Supporting Information

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Antimicrobial, Cytotoxic, Antiviral, Anticancer Effects, and Spectroscopic Characterization of Metabolites Produced by *Fusarium oxysporum* YP9B

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Figure S3: APT NMR (100 MHz, Acetone-d₆) Spectrum of Compound 1



Figure S4: COSY NMR Spectrum of Compound 1



Figure S5: HMBC NMR Spectrum of Compound 1



Figure S6: TOCSY NMR Spectrum of Compound 1



Figure S7: LC-QTOF MS Spectrum of Compound 1



Figure S8: LC-MS Spectrum of Compound 1



Figure S9: FT-IR Spectrum of Compound 1



Figure S10: ¹H NMR (400 MHz, Acetone-d₆) Spectrum of Compound 2



Figure S11: 13 C NMR (100 MHz, Acetone-d₆) Spectrum of Compound 2



Figure S12: APT NMR (100 MHz, Acetone-d₆) Spectrum of Compound 2



Figure S13: COSY NMR Spectrum of Compound 2



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Figure S16: FT-IR Spectrum of Compound 2



Figure S17: ¹H NMR (400 MHz, CDCl₃) Spectrum of Compounds 3a, 3b and 3c





Figure S19: APT NMR (100 MHz, CDCl₃) Spectrum of Compounds 3a, 3b and 3c



Figure S20: COSY NMR Spectrum of Compounds 3a, 3b and 3c



Figure S21: HMBC NMR Spectrum of Compounds 3a, 3b and 3c



Figure S22: LC-QTOF MS Spectrum of Compound 3a, 3b and 3c



Figure S23: LC-MS Spectrum of Compounds 3a, 3b and 3c



Figure S24: FT-IR Spectrum of Compounds 3a, 3b and 3c



6.2 6.0 5.8 5.6 5.4 5.2 5.0 4.8 4.6 4.4 4.2 4.0 3.8 3.6 3.4 3.2 3.0 2.8 2.6 2.4 2.2 2.0 1.8 1.6 1.4 1.2 1.0 0.8 0.6 0.4 **Figure S25:** ¹H NMR (400 MHz, Acetone-d₆) Spectrum of Compounds **4a** and **4b**





Figure S27: APT NMR (100 MHz, Acetone-d₆) Spectrum of Compounds 4a and 4b



Figure S28: HMBC NMR Spectrum of Compounds 4a and 4b



Figure S29: TOCSY NMR Spectrum of Compounds 4a and 4b



Figure S30: LC-QTOF MS Spectrum of Compound 4a and 4b



Figure S31: LC-MS Spectrum of Compounds 4a and 4b



Figure S32: FT-IR Spectrum of Compounds 4a and 4b



6.4 6.2 6.0 5.8 5.6 5.4 5.2 5.0 4.8 4.6 4.4 4.2 4.0 3.8 $3.6_{f_1} \frac{3.4}{(ppm)} 3.2$ 3.0 2.8 2.6 2.4 2.2 2.0 1.8 1.6 1.4 1.2 1.0 0.8 0.6 0.4 **Figure S33:** ¹H NMR (400 MHz, Acetone-d₆) Spectrum of Compounds **5a**, **5b** and **5c**

Figure S34: ¹³C NMR (100 MHz, Acetone-d₆) Spectrum of Compounds 5a, 5b and 5c

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Figure S36: COSY NMR Spectrum of Compounds 5a, 5b and 5c

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Figure S38: HSQC NMR Spectrum of Compounds 5a, 5b and 5c

Figure S39: LC-QTOF MS Spectrum of Compound 5a, 5b and 5c

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Figure S40: LC-MS Spectrum of Compounds 5a, 5b and 5c

Figure S41: FT-IR Spectrum of Compounds 5a, 5b and 5c