



1 Supplementary Materials

2 Four New Compounds obtained from Cultured Cells of

3 Artemisia annua

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- 6 Figure legends
- 7 Figure S 1-18. HRESIMS, 1D and 2D NMR spectra of compound 1
- 8 Figure S 19-36. HRESIMS, 1D and 2D NMR spectra of compound 2
- 9 Figure S 37-54. HRESIMS, 1D and 2D NMR spectra of compound 3
- 10 Figure S 55-72. HRESIMS, 1D and 2D NMR spectra of compound 4













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Figure S 17. A Segment of NOESY spectrum of compound 1 in CDCl₃









Figure S 21. Enlarged ¹H NMR spectrum of compound 2 in CDCl₃





Figure S 23. A Segment of ¹³C NMR spectrum of compound 2 in CDCl₃





2.9 2.8 2.7 2.6 2.5 2.4 2.3 2.2 2.1 2.0 1.9 1.8 1.7 1.6 1.5 1.4 1.3 1.2 1.1 1.0 0.9 0.8 0.7 f2 (ppm)



Figure S 27. A Segment of ¹H-¹H COSY spectrum of compound 2 in CDCl₃











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Figure S 34. A Segment of NOESY spectrum of compound 2 in CDCl₃





Figure S 35. A Segment of NOESY spectrum of compound 2 in CDCl₃

















Figure S 45. A Segment of ¹H-¹H COSY spectrum of compound 3 in CDCl₃





106 Figure S 48. A Segment of HSQC spectrum of compound 3 in CDCl₃



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Figure S 57. A Segment of ¹H NMR spectrum of compound 4 in CDCl₃











Figure S 63. A Segment of ¹H-¹H COSY spectrum of compound 4 in CDCl₃

















