

Supporting Information

Pipicolisporin, a Novel Cyclic Peptide with Antimalarial and Antitrypanosome Activities from a Wheat endophytic *Nigrospora oryzae*

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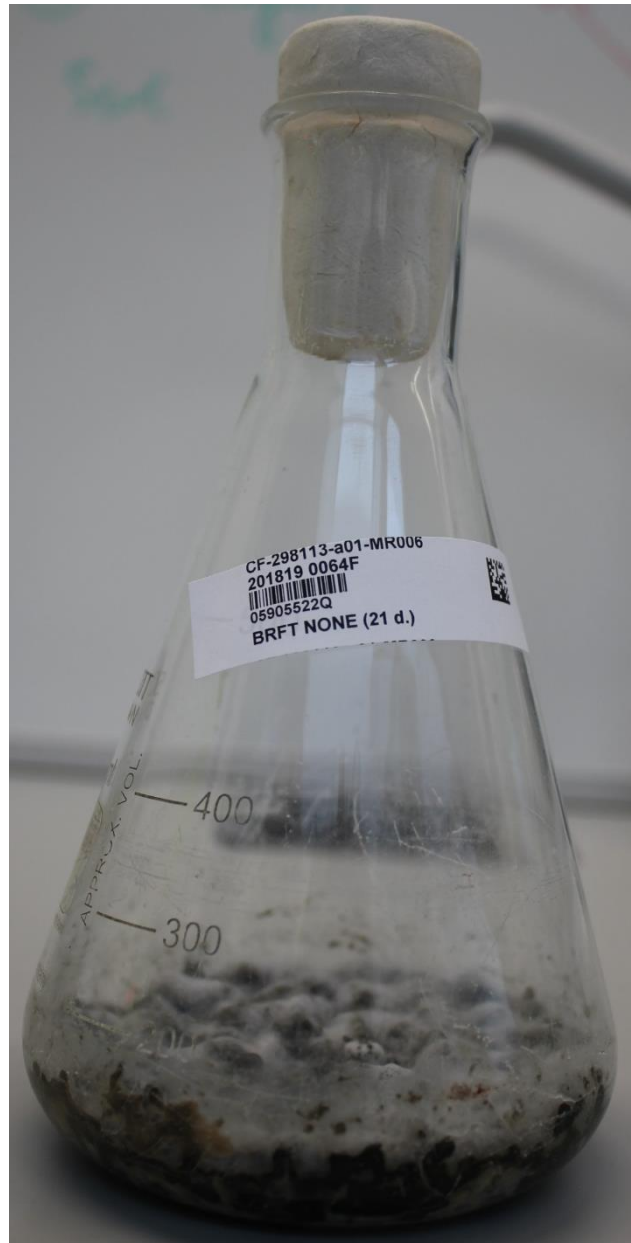


Figure S1. CF-298113 Solid State Fermentation on BRFT medium after 21 days of incubation at 22 °C.

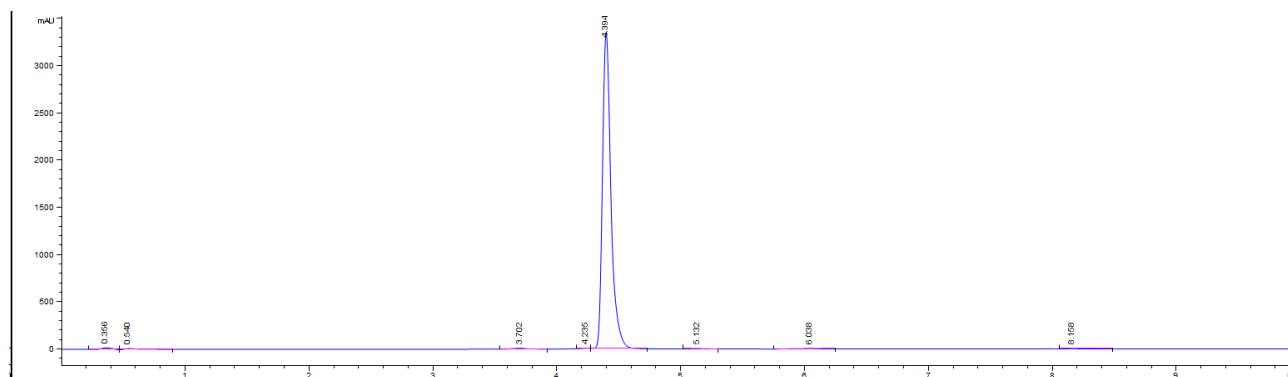


Figure S2. LC-UV (210 nm) chromatogram of pipicolisporin (1).

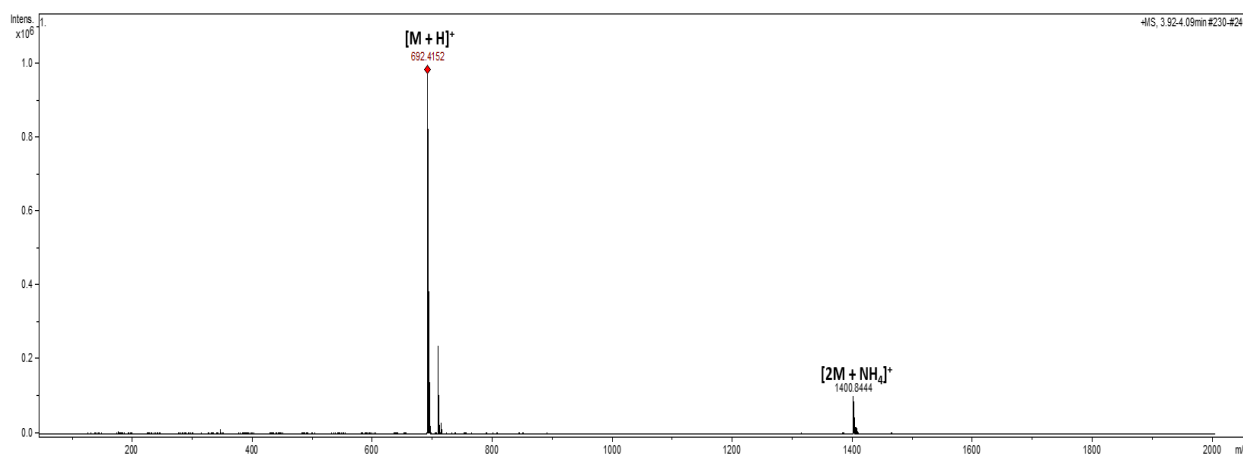


Figure S3. ESI-TOF spectrum of pipicolisporin (1).

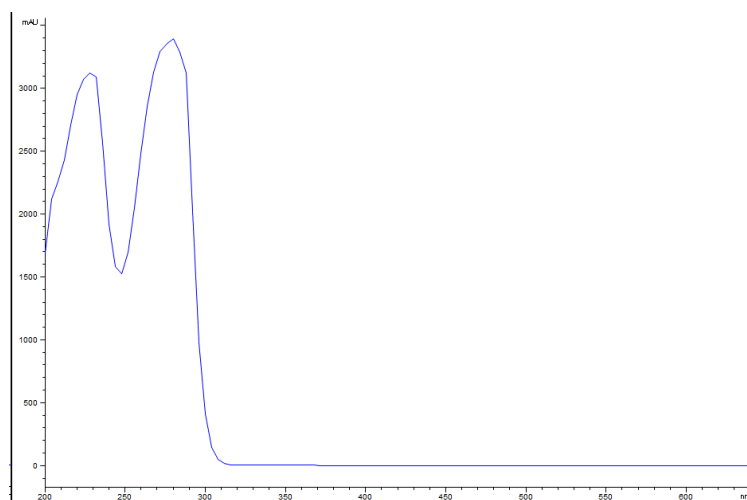


Figure S4. UV spectrum of pipicolisporin (1).

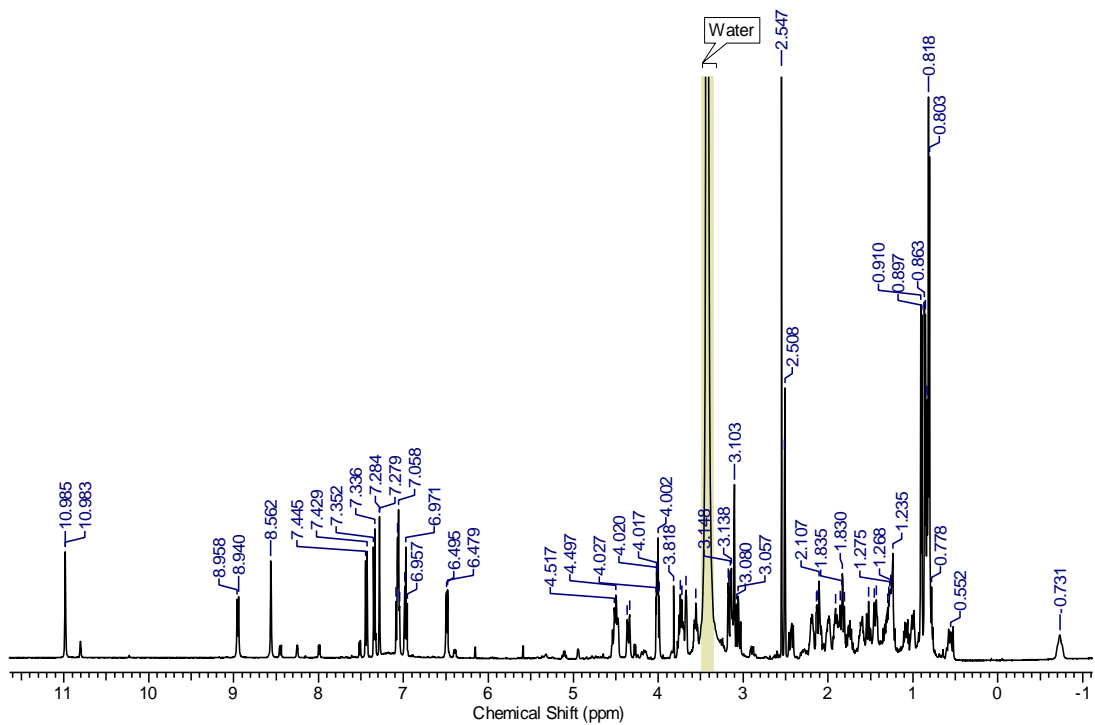


Figure S5. $^1\text{H-NMR}$ (500 MHz, $\text{DMSO-}d_6$) spectrum of pipecolisporin (1).

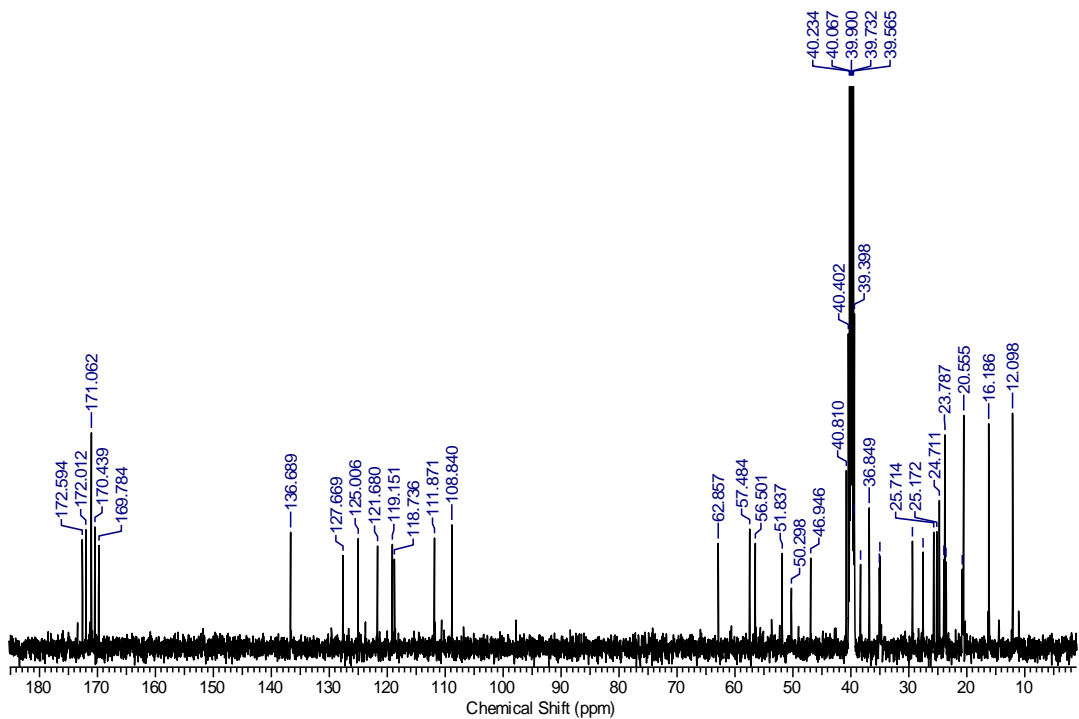


Figure S6. $^{13}\text{C-NMR}$ (125 MHz, $\text{DMSO-}d_6$) spectrum of pipecolisporin (1).

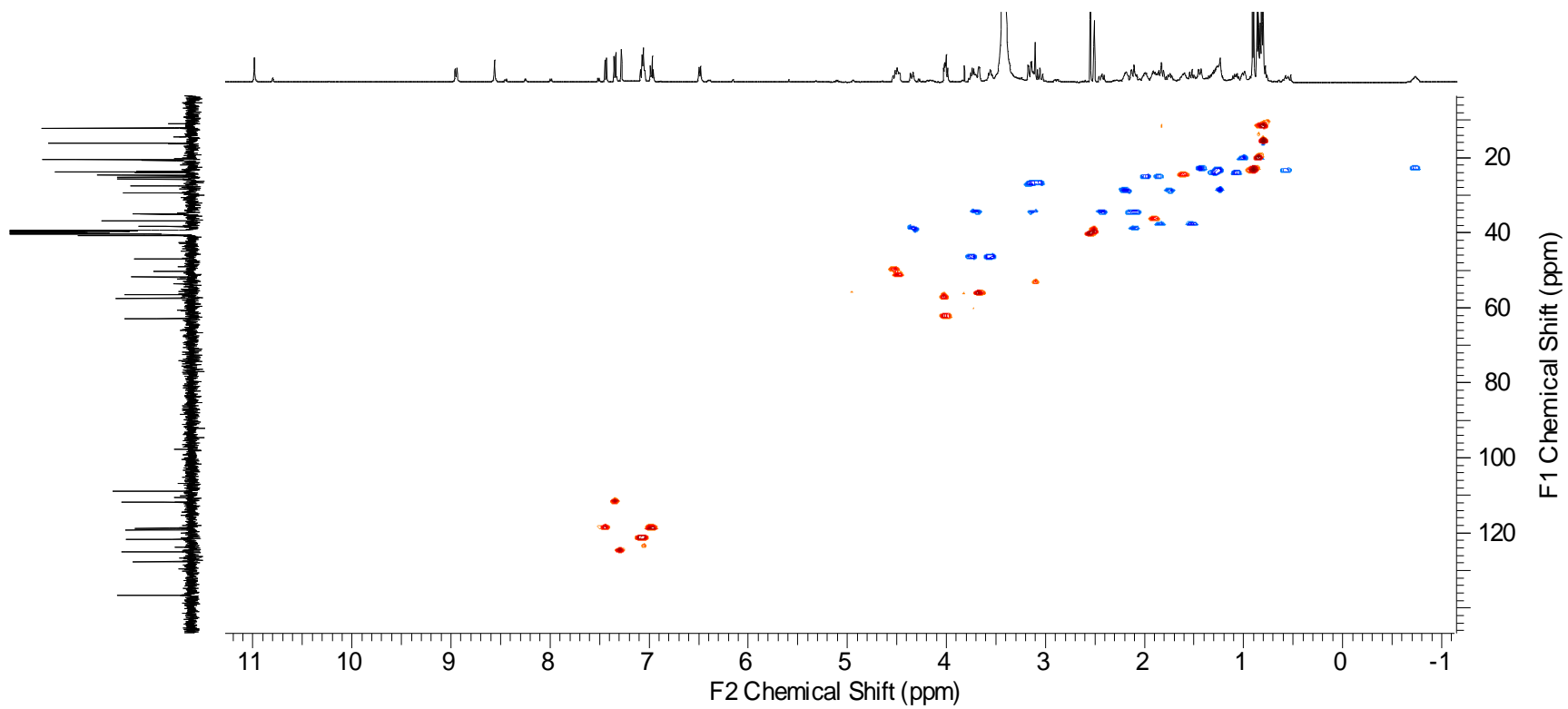


Figure S7. HSQC (DMSO-*d*₆) spectrum of pipecolisporin (**1**).

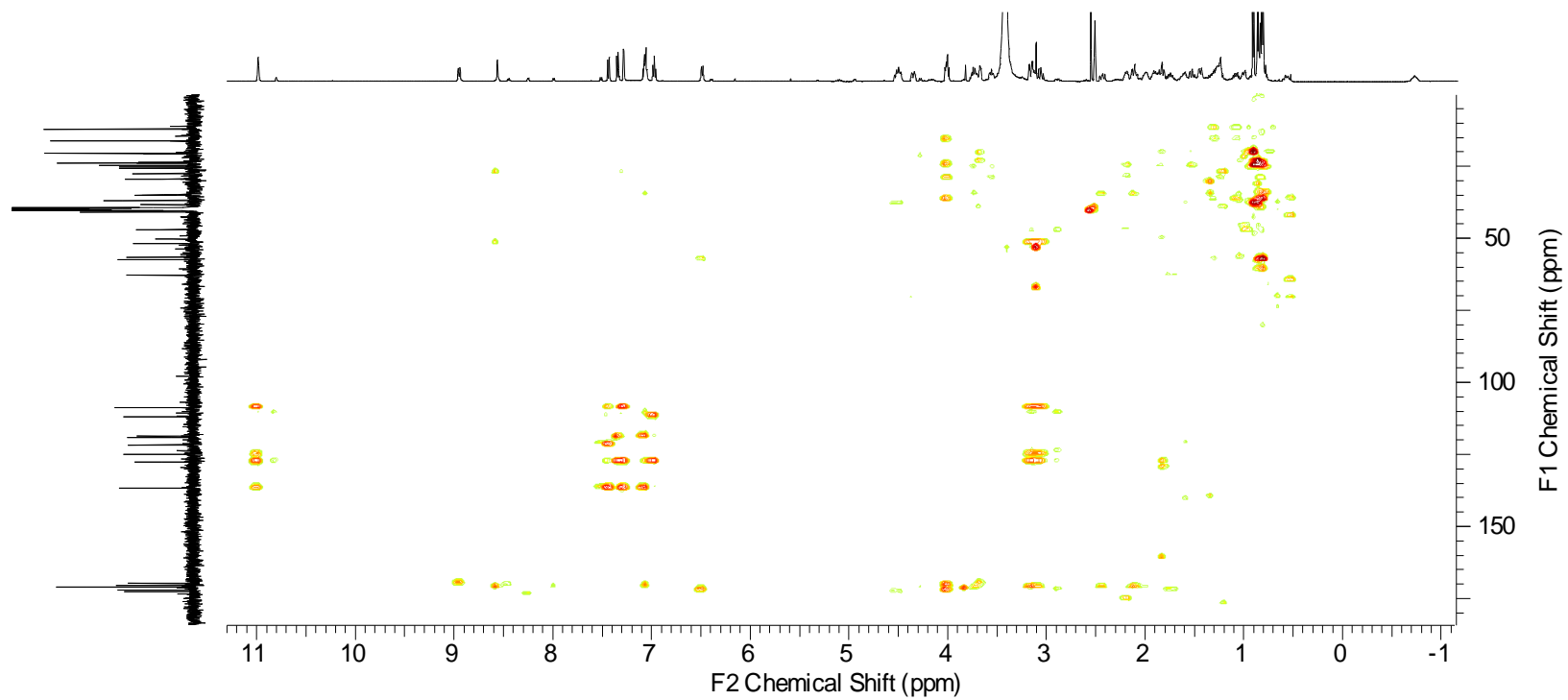


Figure S8. HMBC (DMSO-*d*₆) spectrum of pipecolisporin (**1**).

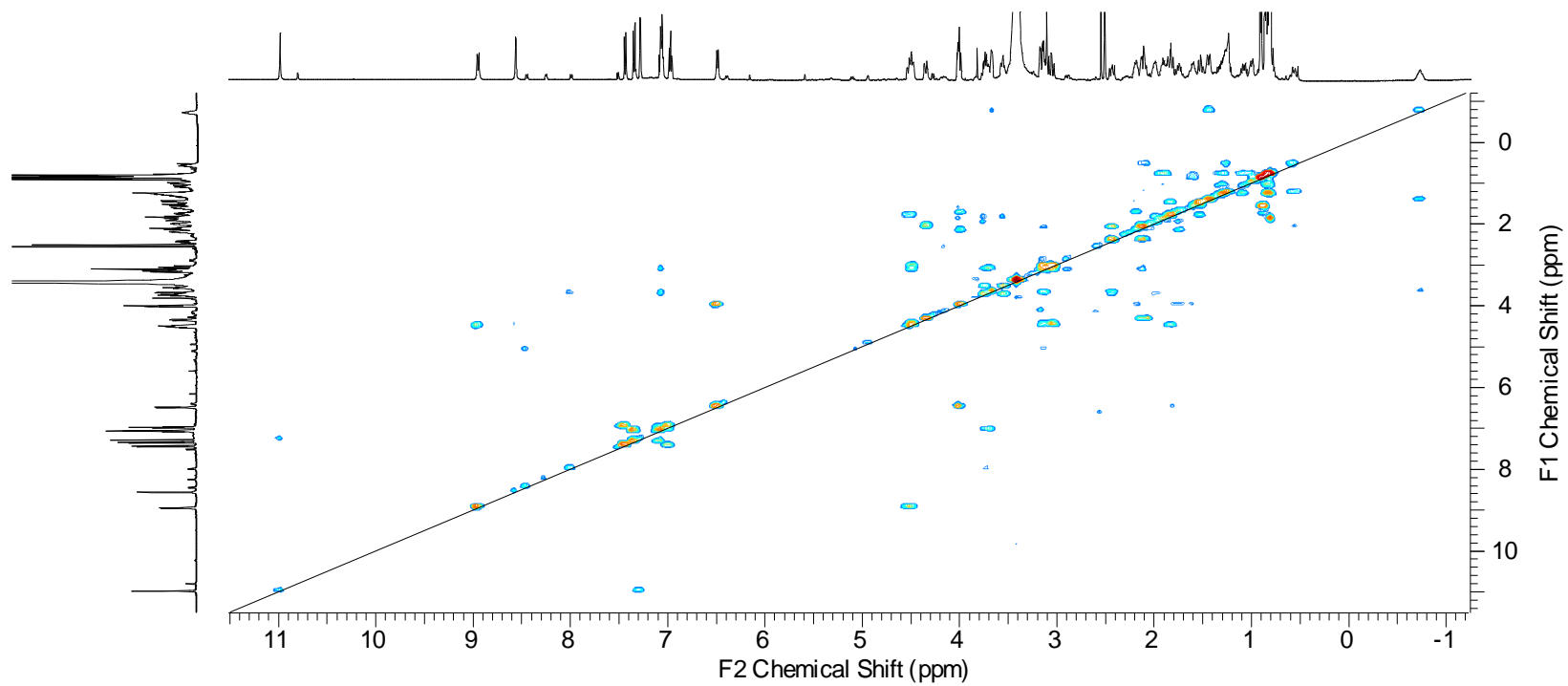


Figure S9. COSY (DMSO-*d*₆) spectrum of pipecolisporin (**1**).

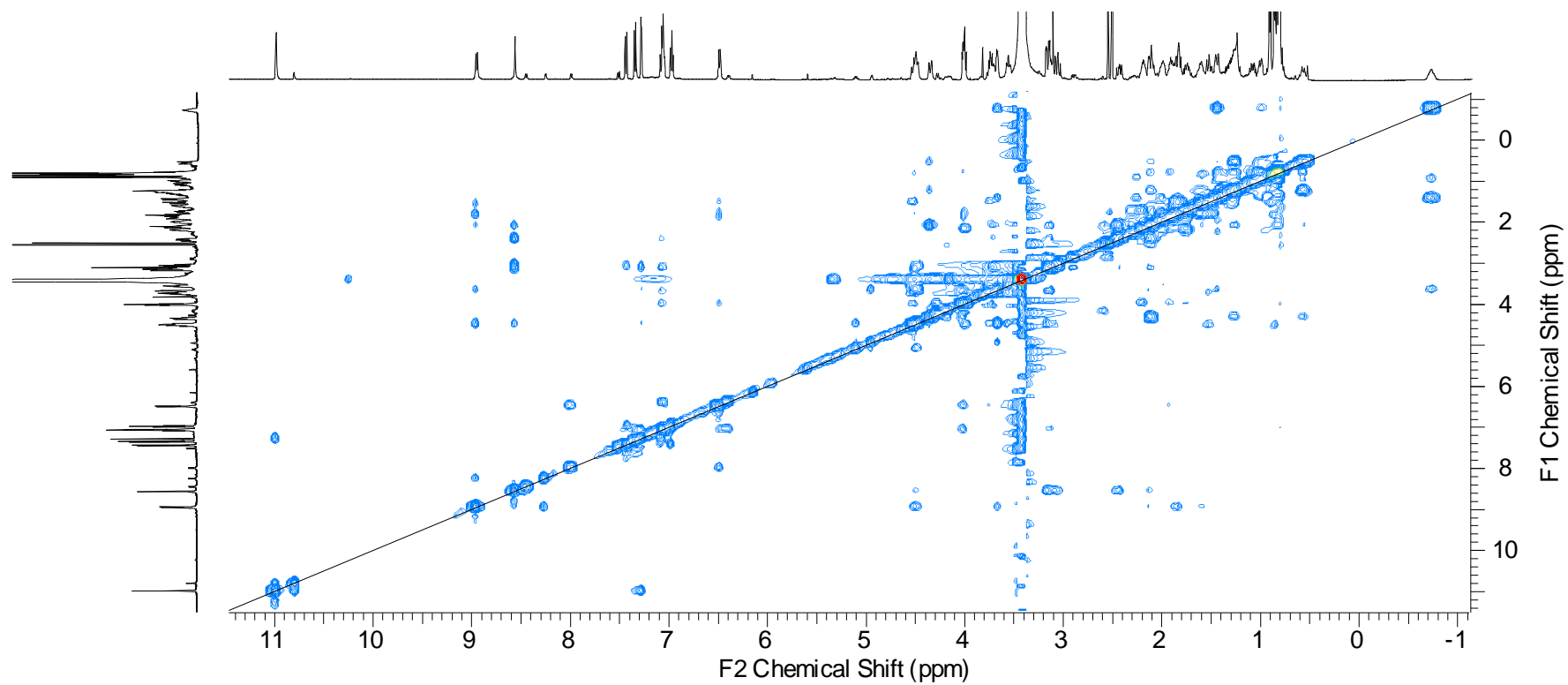


Figure S10. TOCSY (DMSO-*d*₆) spectrum of pipecolisporin (**1**).

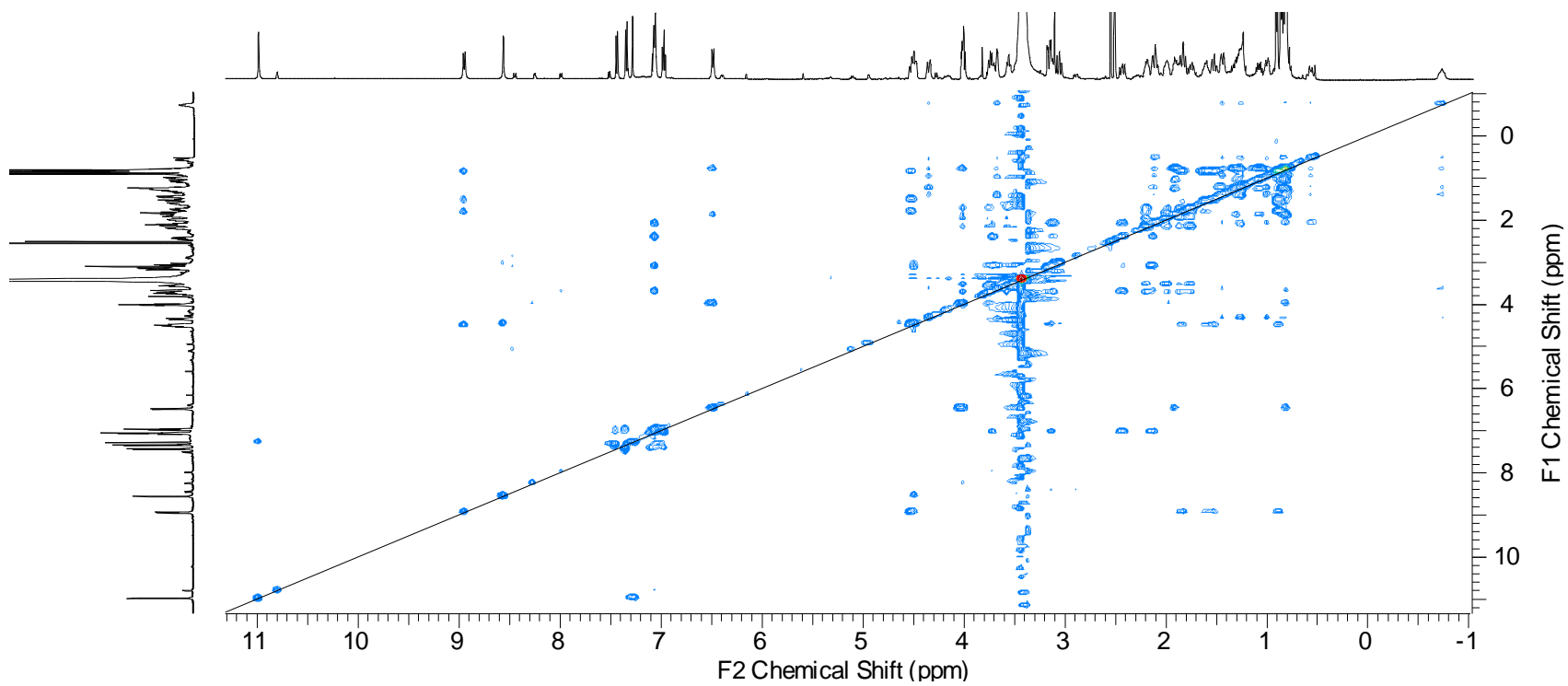


Figure S11. NOESY (DMSO-*d*₆) spectrum of pipecolisporin (**1**).

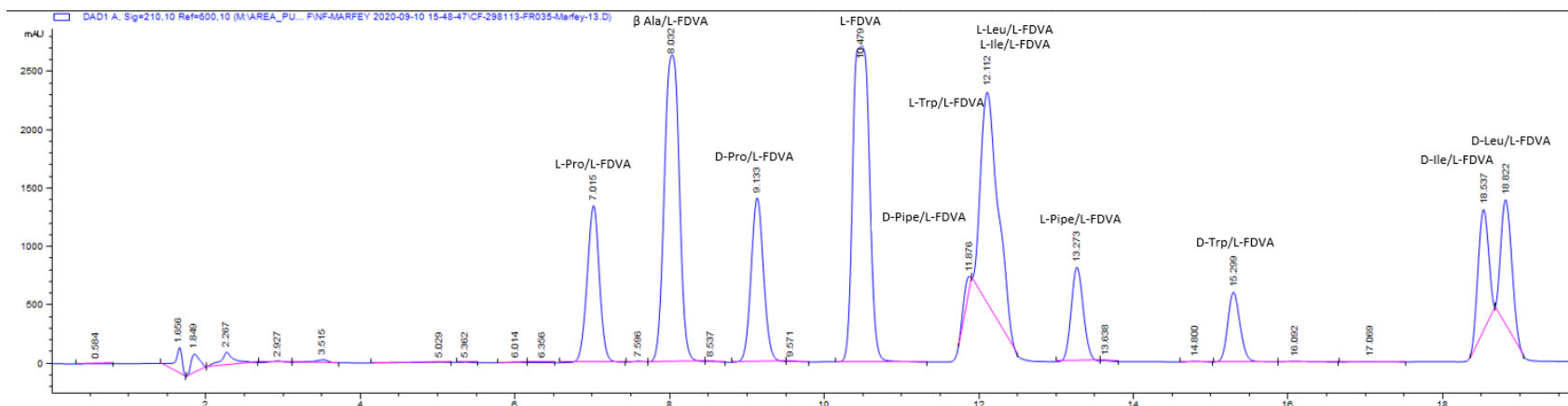


Figure S12. Chromatographic profile of the standard amino acids present in pipicolisporin (1) derivatized with L-FDVA.

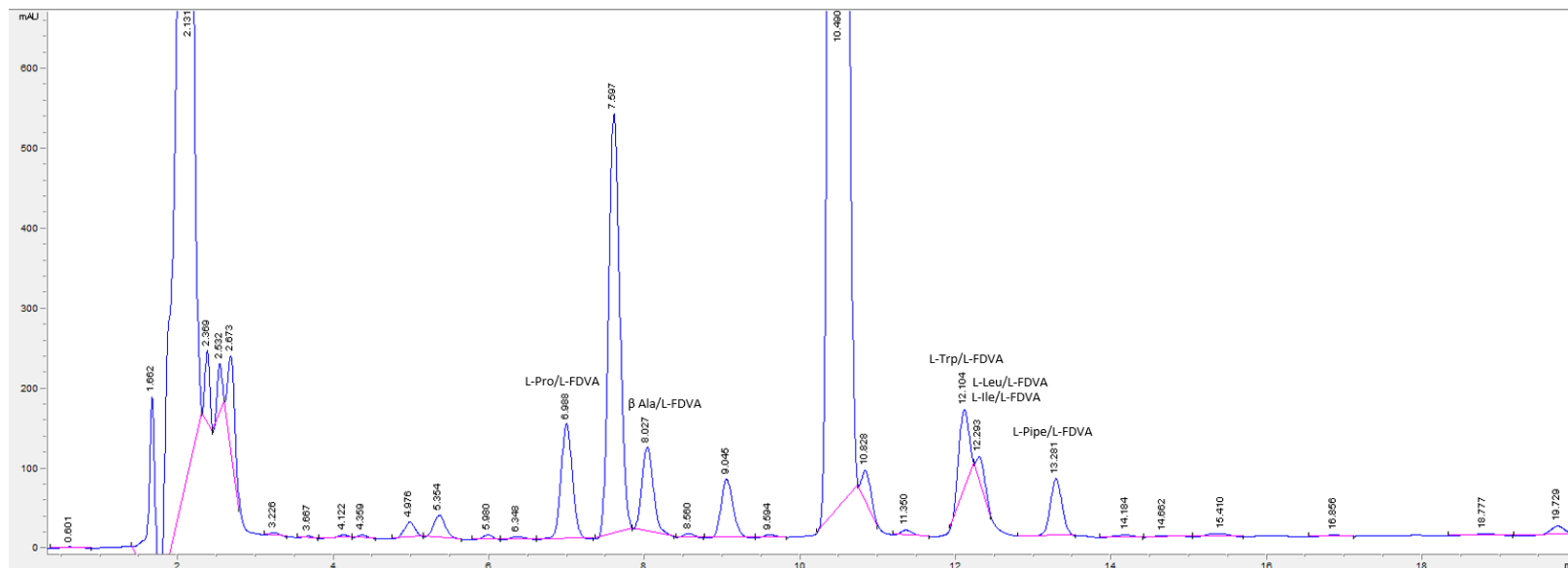


Figure S13. Chromatographic profile of the amino acids from the hydrolyzate of pipicolisporin (1) derivatized with L-FDVA.

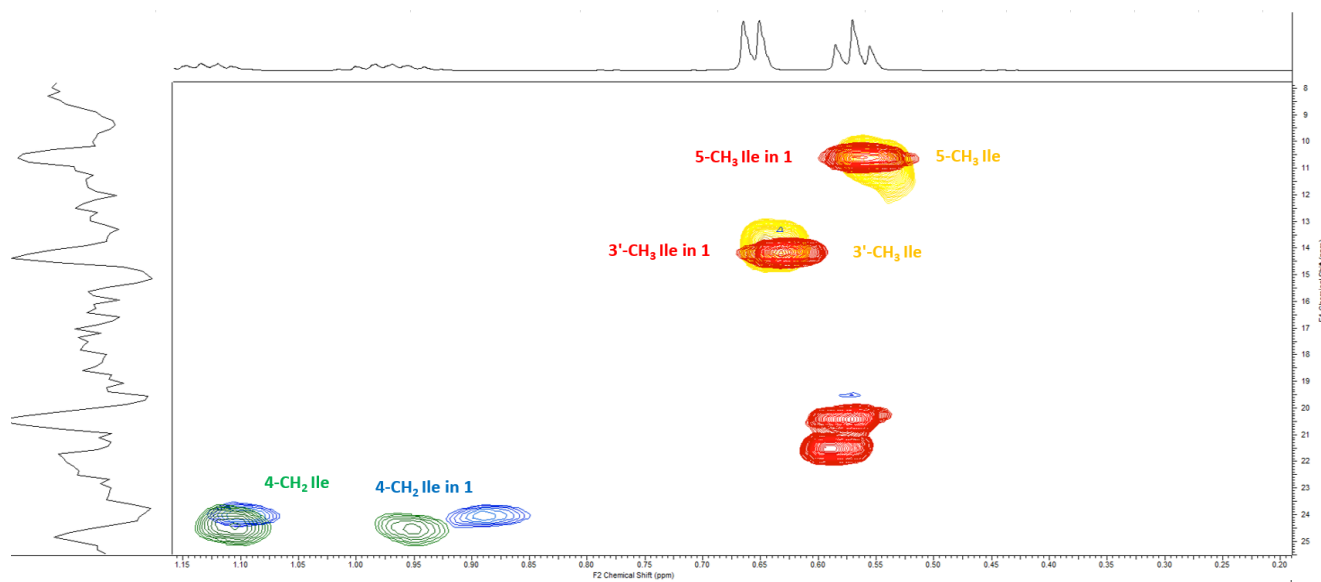


Figure S14. Overlay of HSQC NMR spectra of a hydrolysate of pipecolisporin (**1**) (red and blue NMR signals) and L-Ile standard amino acid (green and yellow NMR signals).

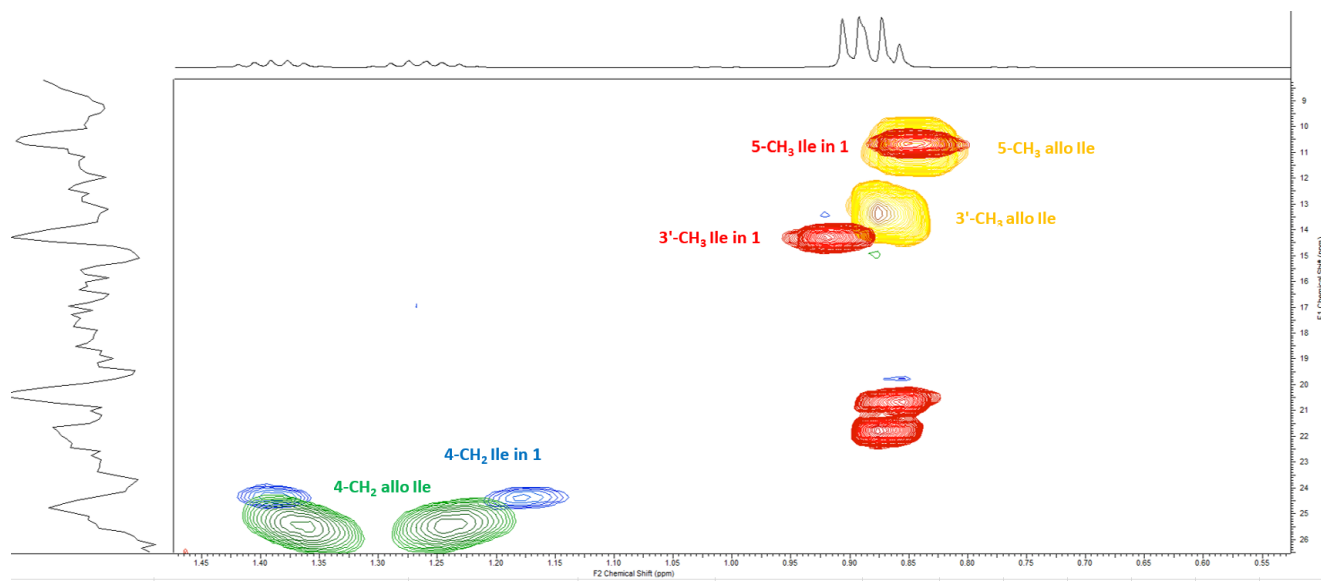


Figure S15. Overlay of HSQC NMR spectra of a hydrolysate of pipecolisporin (**1**) (red and blue NMR signals) and L-allo-Ile standard amino acid (green and yellow NMR signals).

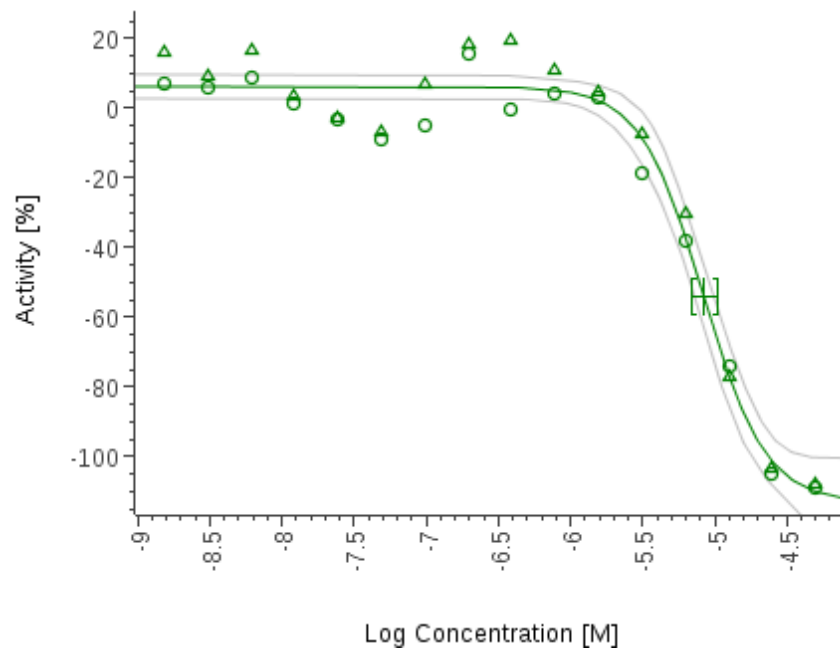


Figure S16. Growth inhibition curve of pipocolisporin (1) against *Tripanosoma cruzi*.

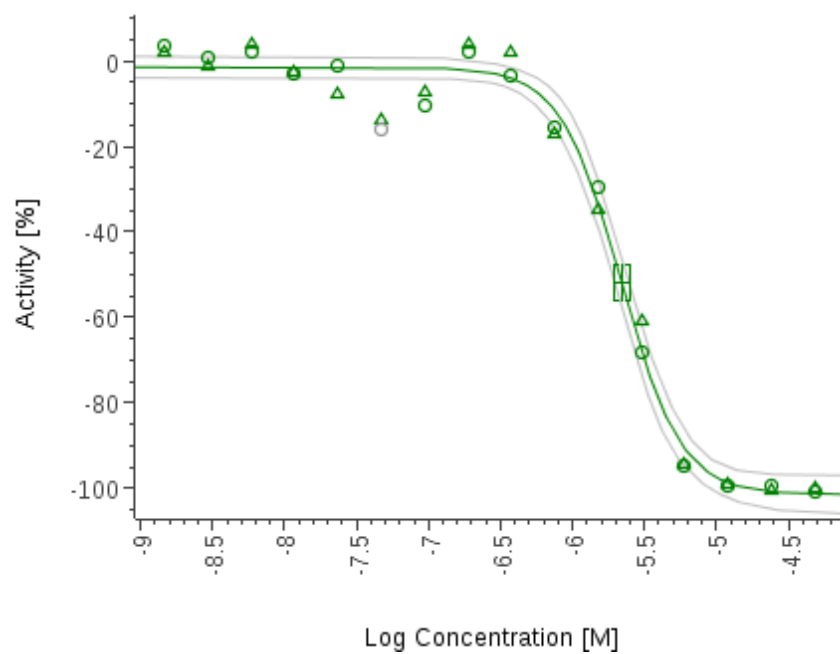


Figure S17. Growth inhibition curve of benznidazole against *T. cruzi*.

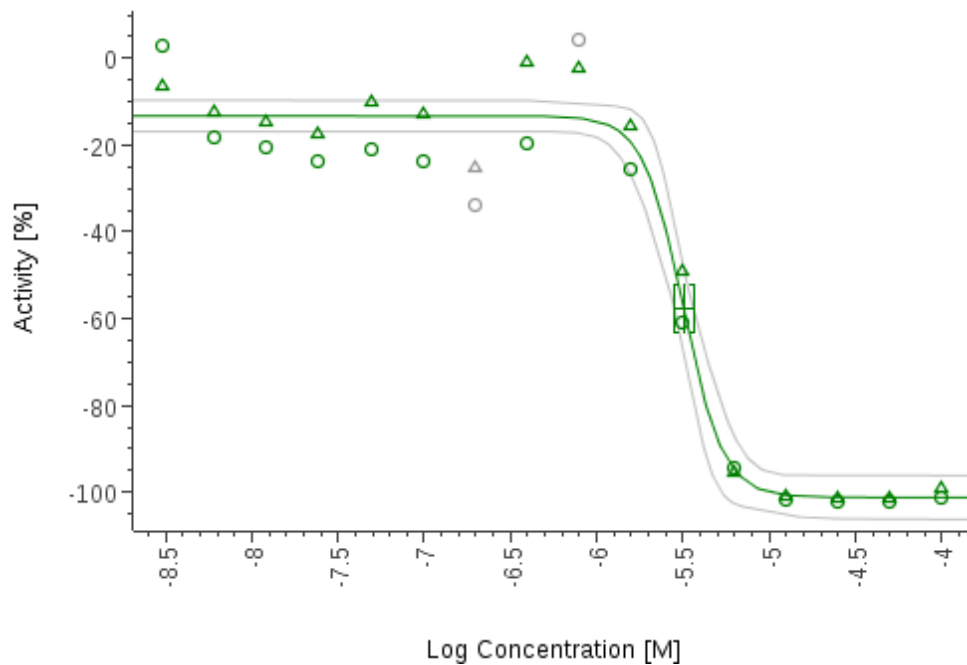


Figure S18. Growth inhibition curve of pipecolisporin (**1**) against *P. falciparum* 3D7.

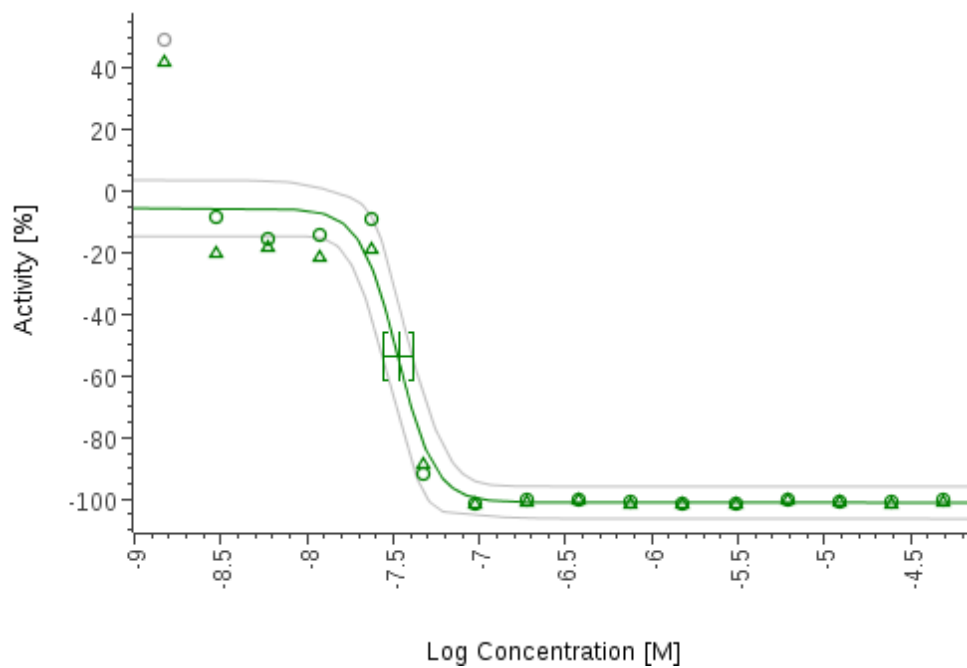


Figure S19. Growth inhibition curve of chloroquine against *P. falciparum* 3D7.

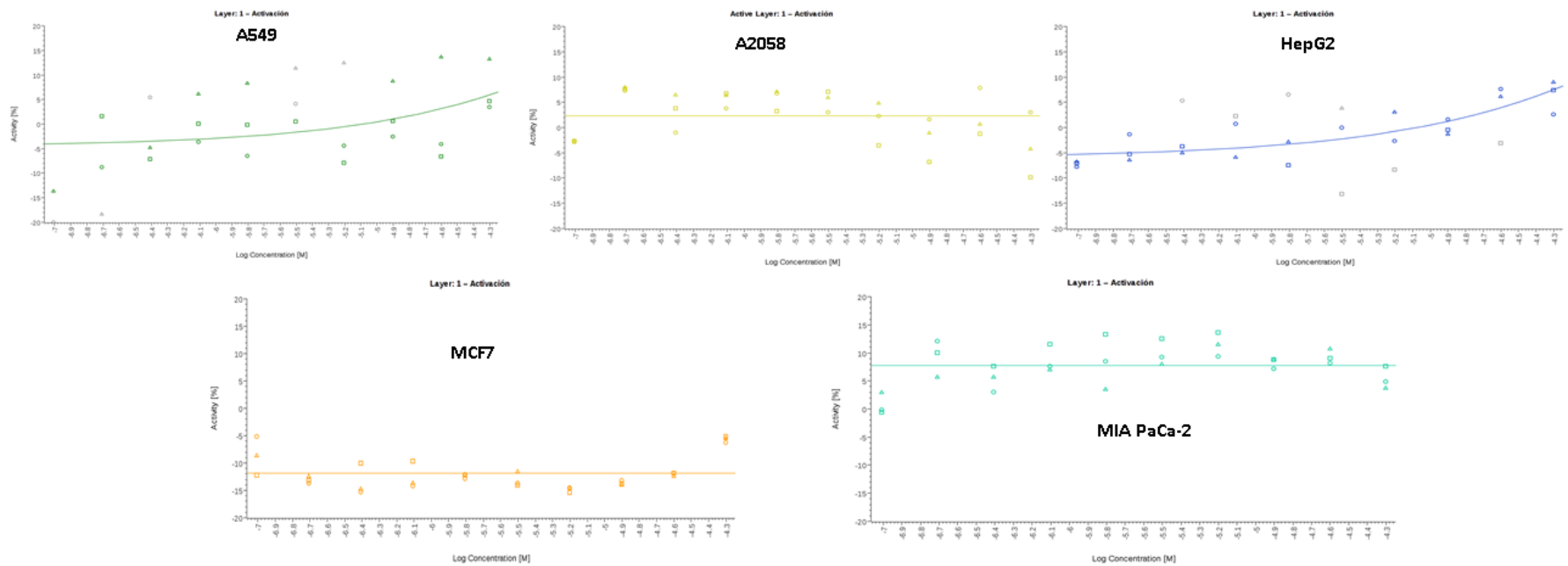


Figure S20. Growth inhibition curves of pipecolisporin (1) against human cell lines.

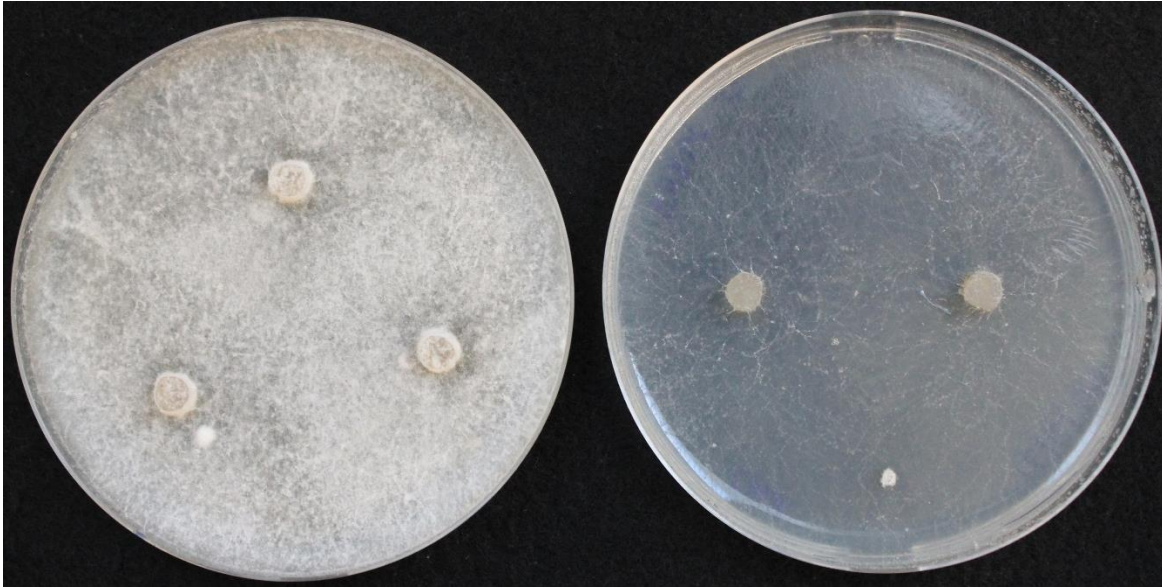


Figure S21. *Nigrospora oryzae* CF-298113. Upper surface overview of a 21 days culture after inoculation on a) Yeast-Malt medium; b) cornmeal medium.

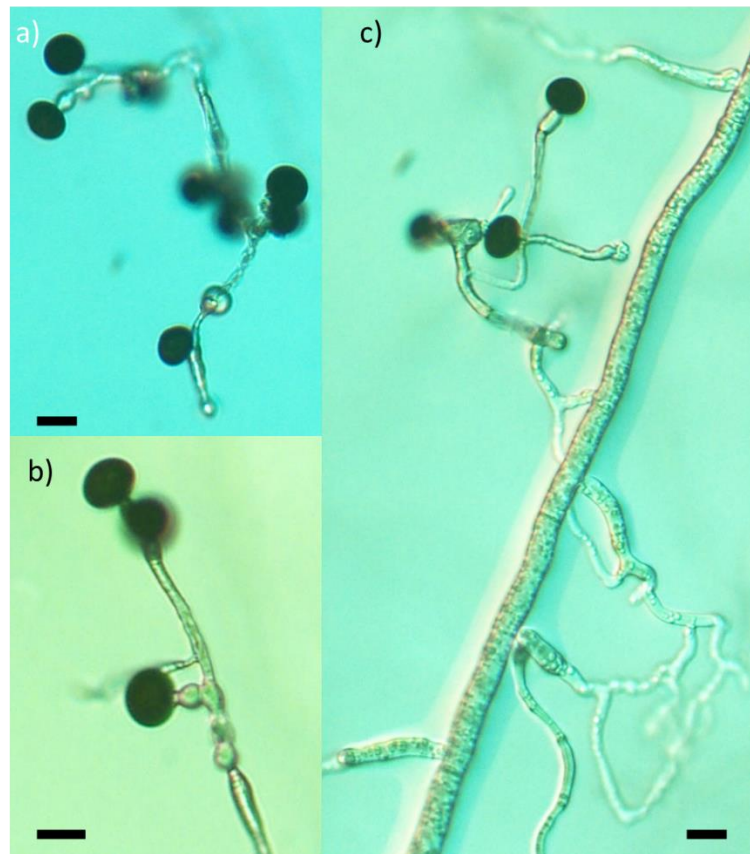


Figure S22. Conidiogenous cells giving rise to conidia. Scale bars: a-c = 10 μ m.