

Supporting Information

Rec. Nat. Prod. **10:2 (2016) 189-194**

Secondary Metabolites and Bioactivity of the Endophytic Fungus *Phomopsis theicola* from Taiwanese endemic plant

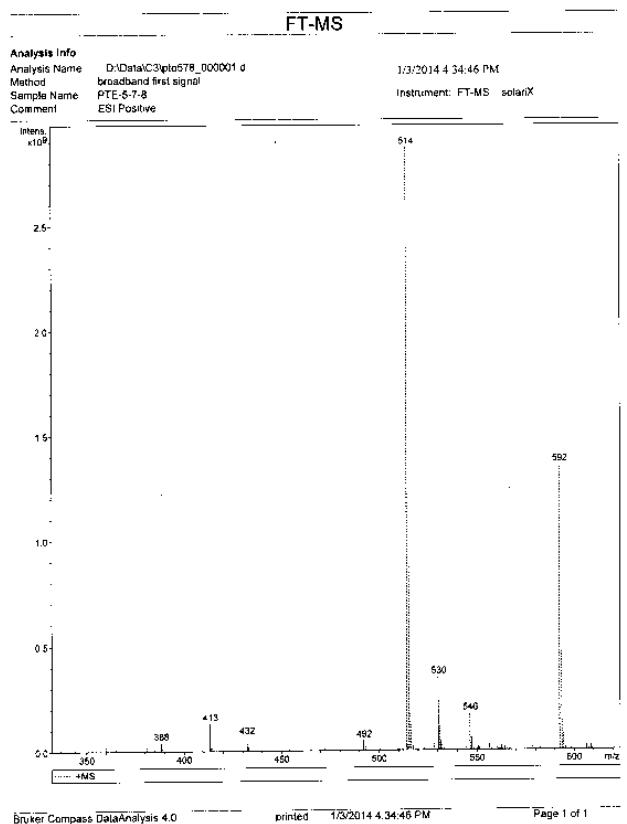
Yi Hsiao^{1†}, Hsun-Shuo Chang^{1,2}, Ta-Wei Liu³, Sung-Yuan Hsieh³, Gwo-Fang Yuan³, Ming-Jen Cheng^{3†*} and Ih-Sheng Chen^{1,2*}

¹*Graduate Institute of Natural Products, College of Pharmacy, Kaohsiung Medical University, Kaohsiung 807, Taiwan*

²*School of Pharmacy, College of Pharmacy, Kaohsiung Medical University, Kaohsiung 807, Taiwan*

³*Bioresource Collection and Research Center, Food Industry Research and Development Institute, Hsinchu 300, Taiwan*

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S1: ESI-MS Spectrum of Compound 1 (phomocytochalasin)

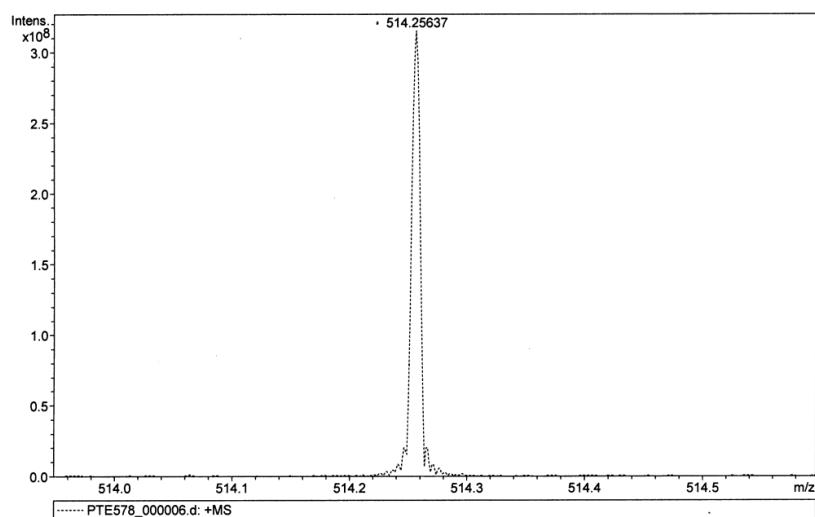
Mass Spectrum SmartFormula Report

Analysis Info

Analysis Name: D:\Data\C3\PT578_000006.d
Method: broadband first signal
Sample Name: PT578-7-8
Comment: ESI Positive

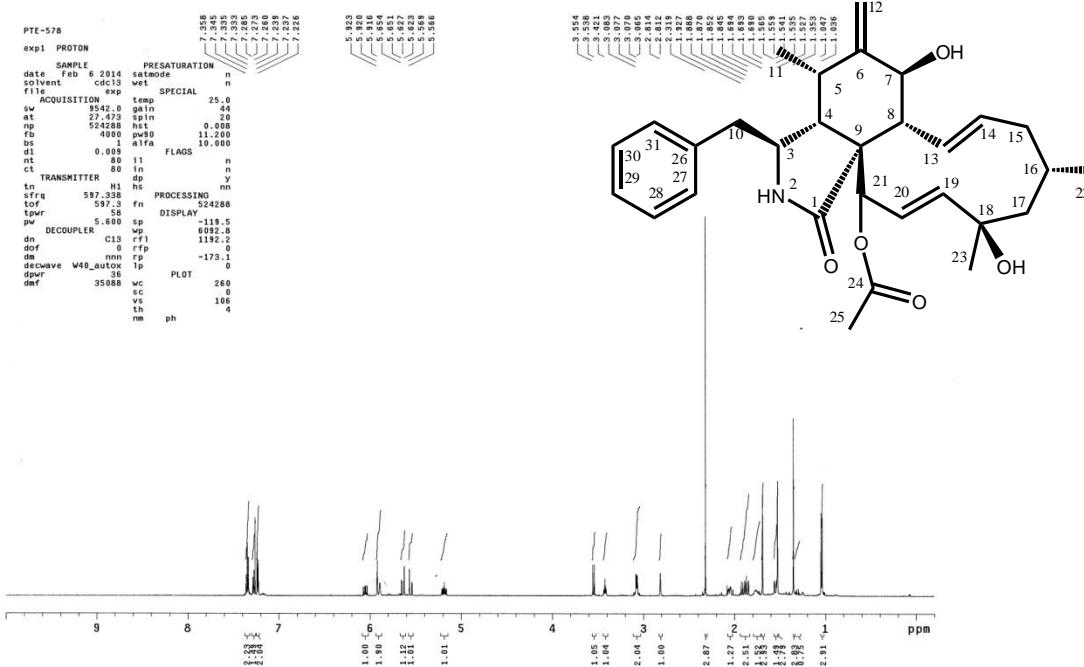
1/13/2014 3:00:29 PM

Instrument: FT-MS solariX



Meas. m/z # Formula Score m/z err [mDa] err [ppm] mSigma rdb e⁻ Conf N-Rule
514.25637 1 C 30 H 37 N Na O 5 100.00 514.25639 0.03 0.05 6.6 12.5 even ok

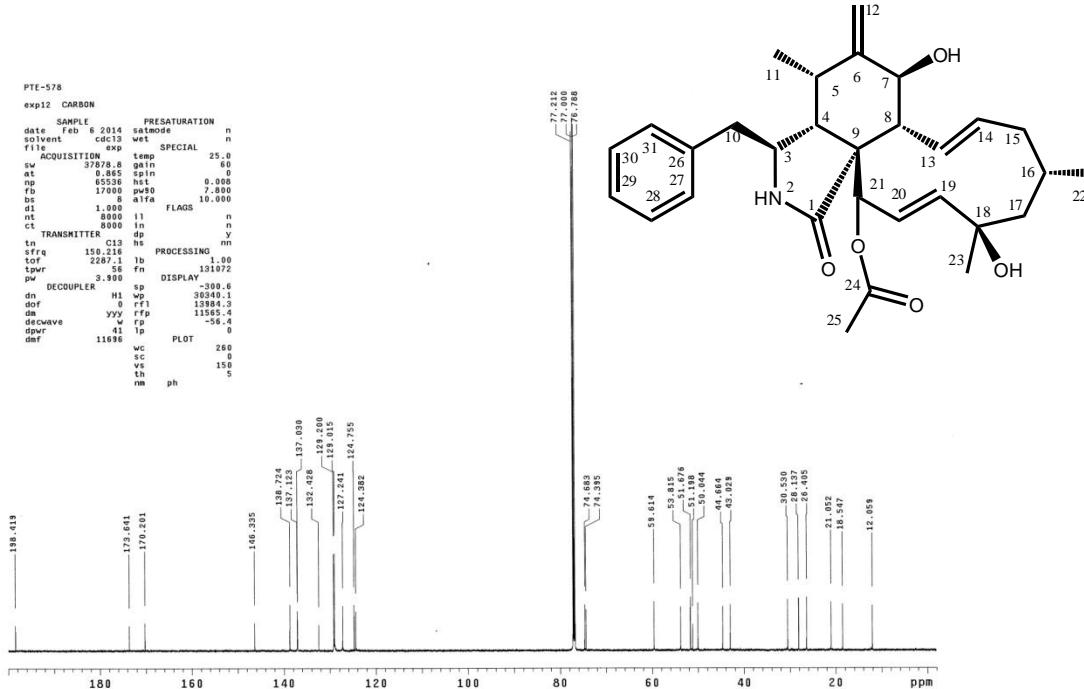
S2: HRESI-MS Spectrum of Compound 1 (phomocytochalasin)



S3: ¹H-NMR (600 MHz, CDCl₃) Spectrum of Compound **1** (phomocytochalasin)

¹H NMR (600 MHz, CDCl₃)

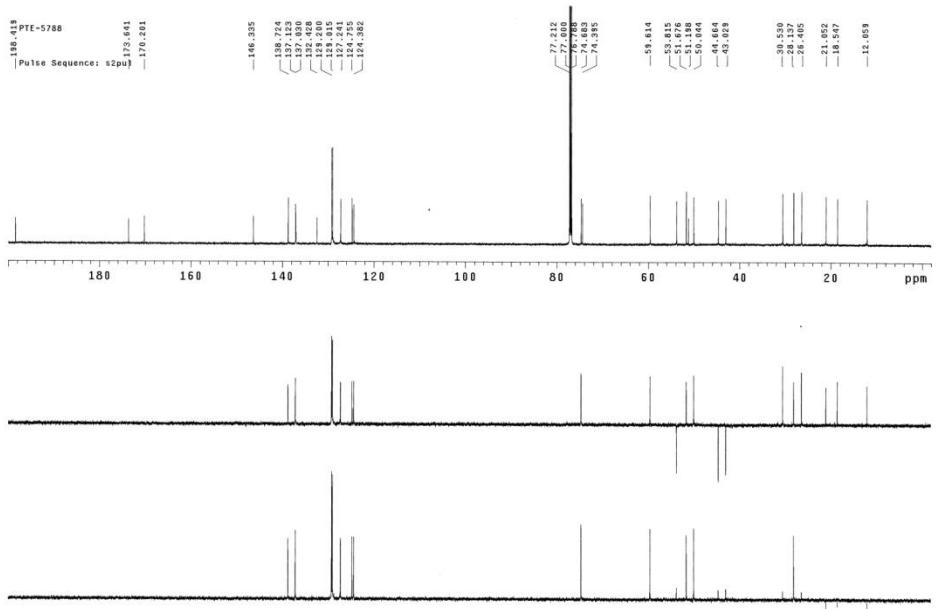
δ 1.04 (3H, d, $J = 6.6$ Hz, H-22), 1.35 (3H, s, H-23), 1.53 (3H, s, H-11), 1.55 (1H, dd, $J = 14.4, 3.6$ Hz, H-17b), 1.69 (3H, s, H-12), 1.76 (1H, m, H-16), 1.86 (1H, dd, $J = 14.4, 6.6$ Hz, H-17a), 1.90 (1H, br dd, $J = 13.2, 1.8$ Hz, H-15b), 2.03 (1H, br dd, $J = 13.2, 4.8$ Hz, H-15a), 2.32 (3H, s, H-25), 2.81 (1H, d, $J = 1.5$ Hz, H-4), 3.06 (1H, dd, $J = 13.8, 7.8$ Hz, H-10b), 3.07 (1H, dd, $J = 13.8, 7.8$ Hz, H-10a), 3.42 (1H, tt, $J = 7.8, 1.5$ Hz, H-3), 3.55 (1H, d, $J = 9.6$ Hz, H-8), 5.19 (1H, ddd, $J = 16.2, 10.8, 4.8$ Hz, H-14), 5.55 (1H, dd, $J = 16.8, 2.4$ Hz, H-19), 5.64 (1H, dd, $J = 16.8, 2.4$ Hz, H-20), 5.89 (1H, br s, NH-2, D₂O exchangeable), 5.92 (1H, t, $J = 2.4$ Hz, H-21), 6.05 (1H, ddd, $J = 16.2, 9.6, 1.2$ Hz, H-13), 7.23 (2H, d, $J = 7.2, 1.2$ Hz, H-27), 7.35 (2H, td, $J = 7.2, 1.2$ Hz, H-28), 7.27 (1H, dd, $J = 7.8, 1.2$ Hz, H-29), 7.35 (2H, td, $J = 7.2, 1.2$ Hz, H-30), 7.23 (2H, d, $J = 7.2, 1.2$ Hz, H-31)



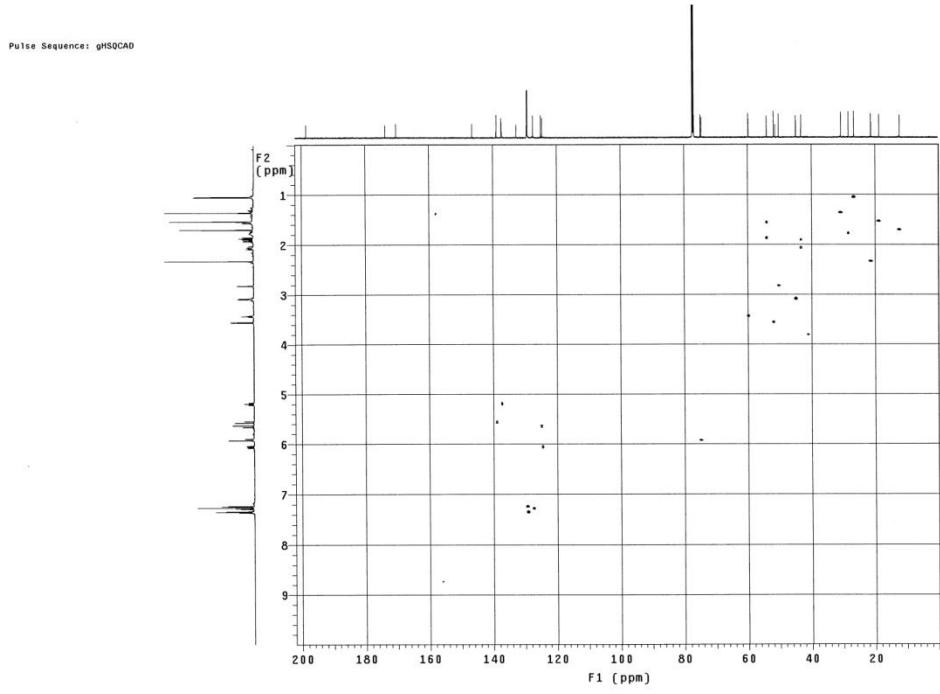
S4: ¹³C-NMR(150 MHz,CDCl₃) Spectrum of Compound 1 (phomocytochalasin)

¹³C NMR (150 MHz, CDCl₃)

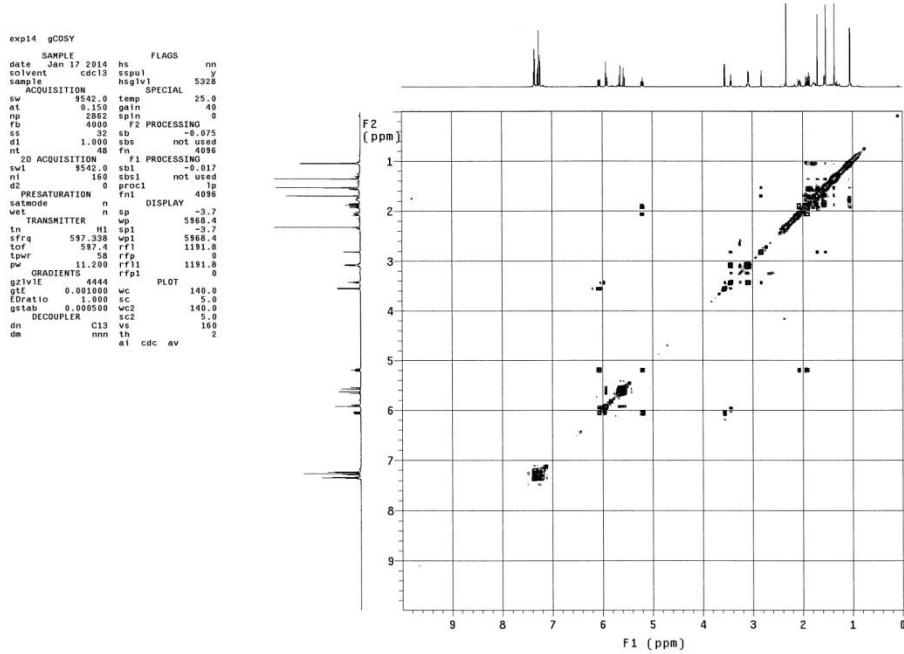
δ 12.1 (C-12), 18.5 (C-11), 21.1 (C-25), 26.4 (C-22), 28.1 (C-16), 30.5 (C-23), 43.0 (C-15), 44.7 (C-10), 50.0 (C-4), 51.2 (C-9), 51.7 (C-8), 53.8 (C-17), 59.6 (C-3), 74.4 (C-18), 74.7 (C-21), 124.4 (C-13), 124.8 (C-20), 127.2 (C-29), 129.0 (C-28, 30), 129.2 (C-27, 31), 132.4 (C-6), 137.0 (C-26), 137.1 (C-14), 138.7 (C-19), 146.3 (C-5), 170.2 (C-24), 173.6 (C-1), 198.4 (C-7)



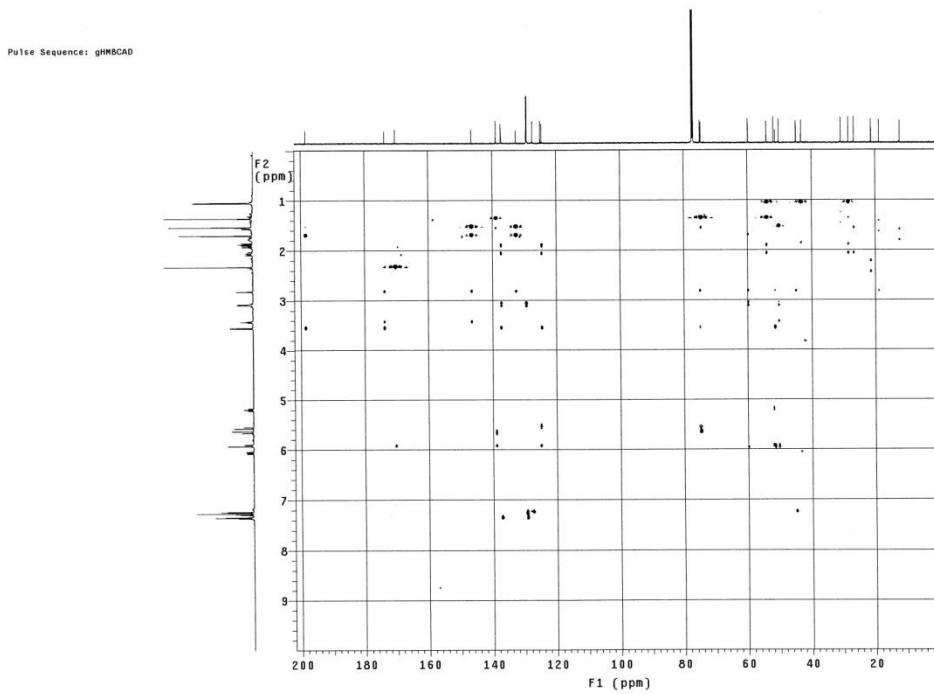
S5: DEPT Spectrum of Compound **1** (phomocytochalasin)



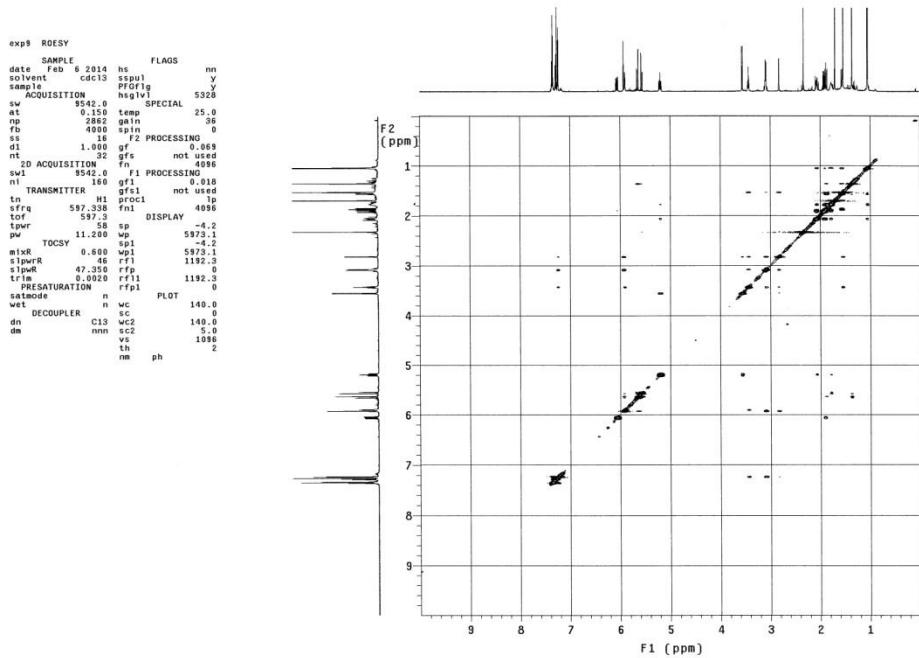
S6: HSQC Spectrum of Compound 1 (phomocytochalasin)



S7: COSY Spectrum of Compound 1 (phomocytochalasin)



S8: HMBC Spectrum of Compound 1 (phomocytochalasin)



S9: ROESY Spectrum of Compound 1 (phomocytochalasin)