Supporting Information

New Withanolides from *Physalis minima* and Their Cytotoxicity against A375 Human Melanoma Cells

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Figure S4. ¹H NMR spectrum of compound 1 in Pyridine-*d*₅ (600 MHz)



Figure S5. ¹³C NMR spectrum of compound 1 in Pyridine- d_5 (150 MHz)



Figure S6. ¹H-¹H COSY spectrum of compound 1 in Pyridine-*d*₅



Figure S8. HMBC spectrum of compound 1 in Pyridine- d_5



Figure S9. NOESY spectrum of compound 1 in Pyridine- d_5



Figure S10. HRESIMS of compound 2



Figure S11. IR spectrum of compound 2



Figure S12. CD spectrum of compound 2



Figure S13. ¹H NMR spectrum of compound **2** in Pyridine-*d*₅ (600 MHz)



Figure S14. ¹³C NMR spectrum of compound 2 in Pyridine-*d*₅ (150 MHz)



FigureS15. HSQC spectrum of compound 2 in Pyridine-d₅



Figure S16. HMBC spectrum of compound 2 in Pyridine-*d*₅



FigureS17. NOESY spectrum of compound 2 in Pyridine-*d*₅



Figure S18. HRESIMS of compound 3



Figure S19. IR spectrum of compound 3



FigureS20. CD spectrum of compound 3



Figure S22. ¹³C NMR spectrum of compound **3** in Pyridine- d_5 (150 MHz)



FigureS24. HMBC spectrum of compound 3 in Pyridine-d₅



Figure S25. NOESY spectrum of compound **3** in Pyridine- d_5





Figure S27. IR spectrum of compound 4



FigureS28. CD spectrum of compound 4



Figure S29. ¹H NMR spectrum of compound **4** in Pyridine-*d*₅ (600 MHz)



FigureS30.¹³C NMR spectrum of compound 4 in Pyridine-*d*₅ (150 MHz)







Figure S33. NOESY spectrum of compound 4 in Pyridine-*d*₅



Figure S34. HRESIMS of compound 5



Figure S35. IR spectrum of compound 5



FigureS36. CD spectrum of compound 5



FigureS38. ¹³C NMR spectrum of compound 5 in Pyridine-*d*₅ (150 MHz)







Figure S41. NOESY spectrum of compound 5 in Pyridine-d₅



Figure S42. HREIMS of compound 6



Figure S43. IR spectrum of compound 6



FigureS44. CD spectrum of compound 6



FigureS46. ¹³C NMR spectrum of compound **6** in Pyridine- d_5 (150 MHz)



Figure S48. HMBC spectrum of compound 6 in Pyridine-d₅



Figure S50. HRESIMS of compound 7



Figure S51. IR spectrum of compound 7



FigureS52. CD spectrum of compound 7



FigureS54. ¹³C NMR spectrum of compound 7 in Pyridine- d_5 (150 MHz)



FigureS56. HMBC spectrum of compound 7 in Pyridine-d₅









FigureS60. CD spectrum of compound 8



Figure S61. ¹H NMR spectrum of compound 8 in Pyridine-*d*₅ (600 MHz)



FigureS62. ¹³C NMR spectrum of compound **8** in Pyridine- d_5 (150 MHz)



FigureS64. HMBC spectrum of compound 8 in Pyridine-d₅



Figure S66. HREIMS of compound 9



Figure S67. IR spectrum of compound 9



FigureS68. CD spectrum of compound 9



FigureS69. ¹H NMR spectrum of compound **9** in Pyridine-*d*₅ (600 MHz)



Figure S70. ¹³C NMR spectrum of compound 9 in Pyridine- d_5 (150 MHz)



Figure S72. HMBC spectrum of compound 9 in Pyridine-*d*₅



FigureS73. NOESY spectrum of compound 9 in Pyridine-d₅



FigureS74. Time-dependent emergence of artifact **8** in a methanol solution of compound Compound **8** was obtained by dissolving compound **11** (10.0 mg) in 5 mL of methanol by refluxing with heating at 78 °C for 8 h.