrum of magnificine B (2) (CDCl<sub>3</sub>).

Figure S12. Expansion of <sup>1</sup>H NMR spectrum of magnificine B (2) (CDCl<sub>3</sub>).





Figure S13. <sup>13</sup>C NMR spectrum of magnificine B (2) (CDCl<sub>3</sub>).

Figure S14. DEPT spectrum of magnificine B (2) (CDCl<sub>3</sub>).





Figure S15. <sup>1</sup>H-<sup>1</sup>H COSY spectrum of magnificine B (2) (CDCl<sub>3</sub>).

Figure S16. Multiplicity-edited HSQC spectrum of magnificine B (2) (CDCl<sub>3</sub>).





Figure S17. <sup>1</sup>H-<sup>13</sup>C HMBC spectrum of magnificine B (2) (CDCl<sub>3</sub>).

Figure S18. <sup>1</sup>H-<sup>1</sup>H NOESY spectrum of magnificine B (2) (CDCl<sub>3</sub>).





Figure S19. HRESIMS spectrum of magnificine B (2).



Figure S20. <sup>1</sup>H NMR spectrum of (±)-negombaionone (3) (CDCl<sub>3</sub>).

Figure S21. <sup>13</sup>C NMR spectrum of (±)-negombaionone (3) (CDCl<sub>3</sub>).





Figure S22. DEPT spectrum of (±)-negombaionone (3) (CDCl<sub>3</sub>).



Figure S23. <sup>1</sup>H-<sup>1</sup>H COSY spectrum of (±)-negombaionone (3) (CDCl<sub>3</sub>).



Figure S24. Multiplicity-edited HSQC spectrum of (±)-negombaionone (3) (CDCl<sub>3</sub>).

+10 -20 -30 40 . -50 -60 -70 -80 -90 -100 f1 (ppm) -110 -120 1 -130 -140 -150 + -160 -170 -180 -190 1 4 -200 7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 f2 (ppm) 3.5 3.0 2.5 1.5 1.0 2.0

Figure S25. <sup>1</sup>H-<sup>13</sup>C HMBC spectrum of (±)-negombaionone (3) (CDCl<sub>3</sub>).



Figure S26. HRESIMS spectrum of  $(\pm)$ -negombaionone (3).



Figure S27. <sup>1</sup>H NMR spectrum of latrunculin B (4) (CDCl<sub>3</sub>).

Figure S28. <sup>13</sup>C NMR spectrum of latrunculin B (4) (CDCl<sub>3</sub>).





Figure S29. <sup>1</sup>H NMR spectrum of 16-epilatrunculin B (5) (CDCl<sub>3</sub>).

Figure S30. <sup>13</sup>C NMR spectrum of 16-epilatrunculin B (5) (CDCl<sub>3</sub>).

