

## SUPPLEMENTARY MATERIAL

### **Hypocrol A, a new tyrosol derivative from a sponge-derived strain of the fungus *Hypocrea Koningii***

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## Hypocrol A, a new tyrosol derivative from a sponge-derived strain of the fungus *Hypocrea Koningii*

**Abstract:** In continuation of our search for new antibacterial and antioxidant metabolites from sponge-derived fungi, one new tyrosol derivative, hypocrol A (**1**), together with four known congeners, trichodenol B (**2**), 4-hydroxyphenethyl acetate (**3**), 4-hydroxyphenethyl tetradecanoate (**4**), and 1-oleyltirosol (**5**) were isolated from the strain *Hypocrea Koningii* PF04. Their structures were unequivocally elucidated by spectroscopic methods and comparison with literature data. All the compounds displayed weak antibacterial activities against *Staphylococcus aureus*, methicillin-resistant *Staphylococcus aureus*, and *Escherichia coli*, whereas compounds **1** and **2** exhibited a moderate antioxidant efficacy in the DPPH (2,2-diphenyl-1-picrylhydrazyl) radical scavenging assay with IC<sub>50</sub> values of 48.5 and 97.4 µg/mL, respectively.

**Keywords:** Tyrosol derivative; *Hypocrea Koningii*; antibacterial activity; antioxidant

### Figure legends

Figure S1. Key <sup>1</sup>H-<sup>1</sup>H COSY, HMBC correlations of **1**

Figure S2. HRESIMS of **1**

Figure S3. UV of **1** in MeOH

Figure S4. IR of **1**

Figure S5. <sup>1</sup>H NMR (600 MHz, DMSO-*d*<sub>6</sub>) of **1**

Figure S6. <sup>13</sup>C NMR (150 MHz, DMSO-*d*<sub>6</sub>) of **1**

Figure S7. COSY (600 MHz, DMSO-*d*<sub>6</sub>) of **1**

Figure S8. HSQC (600 MHz, DMSO-*d*<sub>6</sub>) of **1**

Figure S9. HMBC (600 MHz, DMSO-*d*<sub>6</sub>) of **1**

Figure S1. Key  $^1\text{H}$ - $^1\text{H}$  COSY, HMBC correlations of **1**.

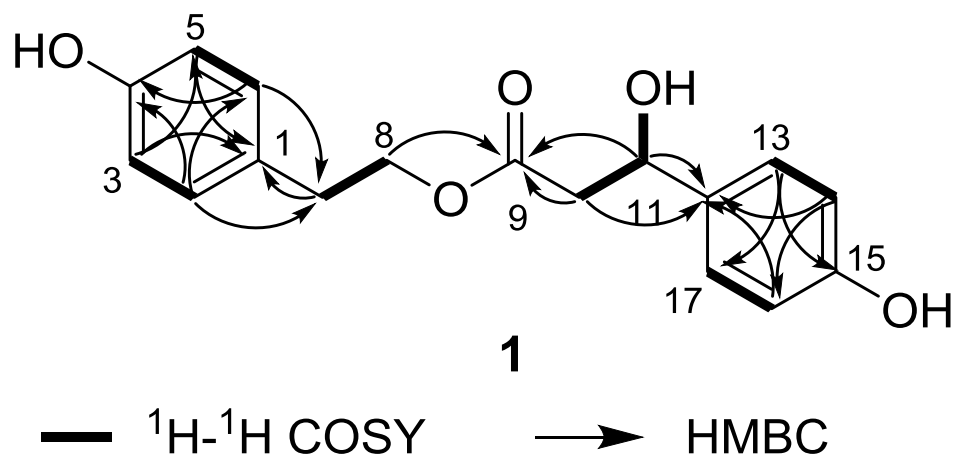


Figure S2. HRESIMS of **1**

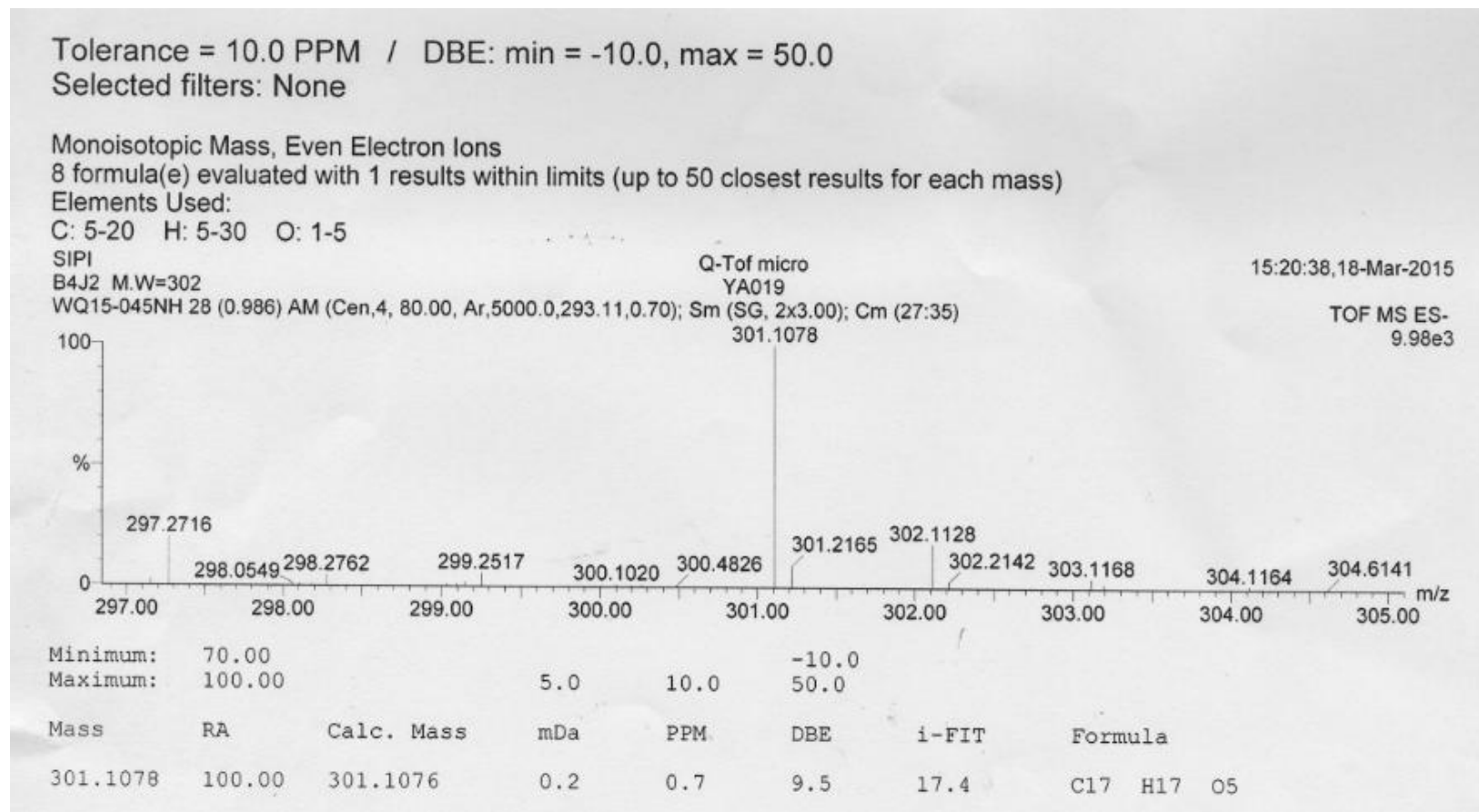


Figure S3.UV of **1** in MeOH

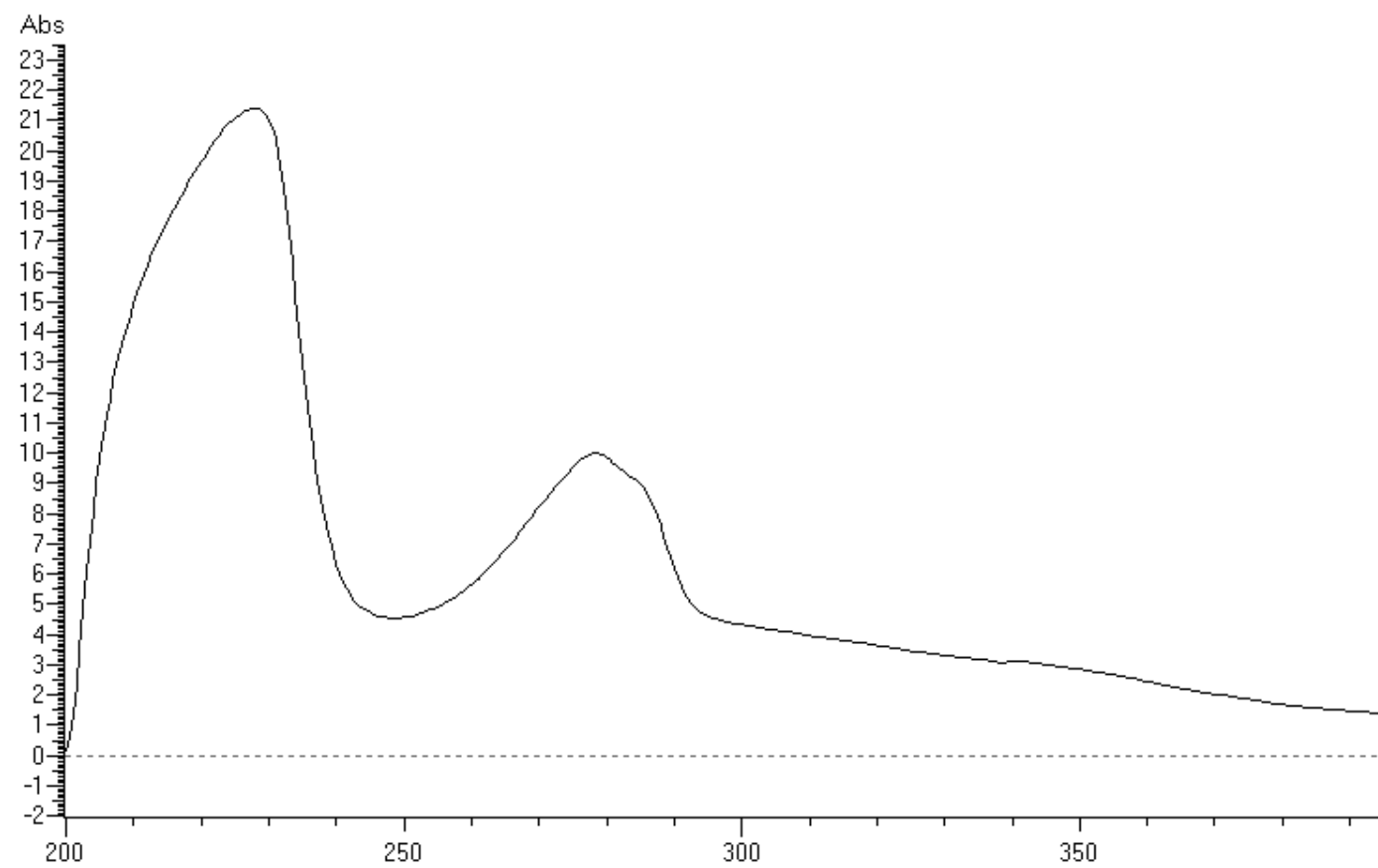


Figure S4. IR of **1**

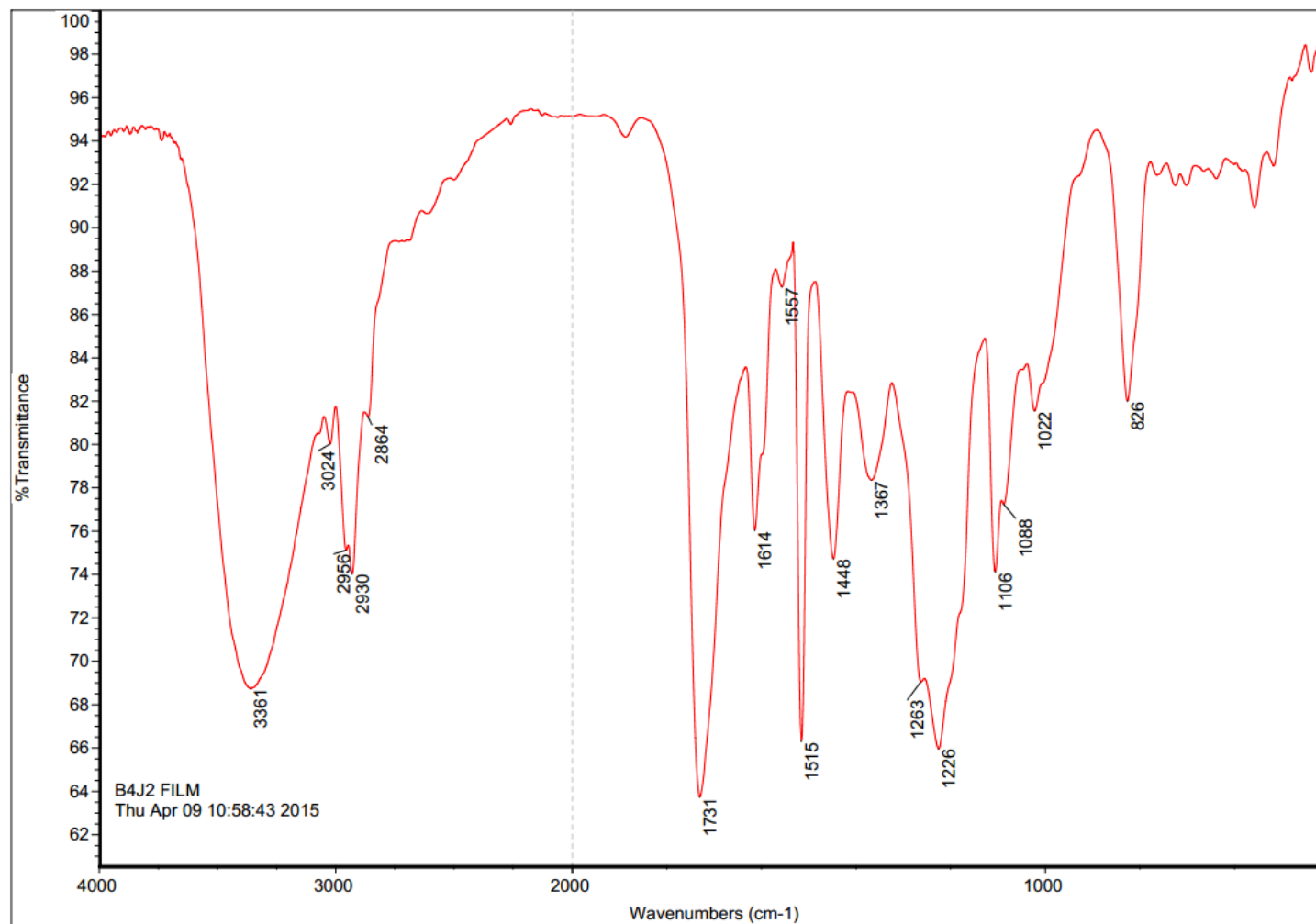


Figure S5.  $^1\text{H}$  NMR (600 MHz,  $\text{DMSO}-d_6$ ) of **1**

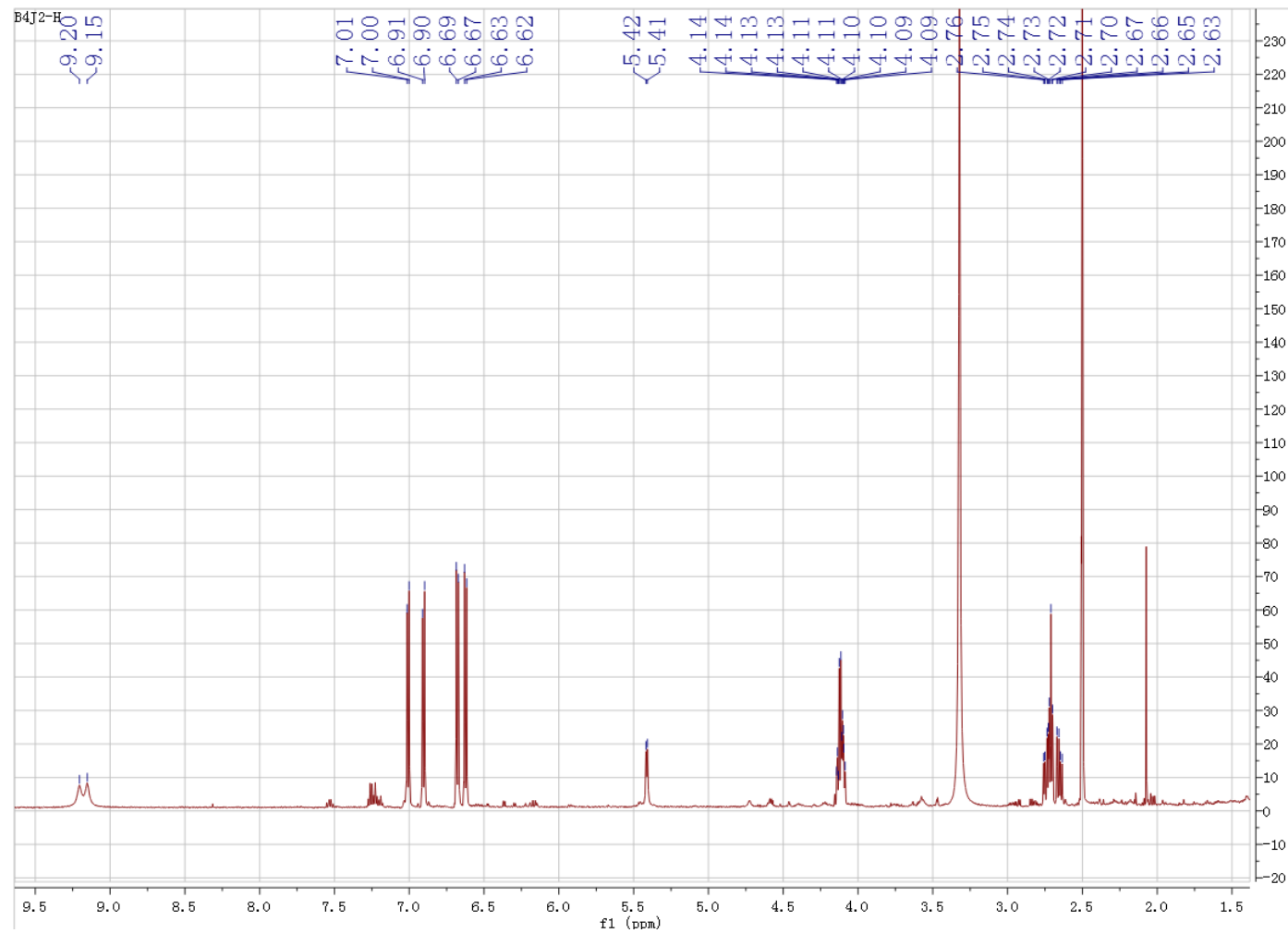


Figure S6.  $^{13}\text{C}$  NMR (150 MHz,  $\text{DMSO}-d_6$ ) of **1**

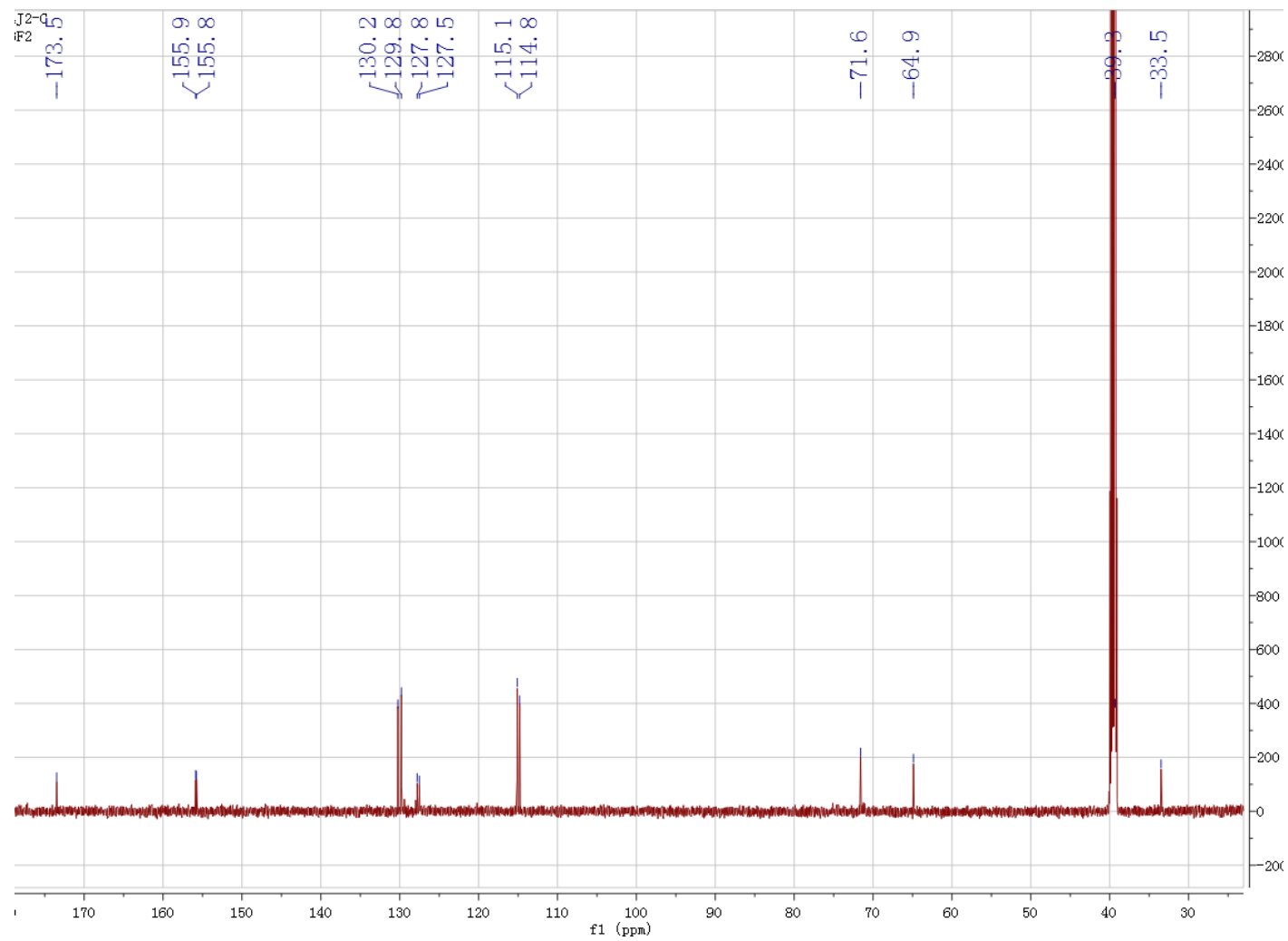




Figure S7. COSY (600 MHz, DMSO- $d_6$ ) of **1**

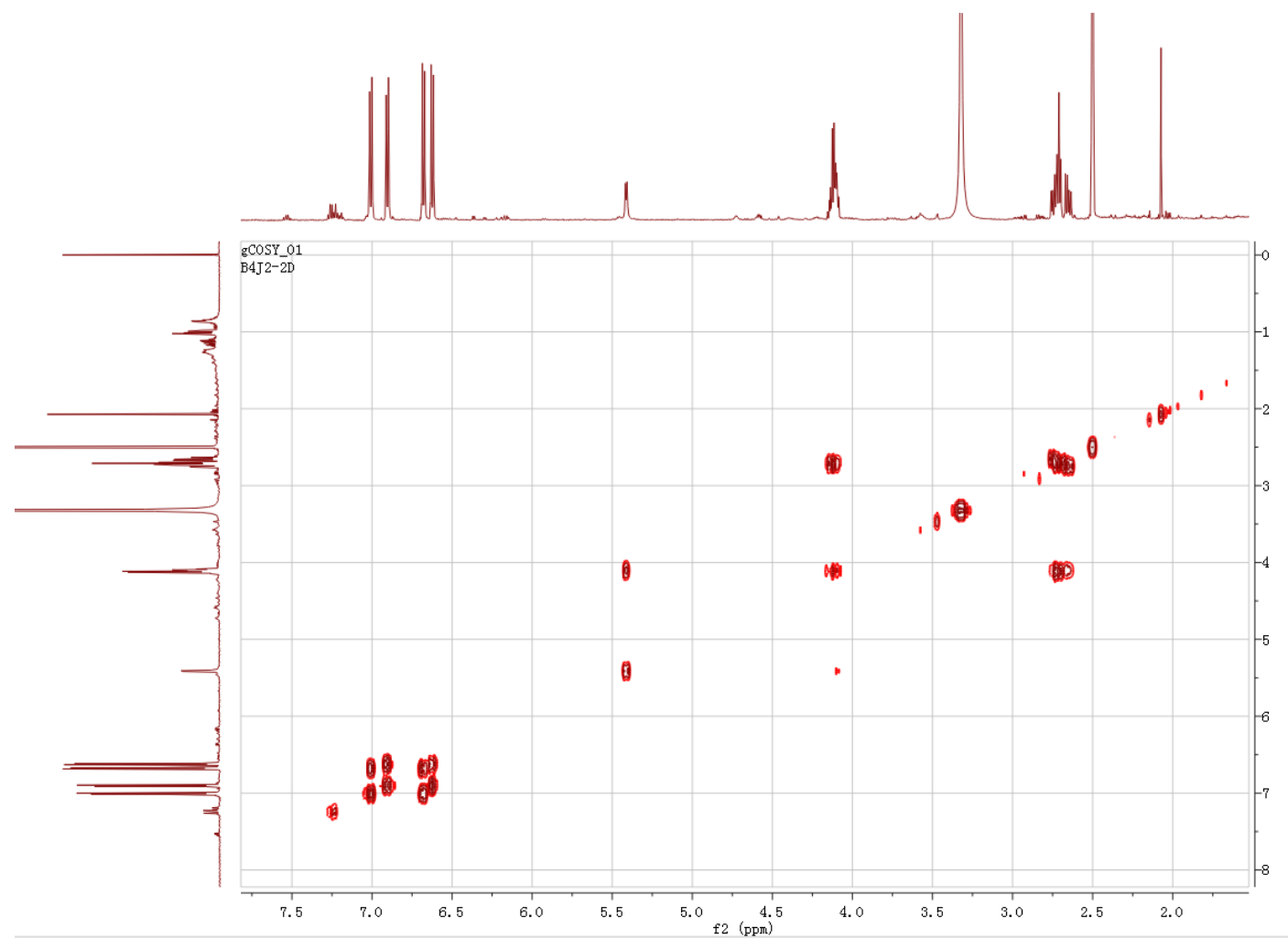


Figure S8. HSQC (600 MHz, DMSO- $d_6$ ) of **1**

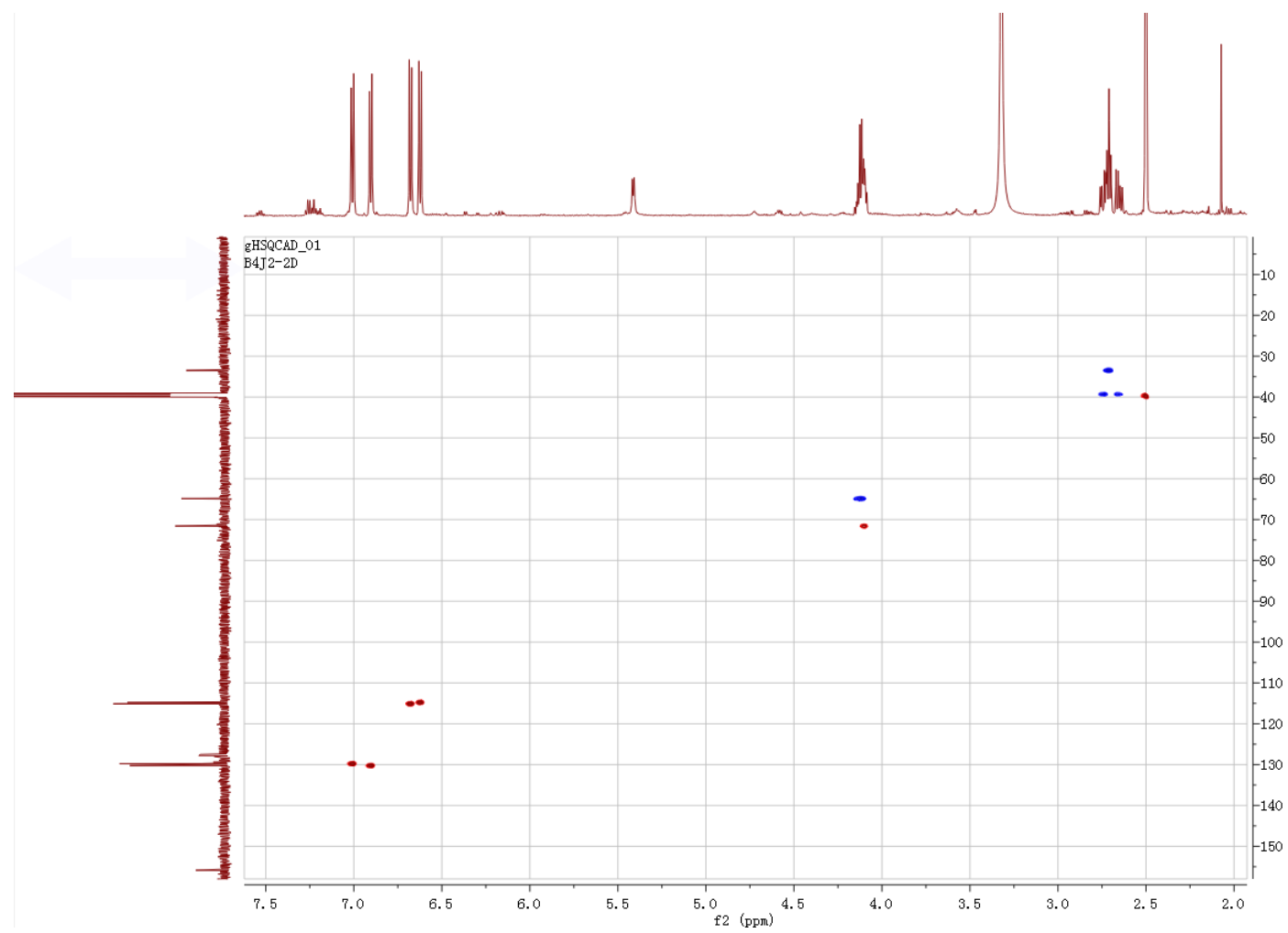


Figure S9. HMBC (600 MHz, DMSO- $d_6$ ) of **1**

