

Supplementary Information

Chemical, bioactivity and biosynthetic screening of epiphytic fungus *Zasmidium pseudotsugae*

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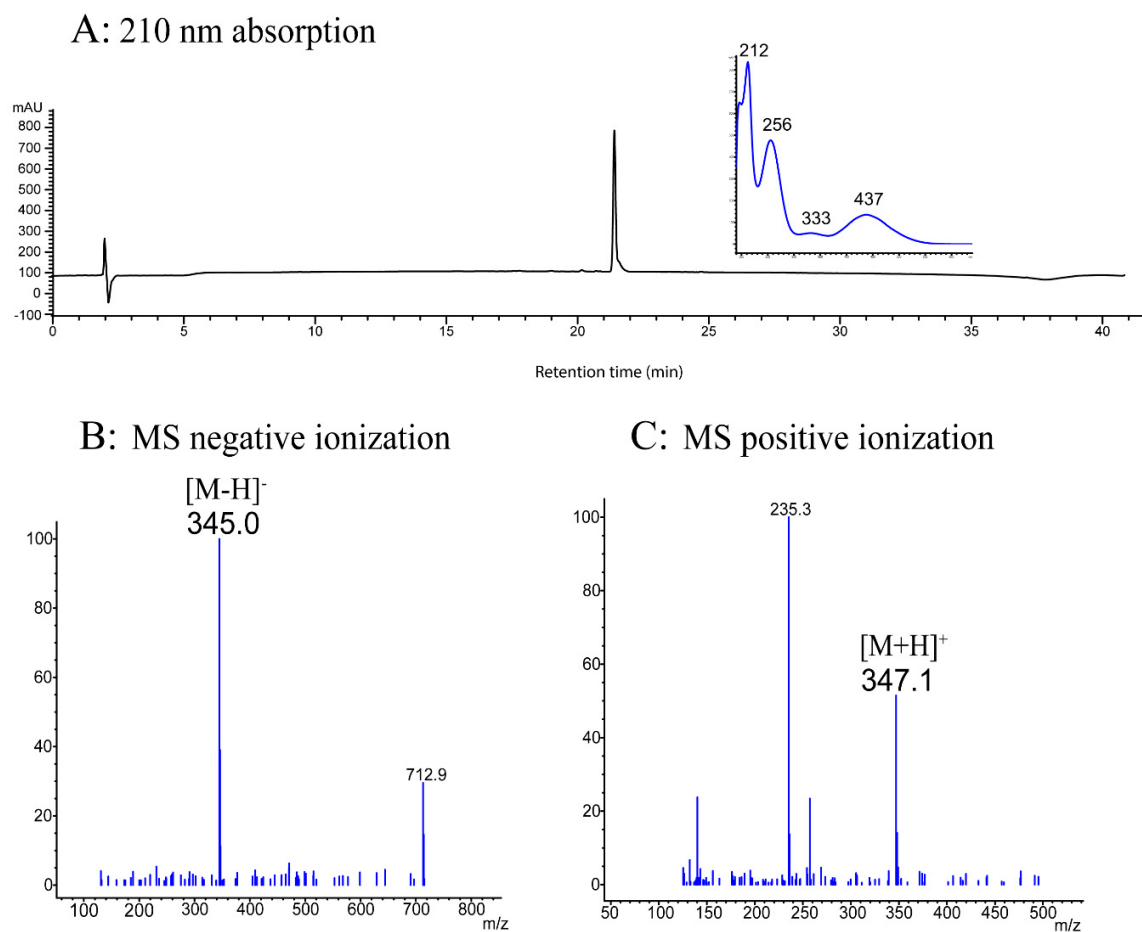


Figure A1. LC/MS analysis of pure 8,8'-bijuglone (**1**), C18 column, isocratic 50% ACN:50%water. (A) Absorption at 210 nm in black with UV chromophore insert in blue, (B) MS spectrum in negative ionization, (C) MS spectrum in positive ionization.

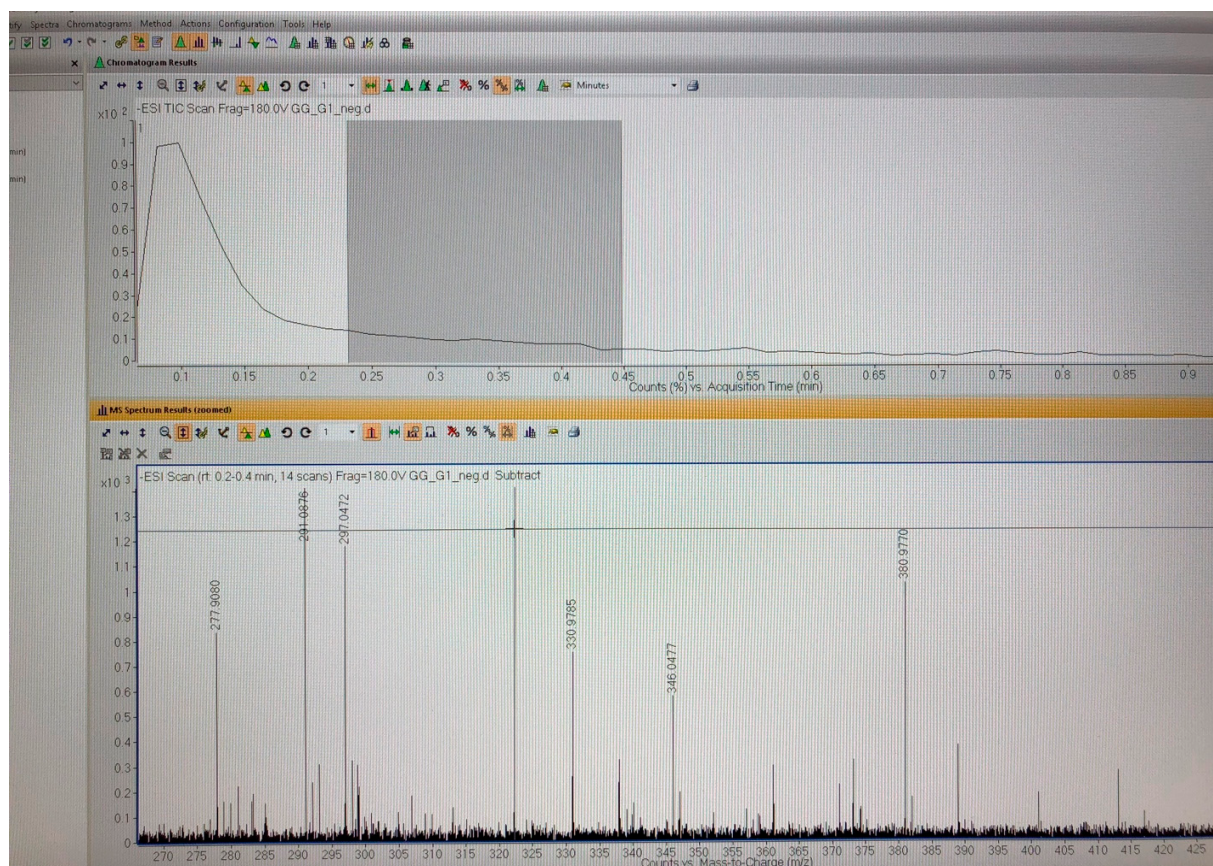


Figure A2. HR/MS analysis of pure 8,8'-bijuglone (1). Direct injection, negative mode, on QTOF-HRMS with m/z 346.0477 [M]⁻ calcd. for C₂₀H₁₀O₆⁻ 346.04829.

Apologies, due to the COVID-19 outbreak April/May 2020, we were not able to receive the original data file from the instrument to create a figure.

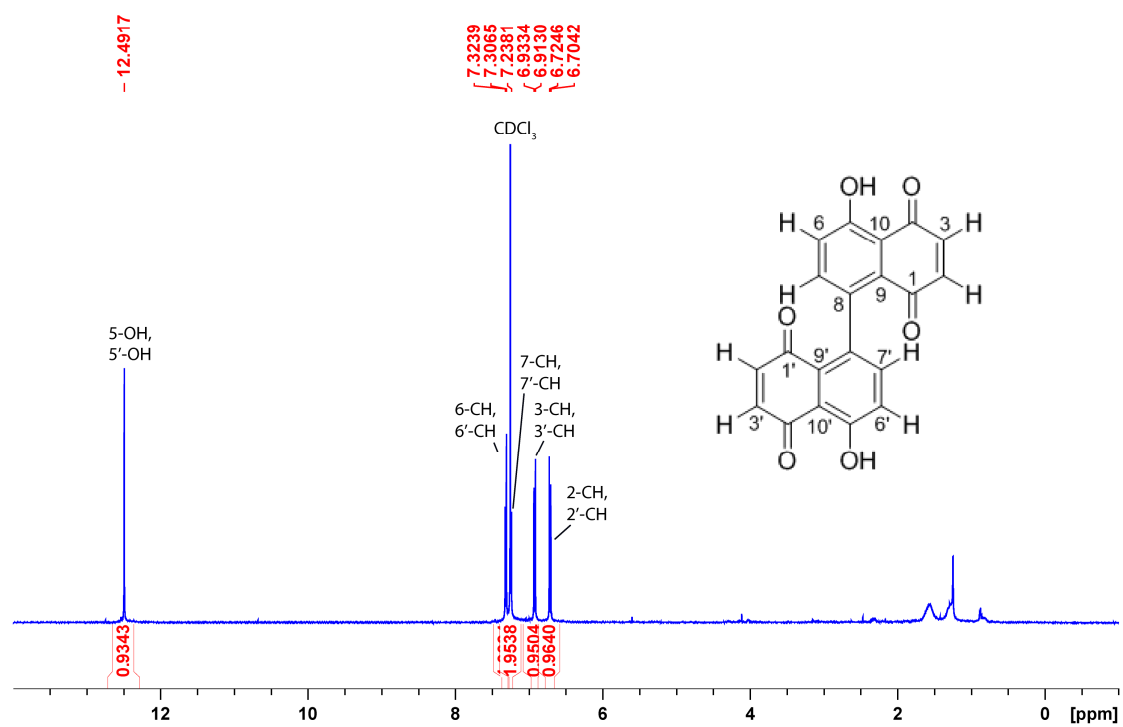


Figure A3. ^1H -NMR spectrum of 8,8'-bijuglone (1) in CDCl_3 (500 MHz).

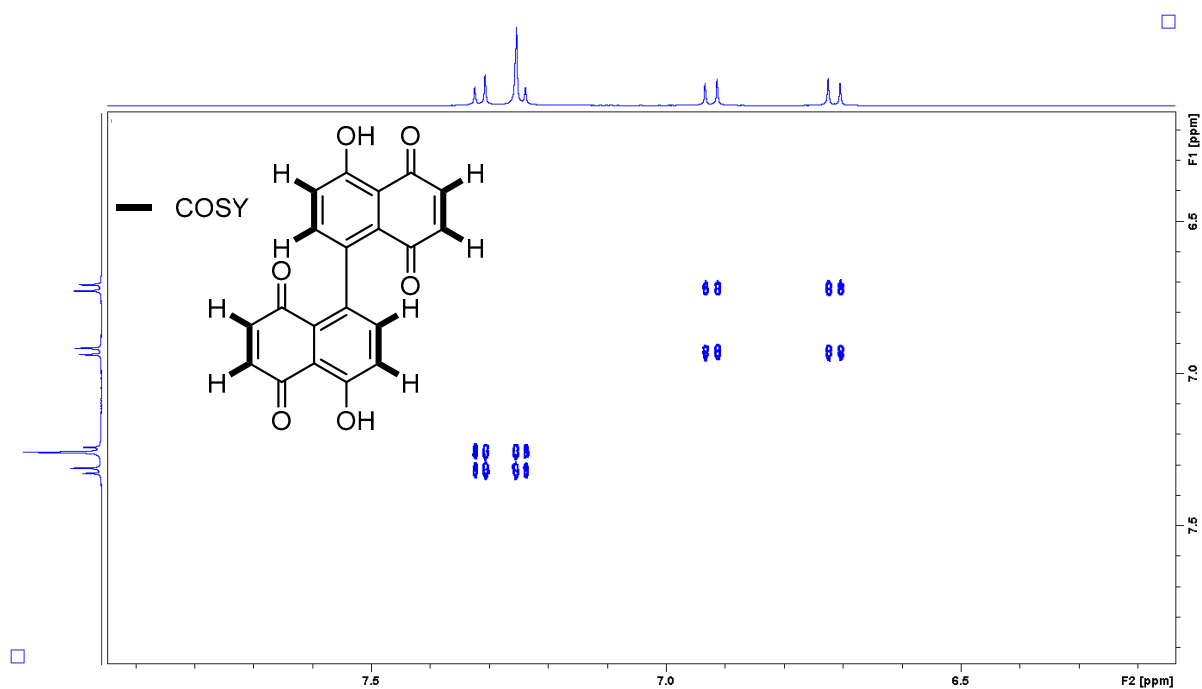


Figure A4. COSY spectrum of 8,8'-bijuglone (**1**) in CDCl_3 (500 MHz).

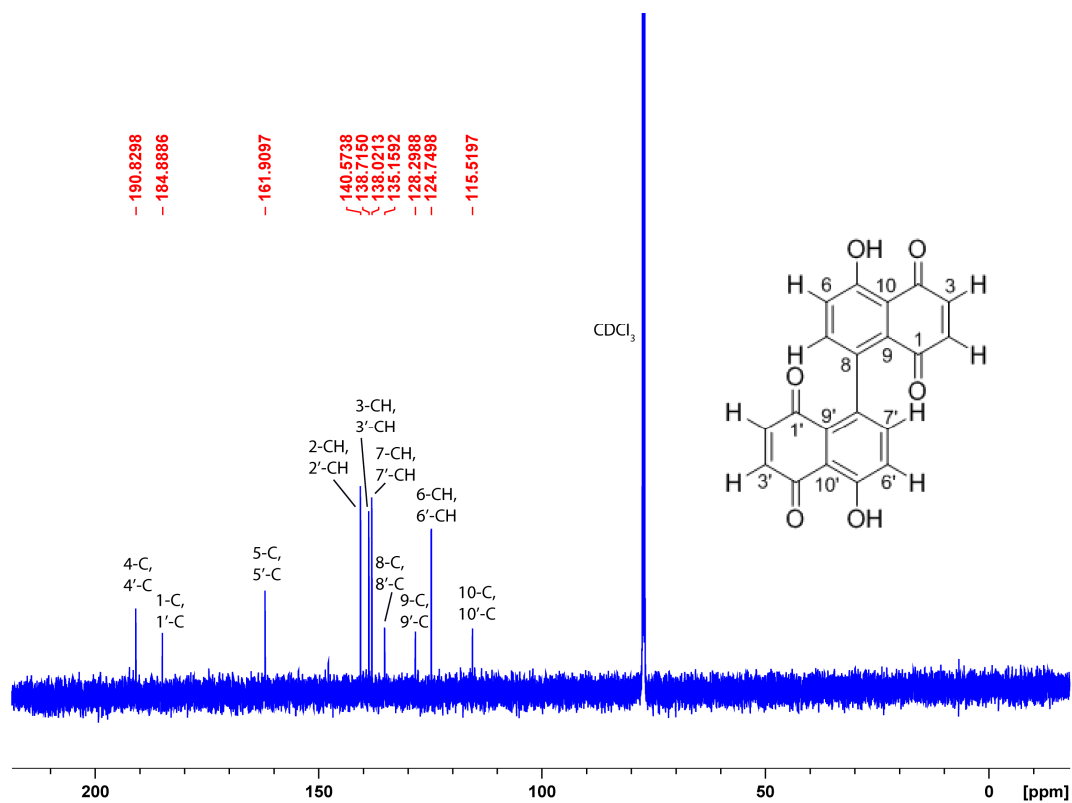


Figure A5. ¹³C-NMR spectrum of 8,8'-bijuglone (1) in CDCl₃ (500 MHz).

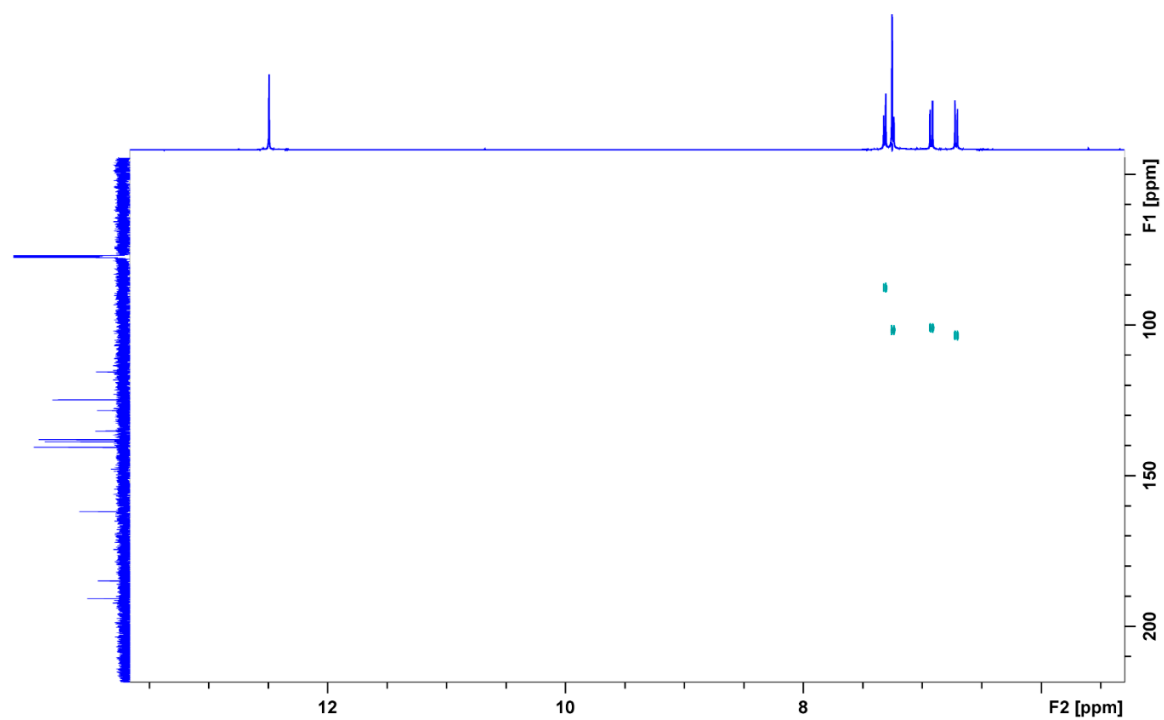


Figure A6. HSQC spectrum of 8,8'-bijuglone (**1**) in CDCl₃ (500 MHz).

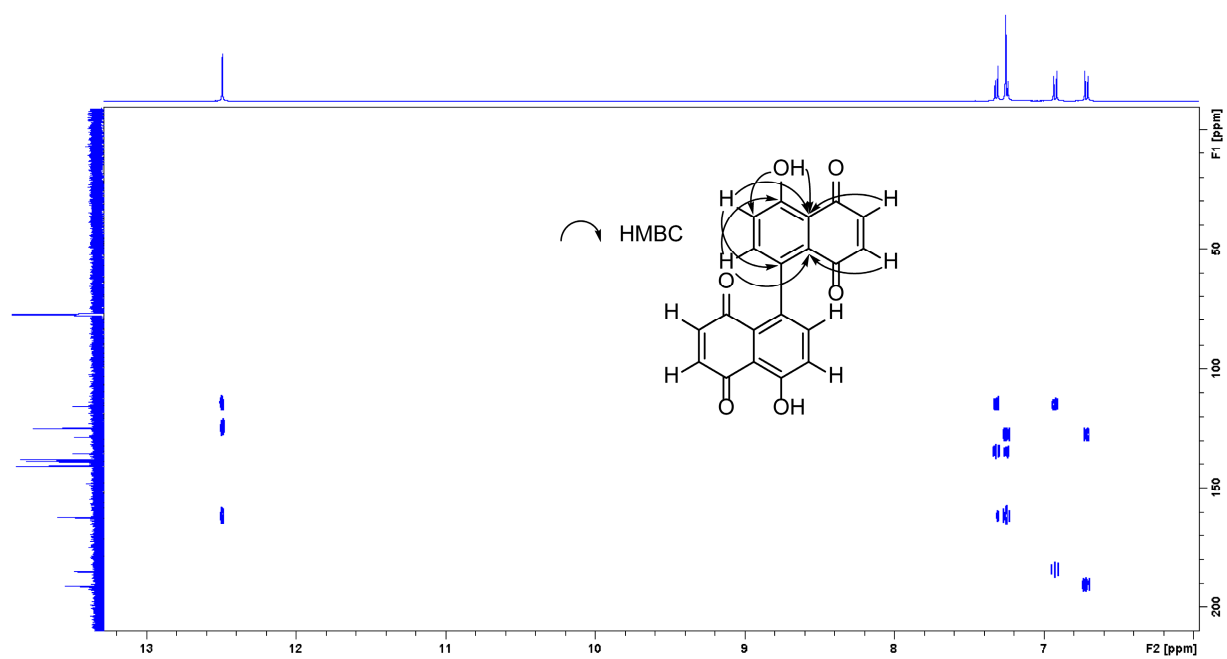


Figure A7. HMBC spectrum of 8,8'-bijuglone (**1**) in CDCl₃ (500 MHz).

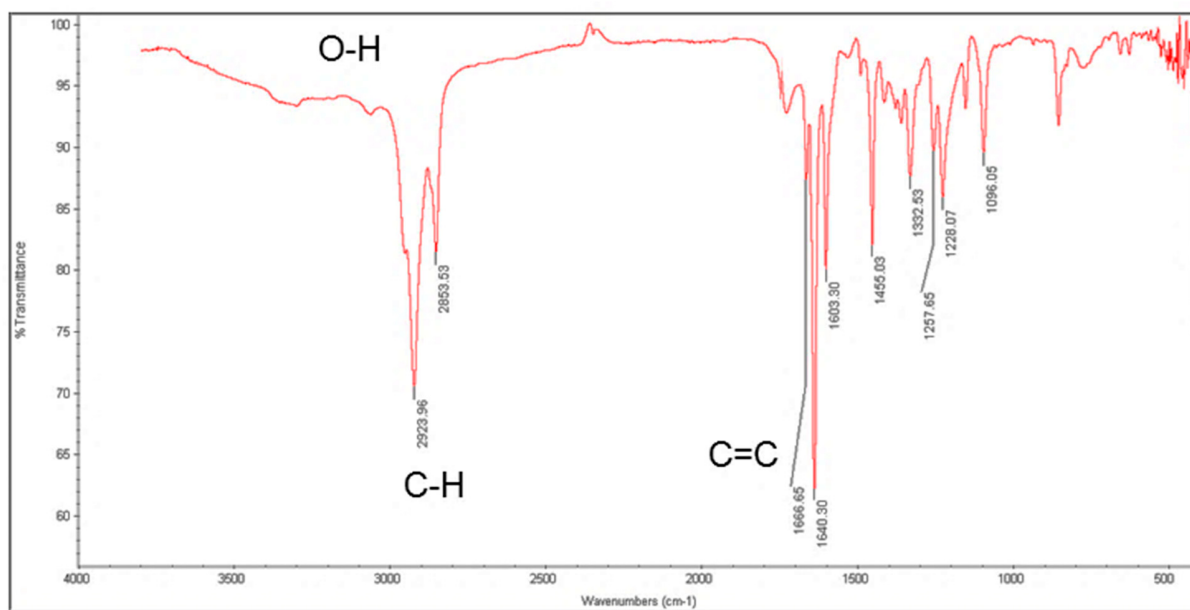


Figure A8. IR spectrum of 8,8'-bijuglone (**1**).