

# Supplementary Materials: Pretrichodermamides D–F from a Marine Algicolous Fungus *Penicillium* sp. KMM 4672

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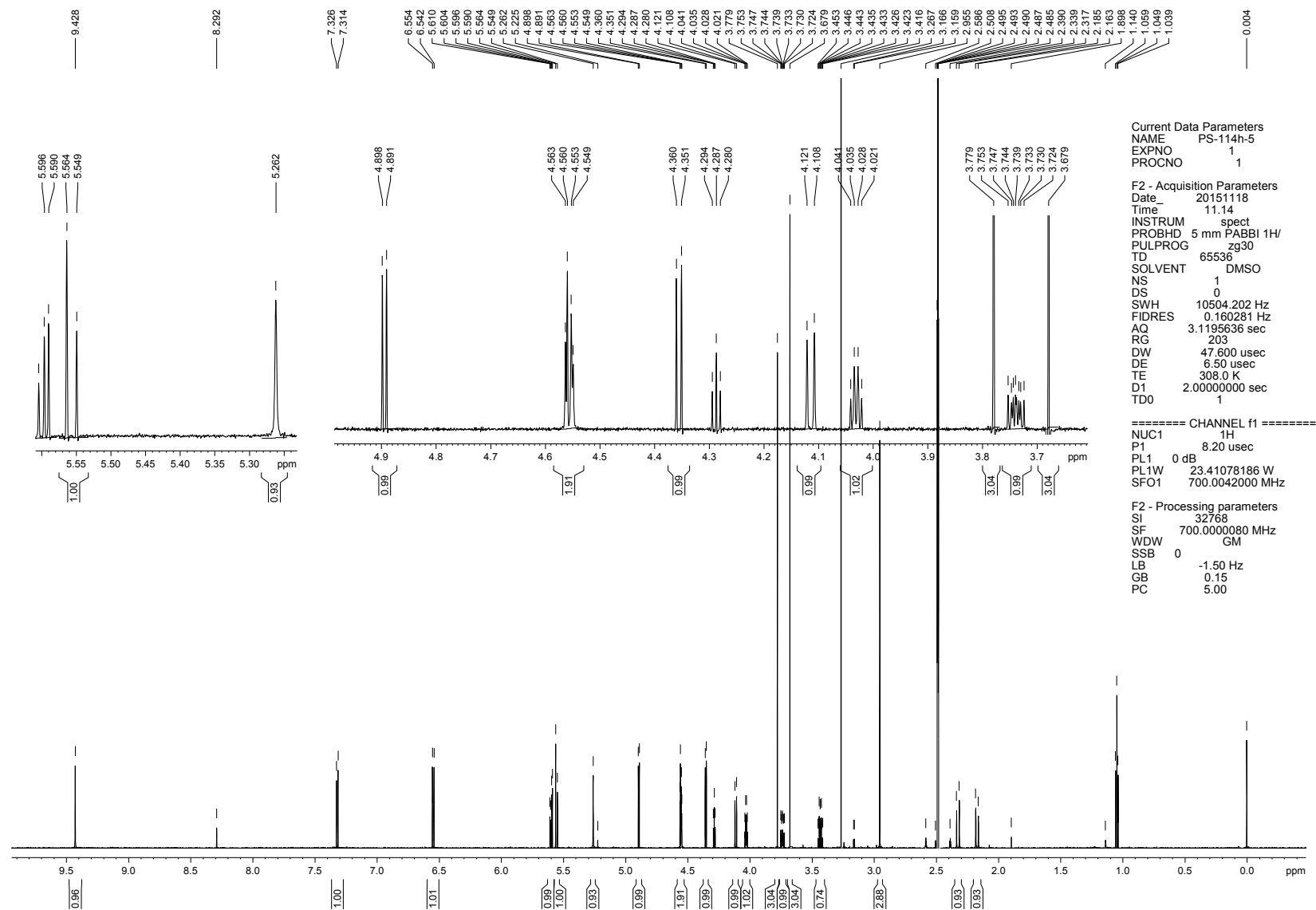


Figure S1.  $^1\text{H}$  NMR (700 MHz,  $\text{DMSO-d}_6$ ) spectrum of pretrichoderamide D (1).

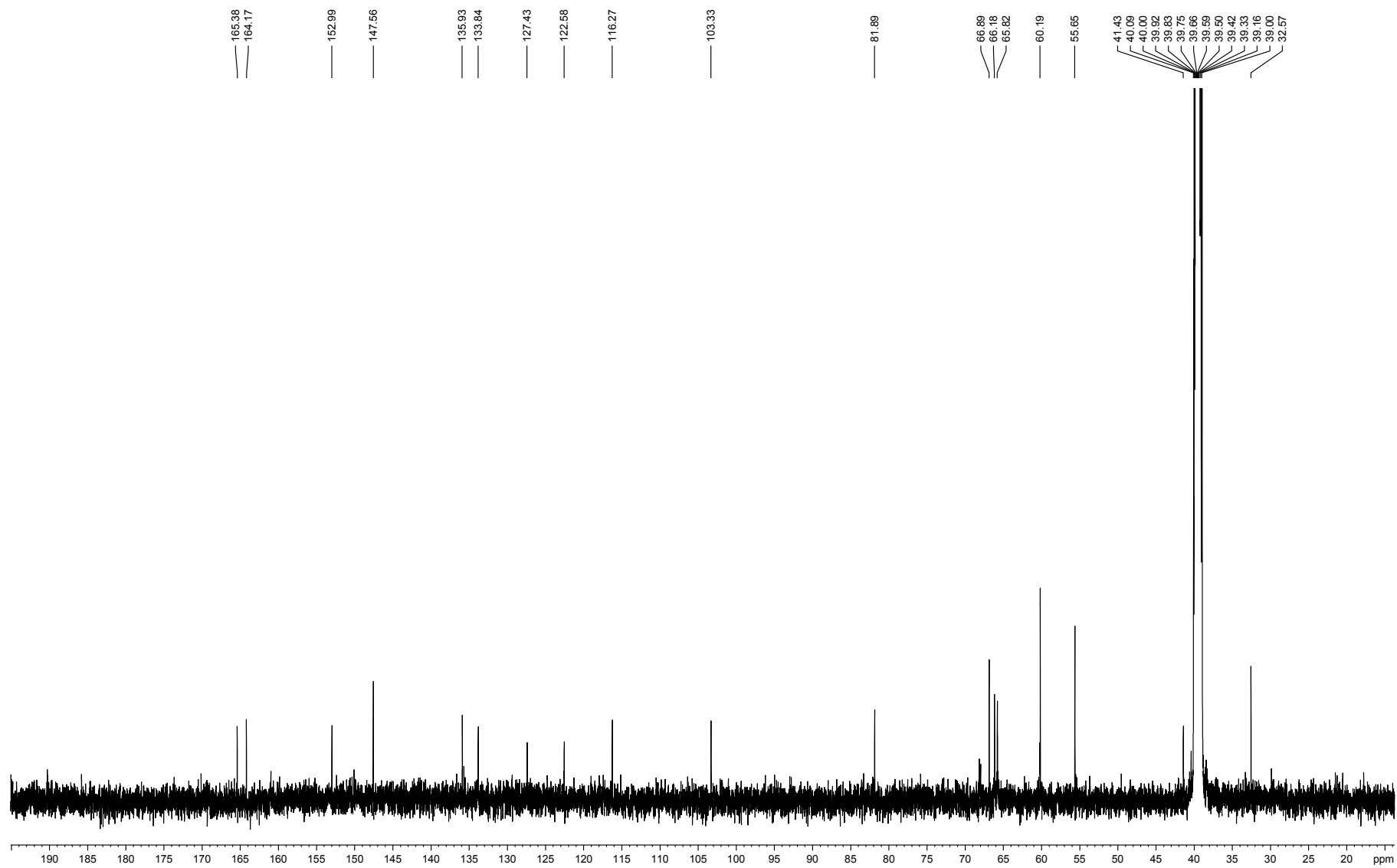


Figure S2. <sup>13</sup>C NMR (125 MHz, DMSO-d<sub>6</sub>) spectrum of pretrichoderamide D (1).

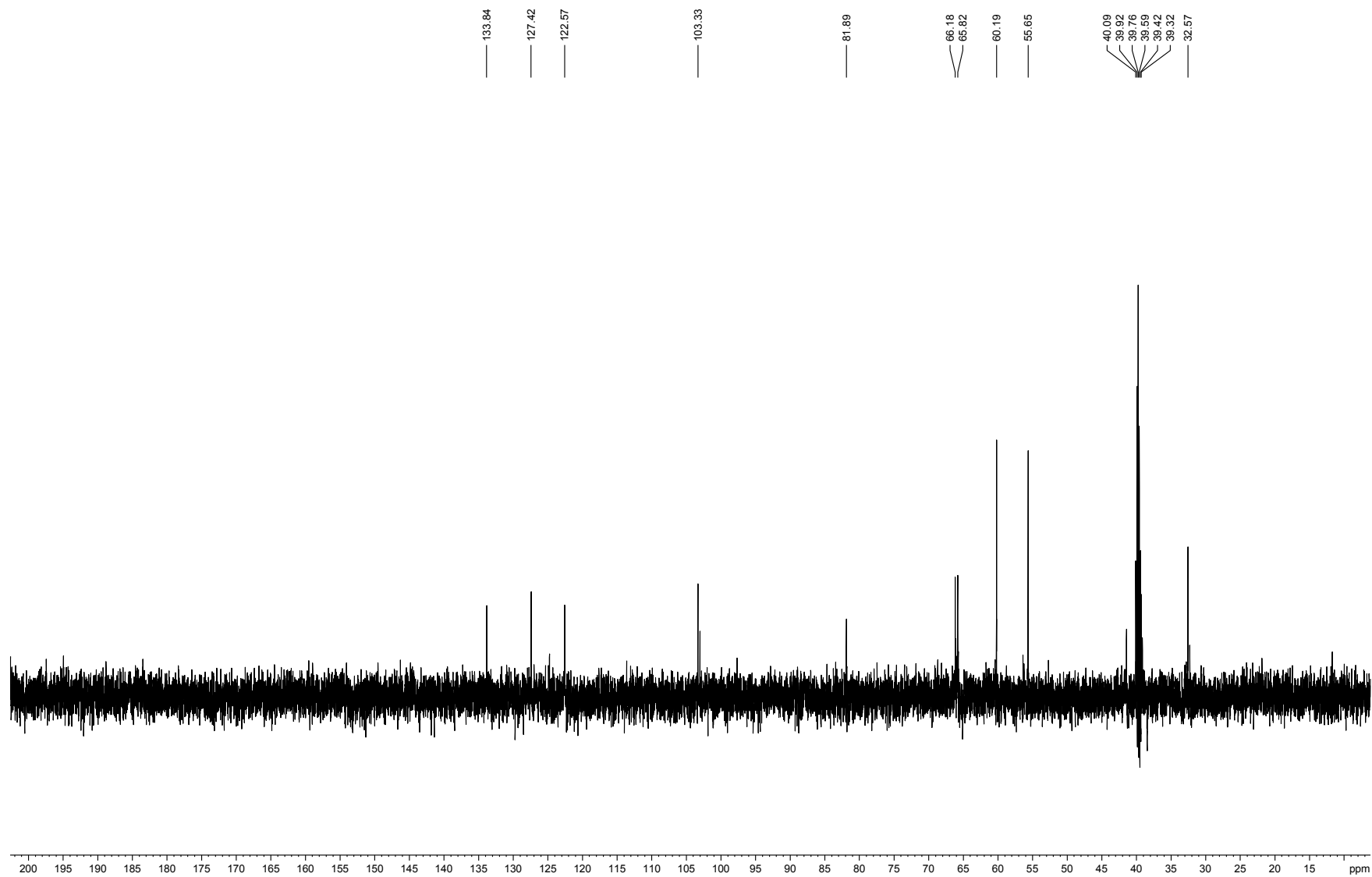


Figure S3. DEPT-135 (125 MHz, DMSO-d<sub>6</sub>) spectrum of pretrichodermamide D (1).

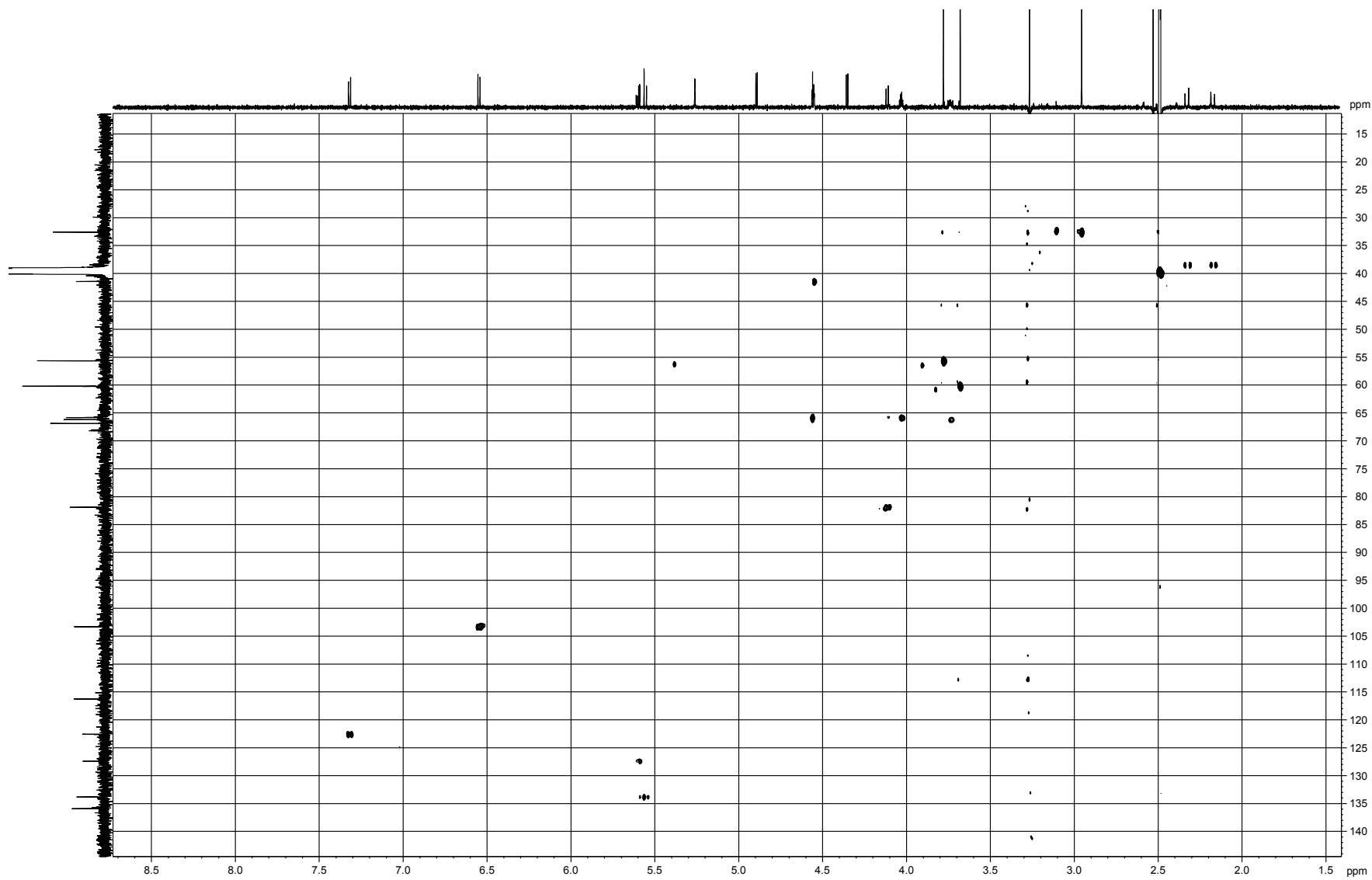
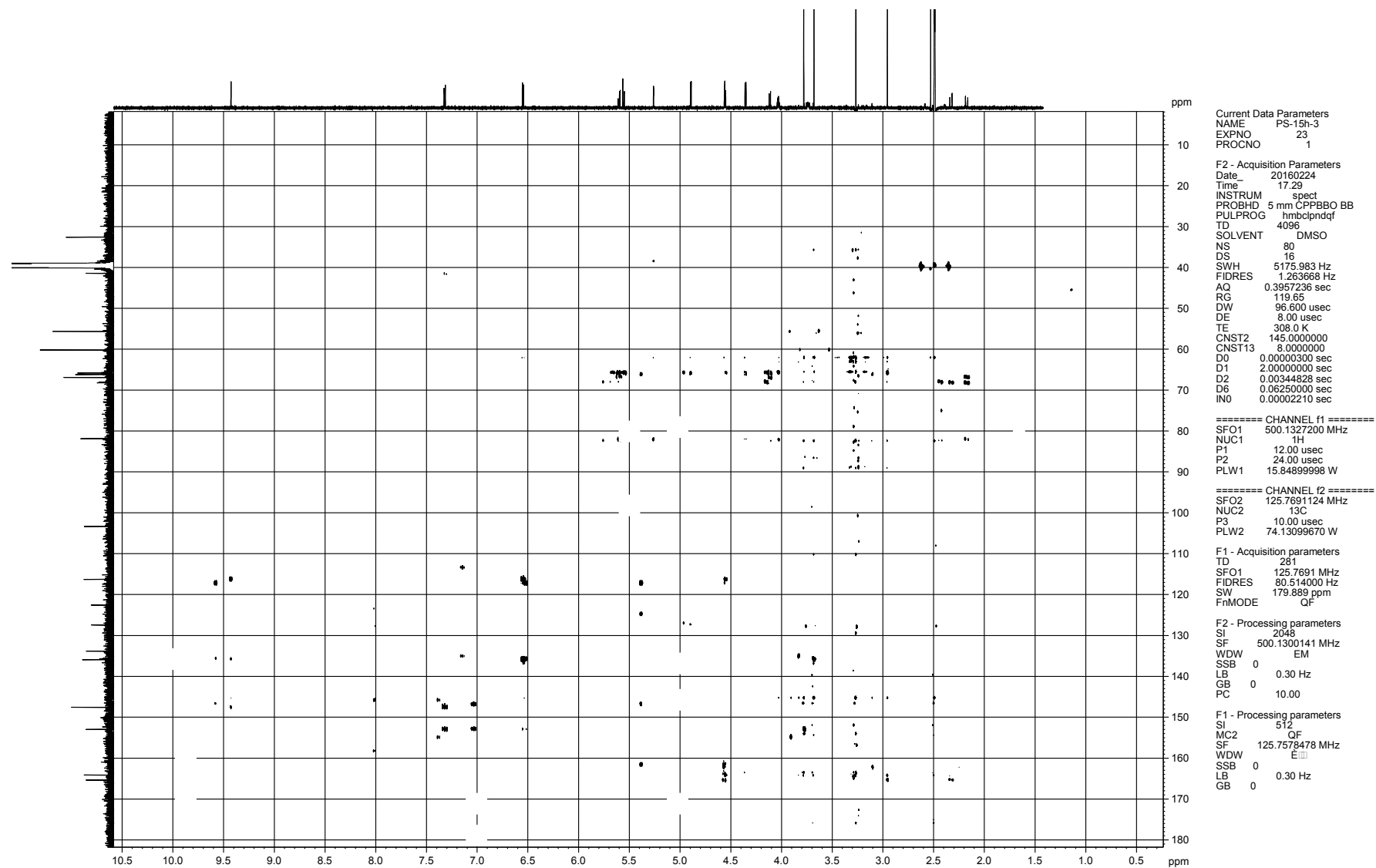


Figure S4. HSQC (500/125 MHz, DMSO-d<sub>6</sub>) spectrum of pretrichoderamide D (1).

Figure S5. HMBC (500 MHz, DMSO-d<sub>6</sub>) spectrum of pretrichodermamide D (1).

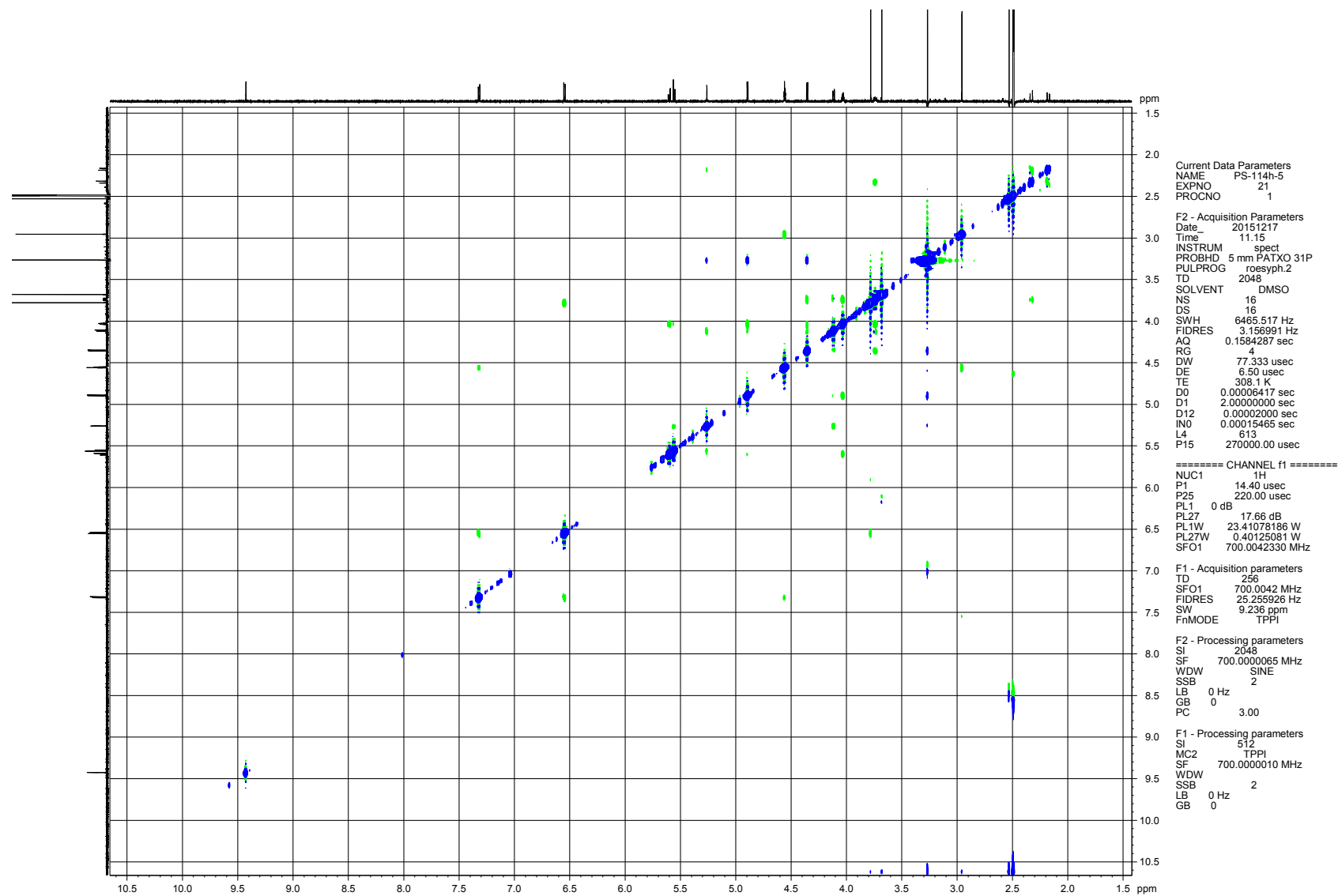


Figure S6. ROESY (700 MHz, DMSO-d<sub>6</sub>) spectrum of pretrichodermamide D (1).

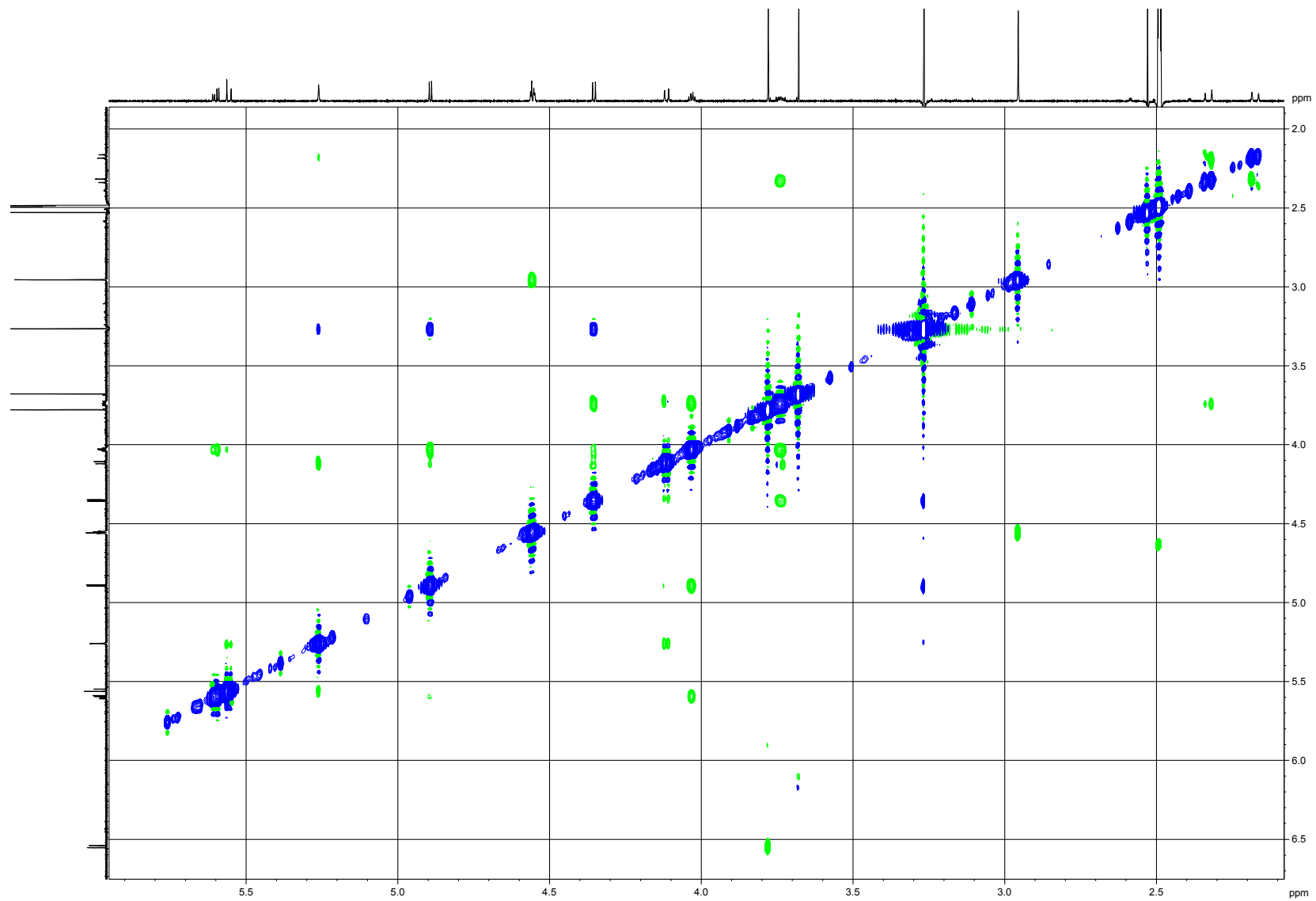


Figure S6 (continuation). ROESY (700 MHz, DMSO-d<sub>6</sub>) spectrum of pretrichodermamide D (1).





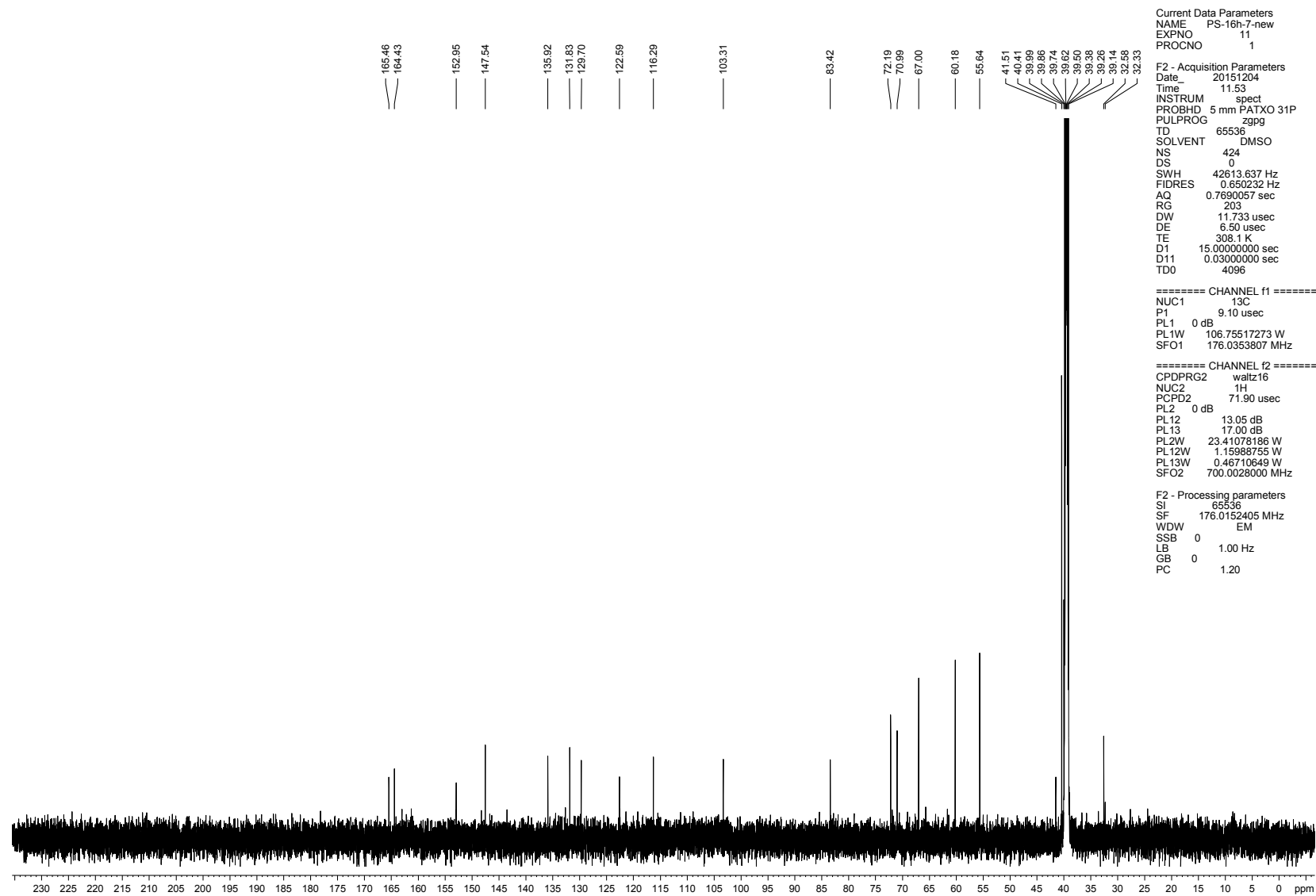


Figure S8.  $^{13}\text{C}$  NMR (176 MHz,  $\text{DMSO-d}_6$ ) spectrum of pretrichodermamide E (2).

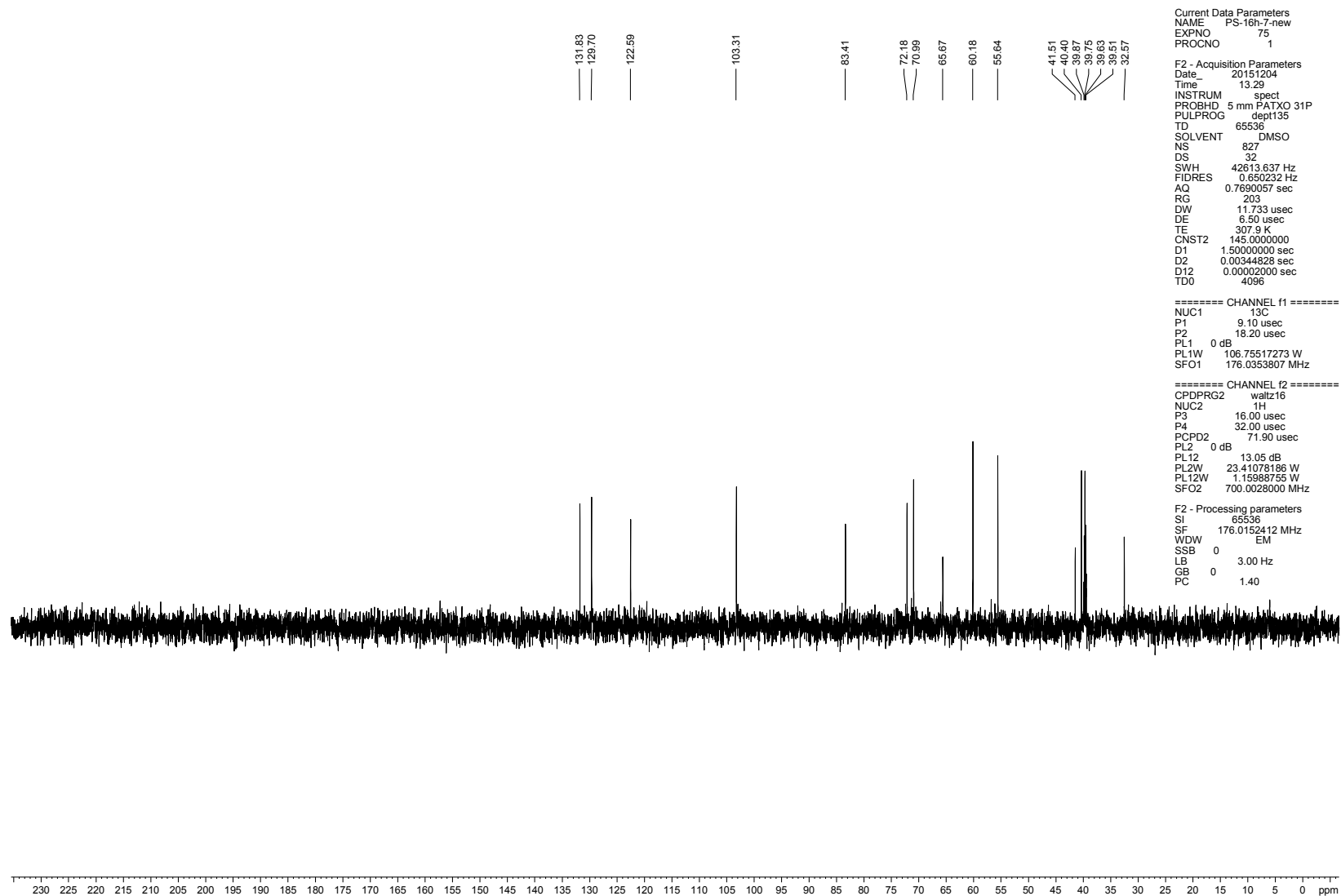
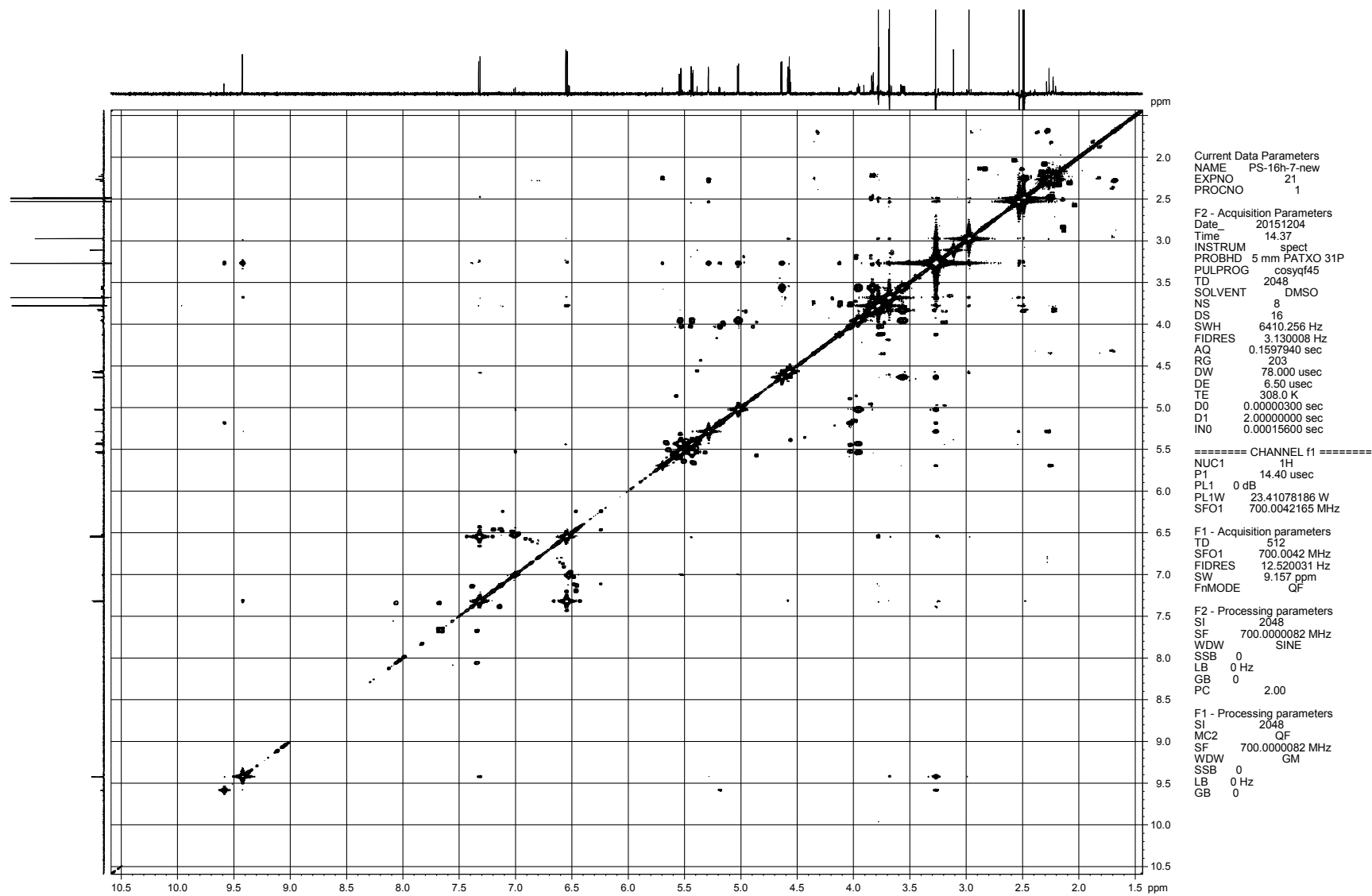
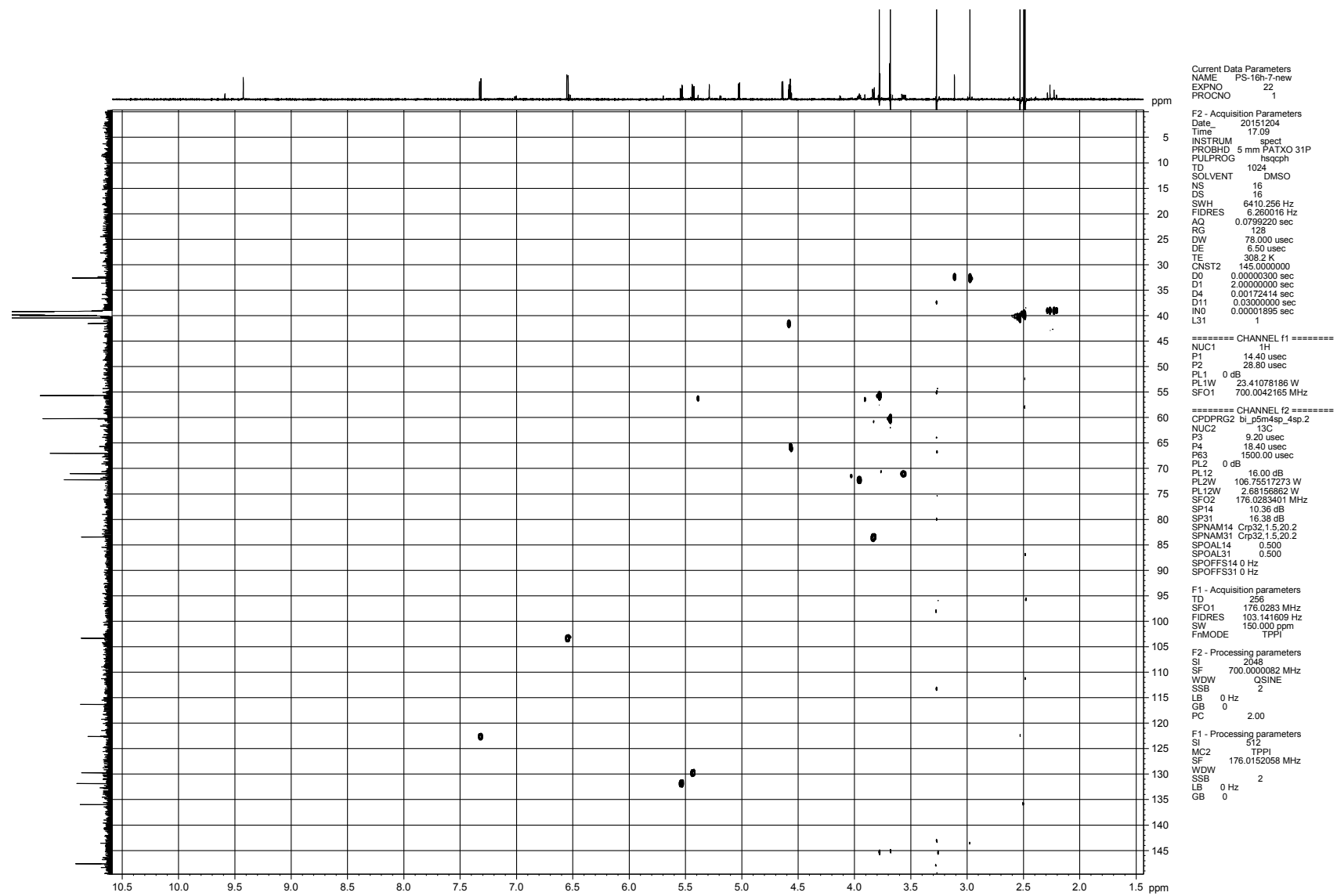
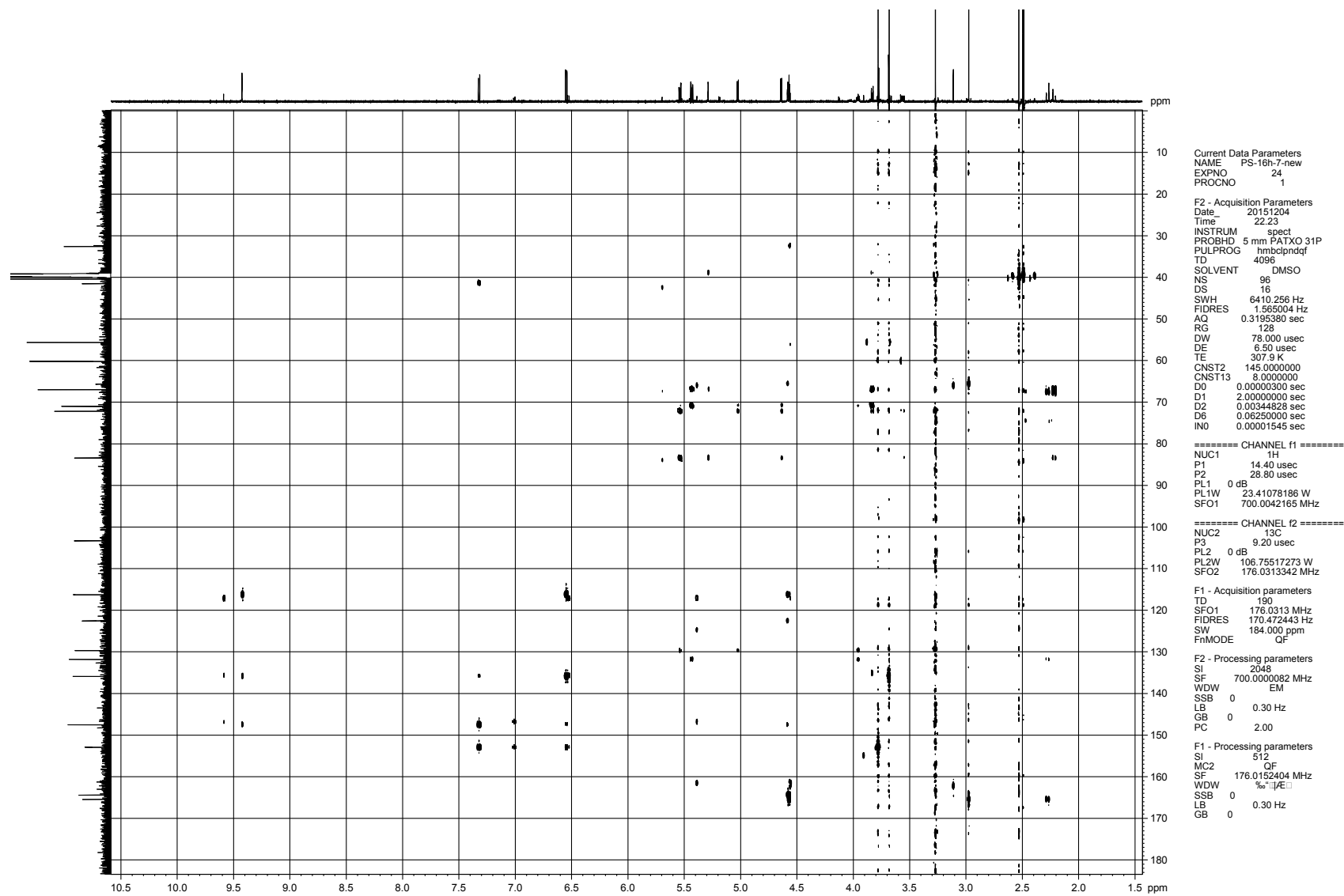


Figure S9. DEPT-135 (176 MHz, DMSO-d<sub>6</sub>) spectrum of pretrichodermamide E (2).

Figure S10.  $^1\text{H}$ - $^1\text{H}$  COSY (700 MHz, DMSO- $d_6$ ) spectrum of pretrichodermamide E (2).

Figure S11. HSQC (700 MHz, DMSO-d<sub>6</sub>) spectrum of pretrichodermamide E (2).

Figure S12. HMBC (700 MHz, DMSO-d<sub>6</sub>) spectrum of pretrichodermamide E (2).

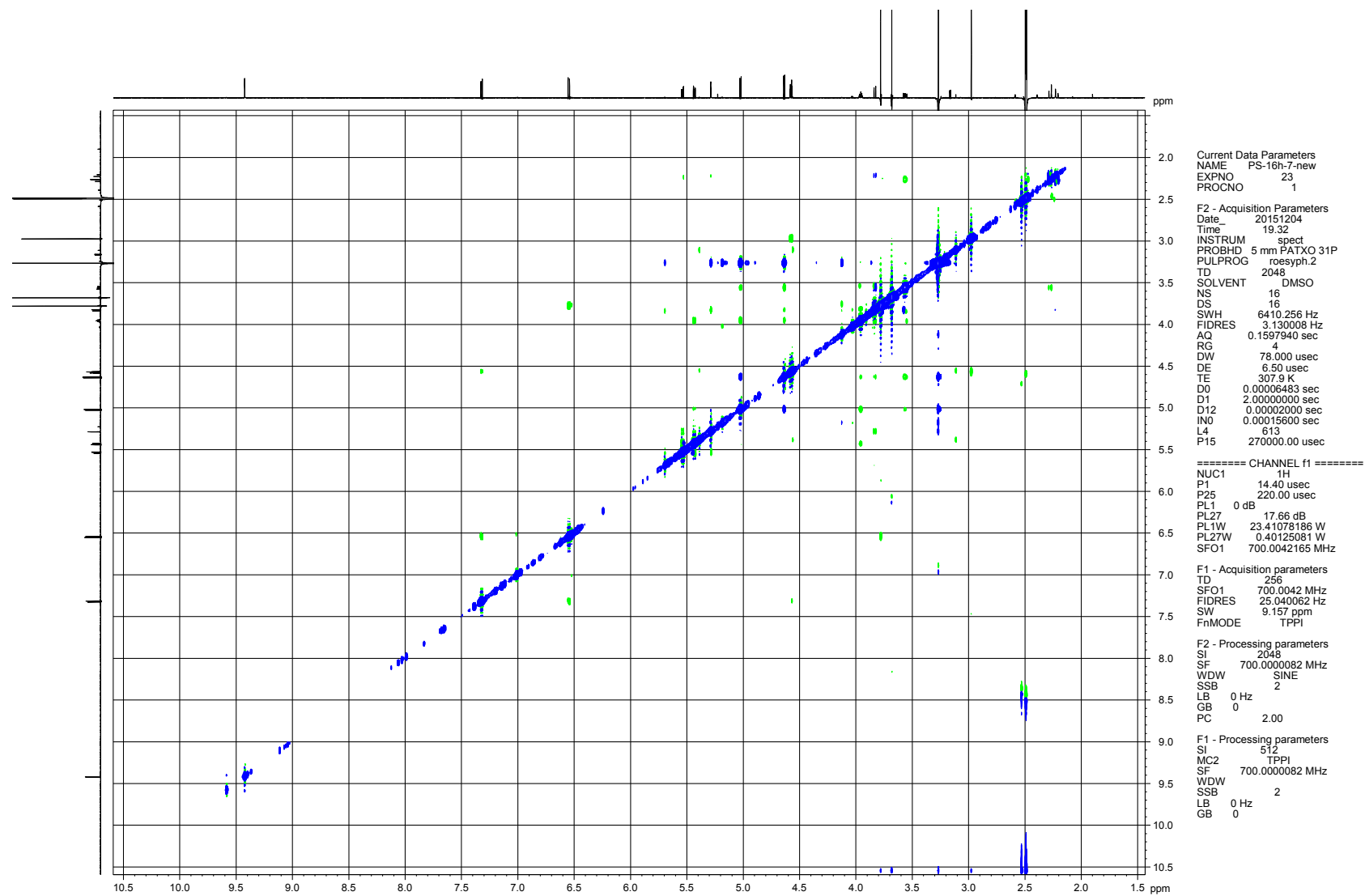


Figure S13. ROESY (700 MHz, DMSO-d<sub>6</sub>) spectrum of pretrichodermamide E (2).

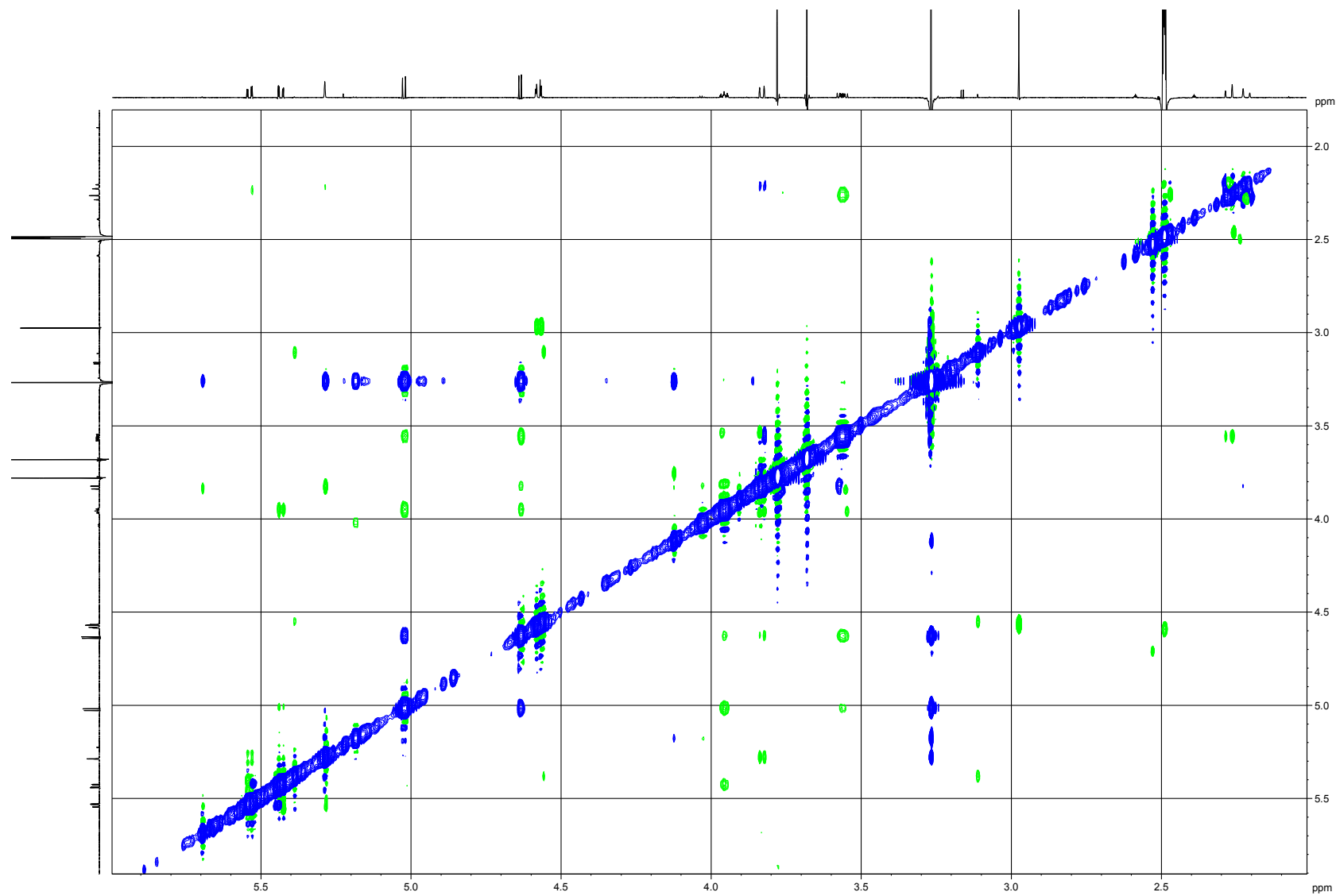


Figure S13 (continuation). ROESY (700 MHz, DMSO-d<sub>6</sub>) spectrum of pretrichodermamide E (2).



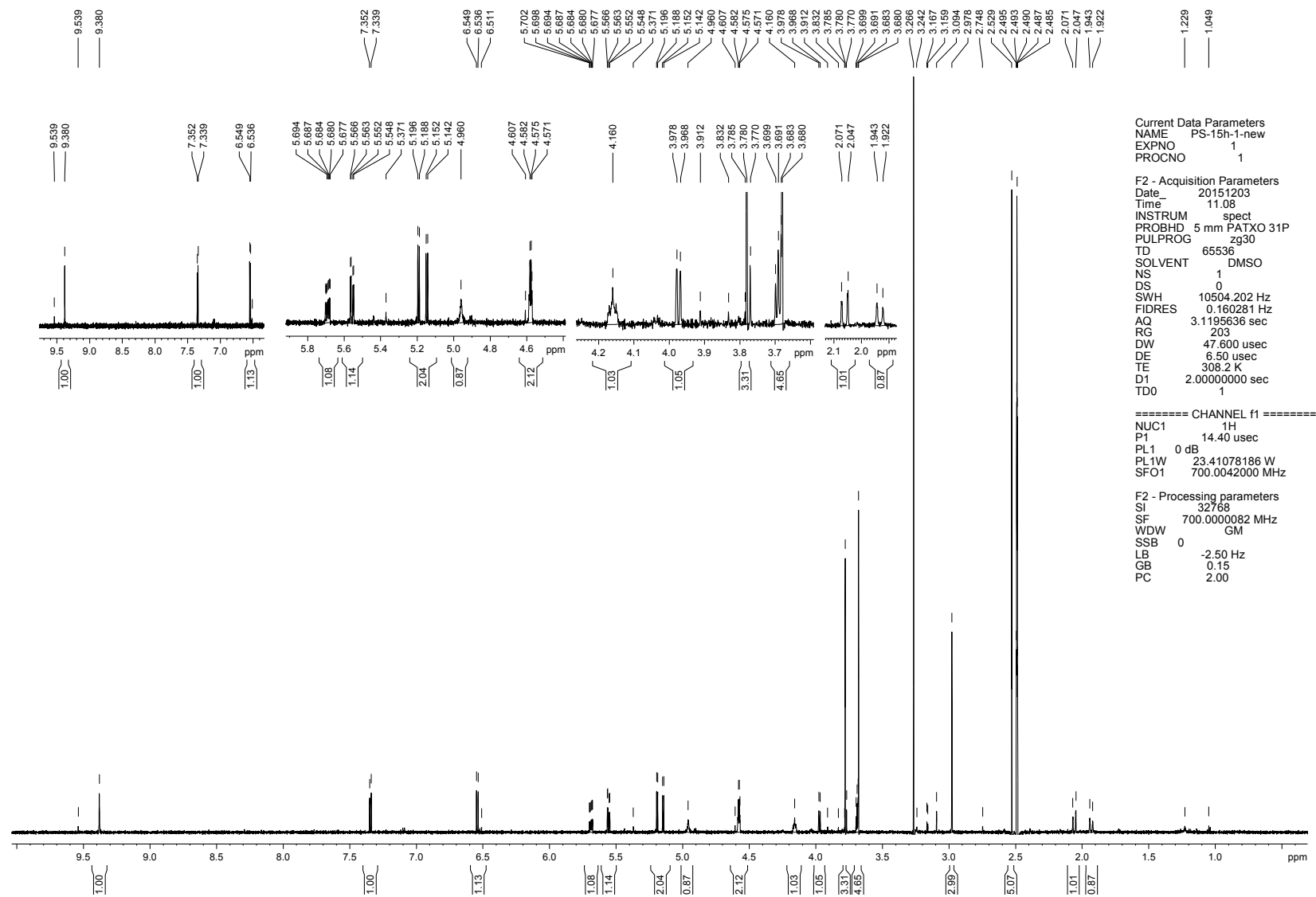


Figure S14.  $^1\text{H}$  NMR (700 MHz,  $\text{DMSO-d}_6$ ) spectrum of pretrichodermamide F (3).

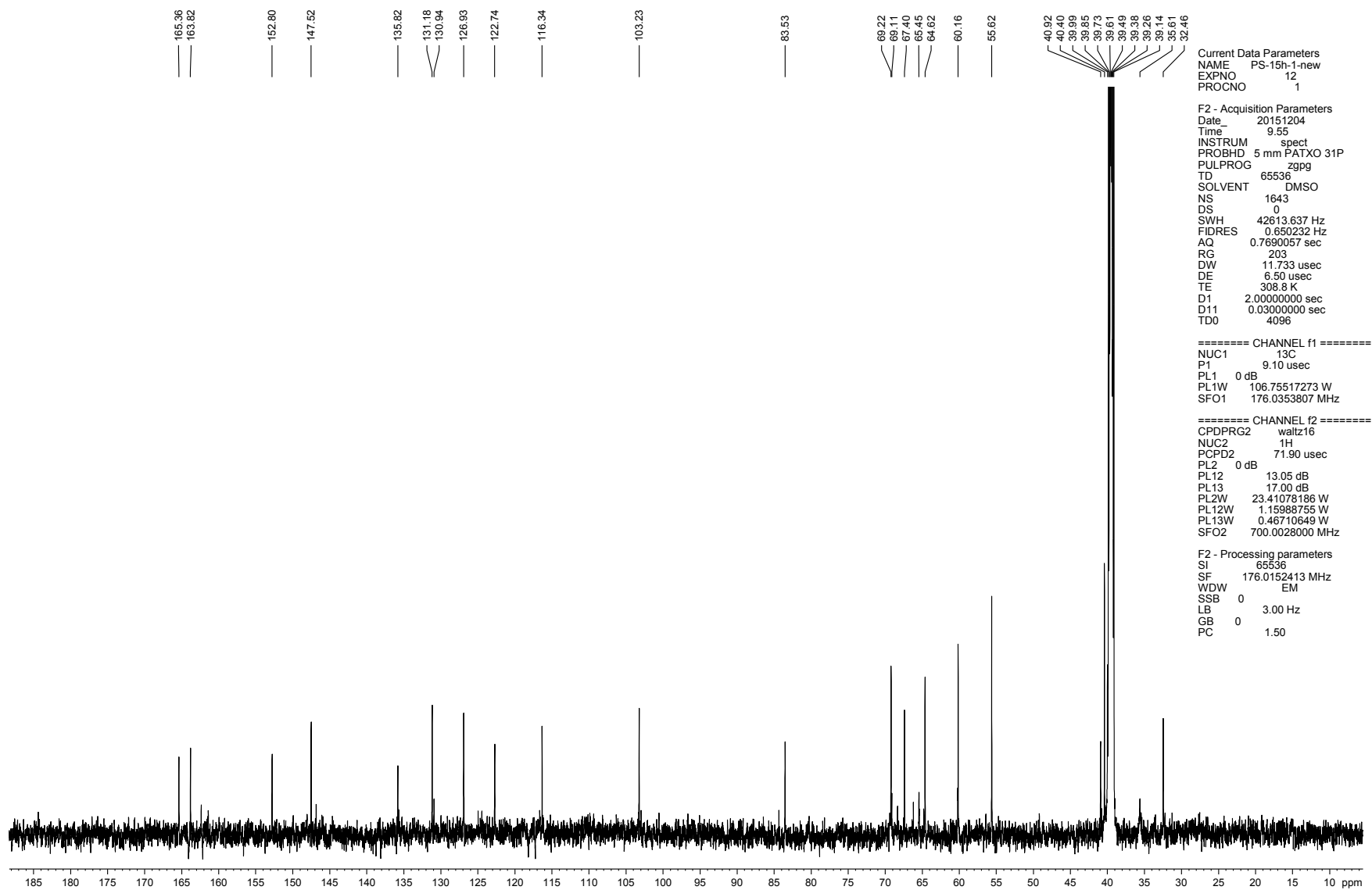


Figure S15.  $^{13}\text{C}$  NMR (176 MHz,  $\text{DMSO-d}_6$ ) spectrum of pretrichodermamide F (3).

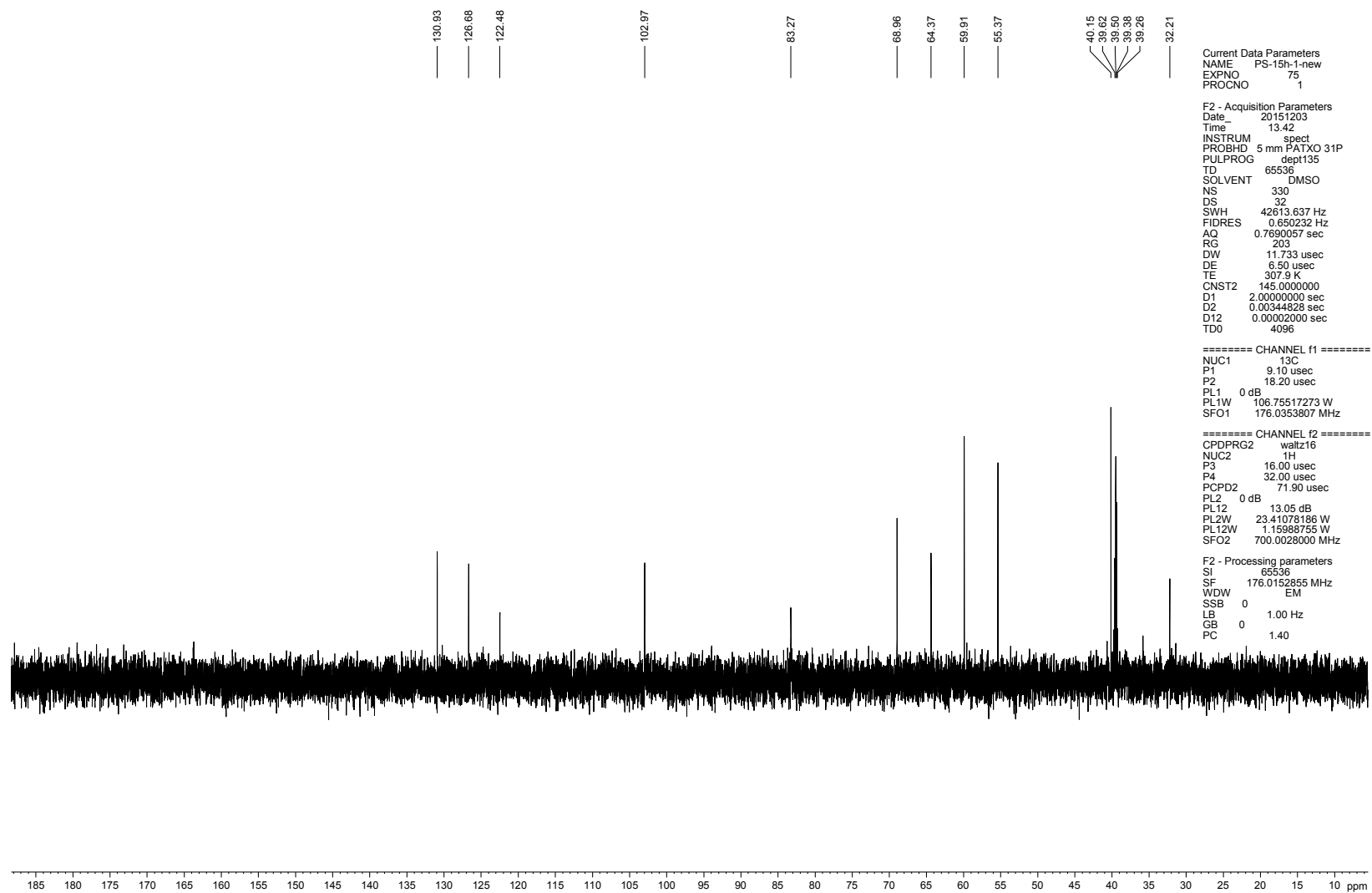


Figure S16. DEPT-135 (176 MHz, DMSO-d<sub>6</sub>) spectrum of pretrichodermamide F (3).

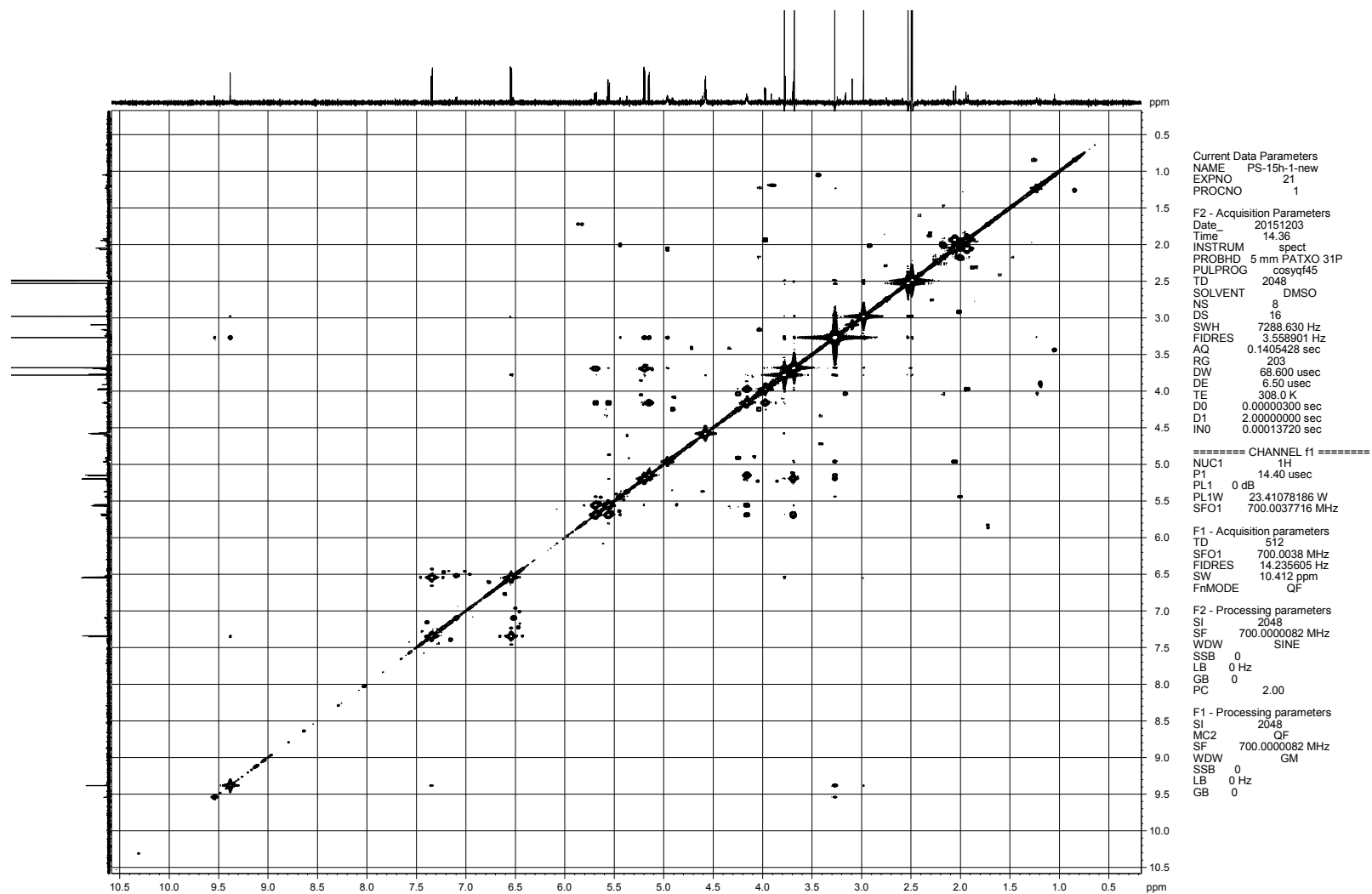
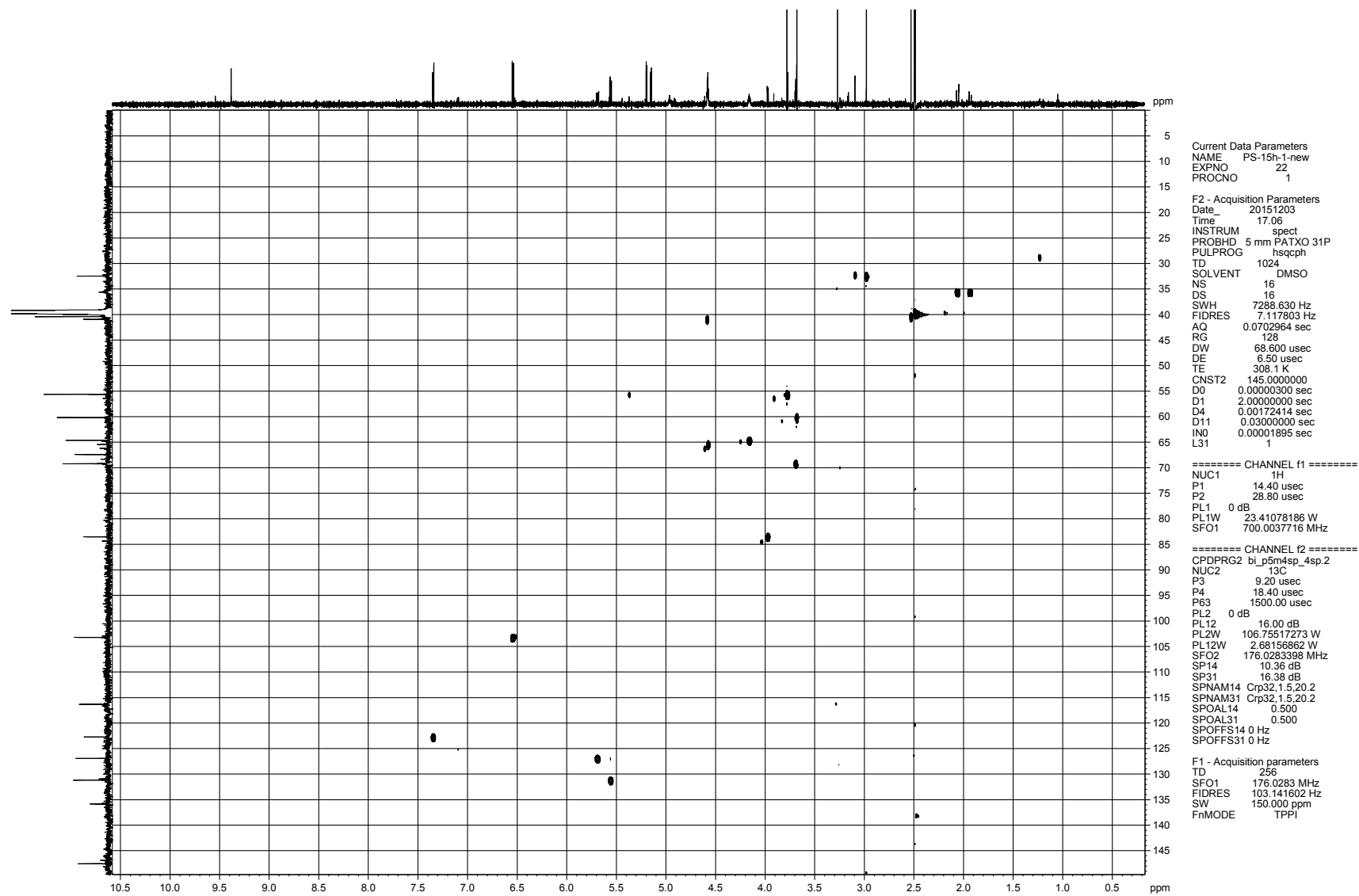
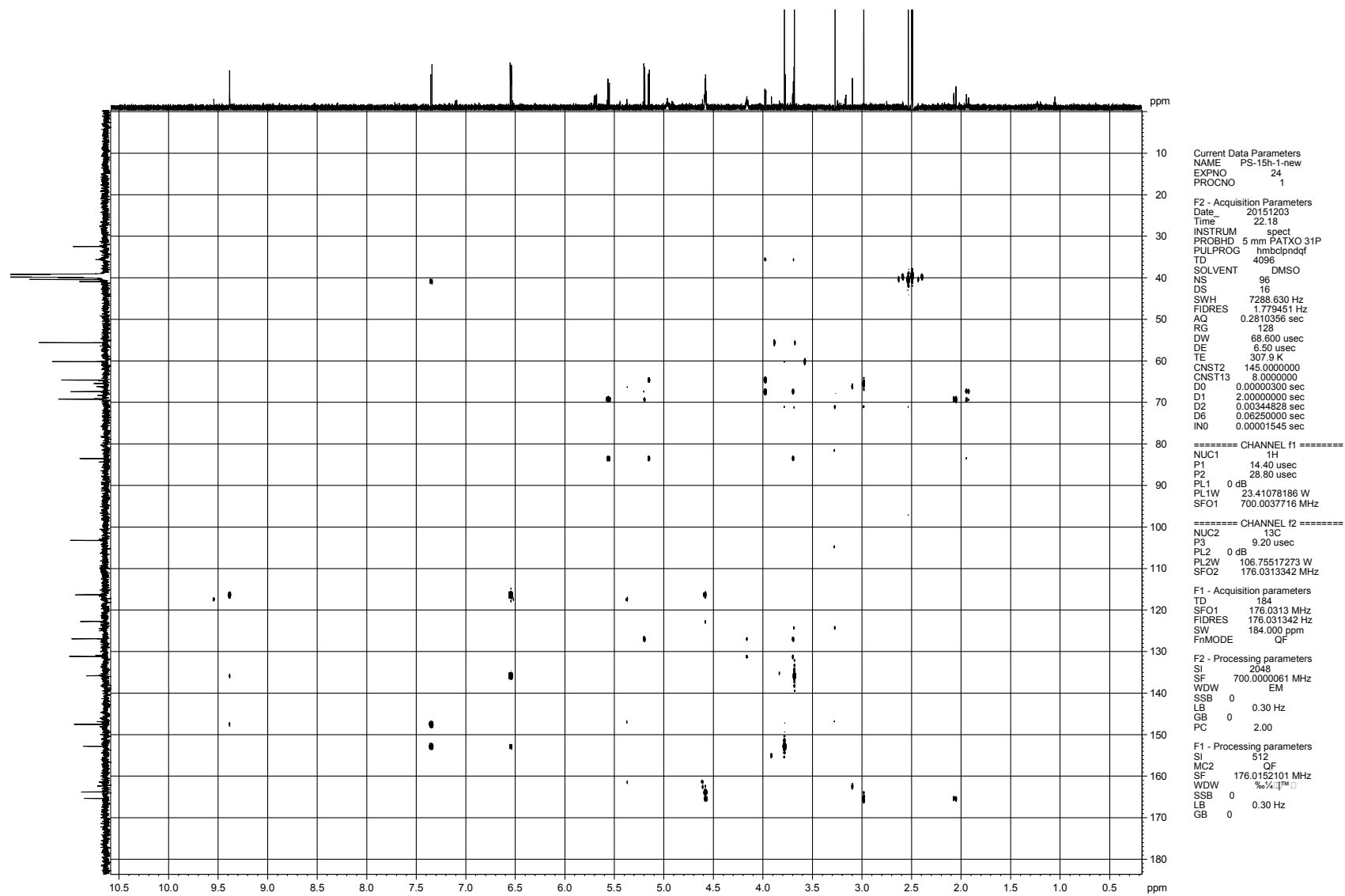


Figure S17.  $^1\text{H}$ - $^1\text{H}$  COSY (700 MHz, DMSO- $d_6$ ) spectrum of pretrichodermamide F (3).

Figure S18. HSQC (700 MHz, DMSO-d<sub>6</sub>) spectrum of pretrichodermamide F (3).

Figure S19. HMBC (500 MHz, DMSO-d<sub>6</sub>) spectrum of pretrichodermamide F (3).

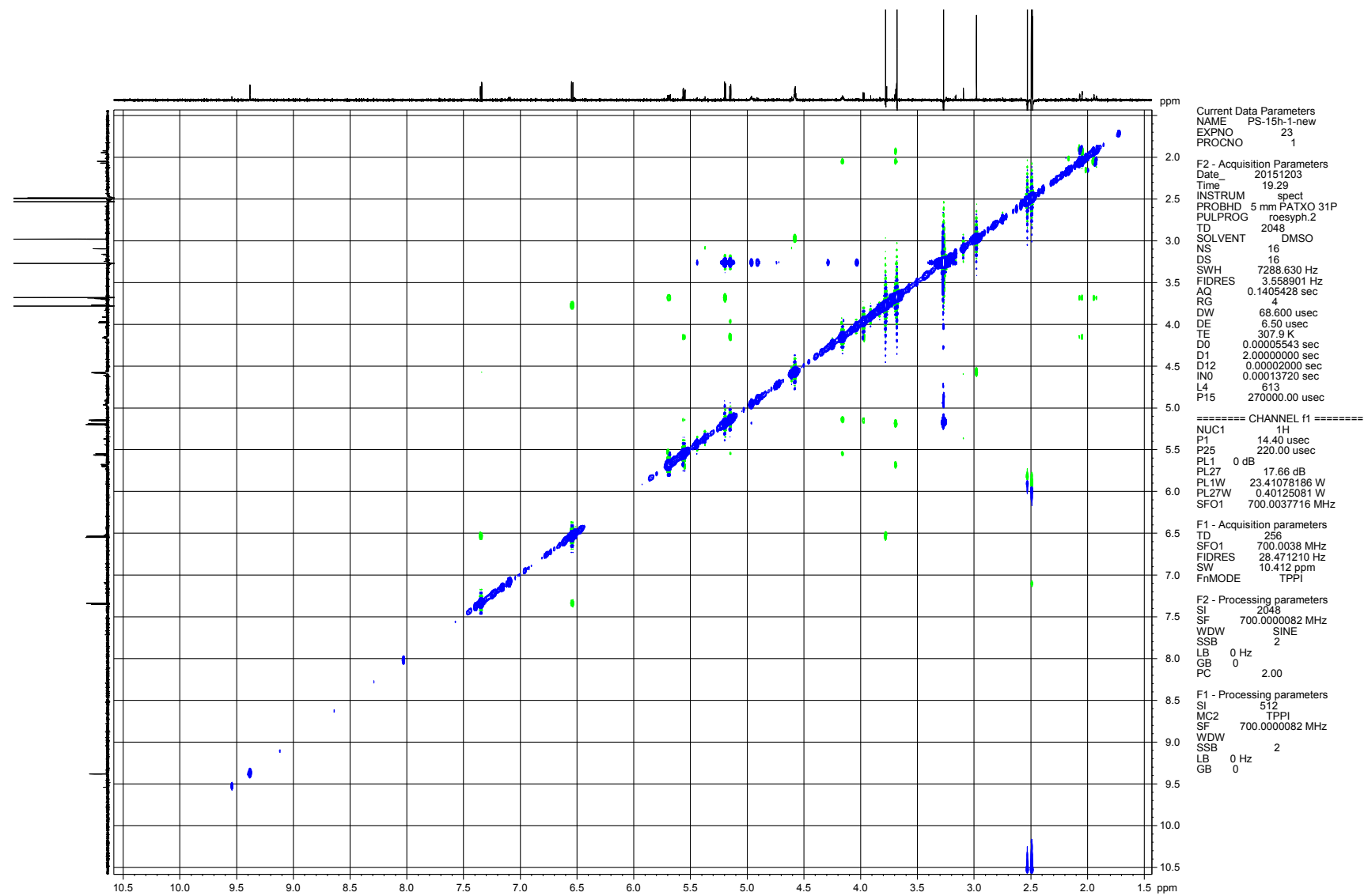


Figure S20. ROESY (700 MHz, DMSO-d<sub>6</sub>) spectrum of pretrichodermamide F (3).

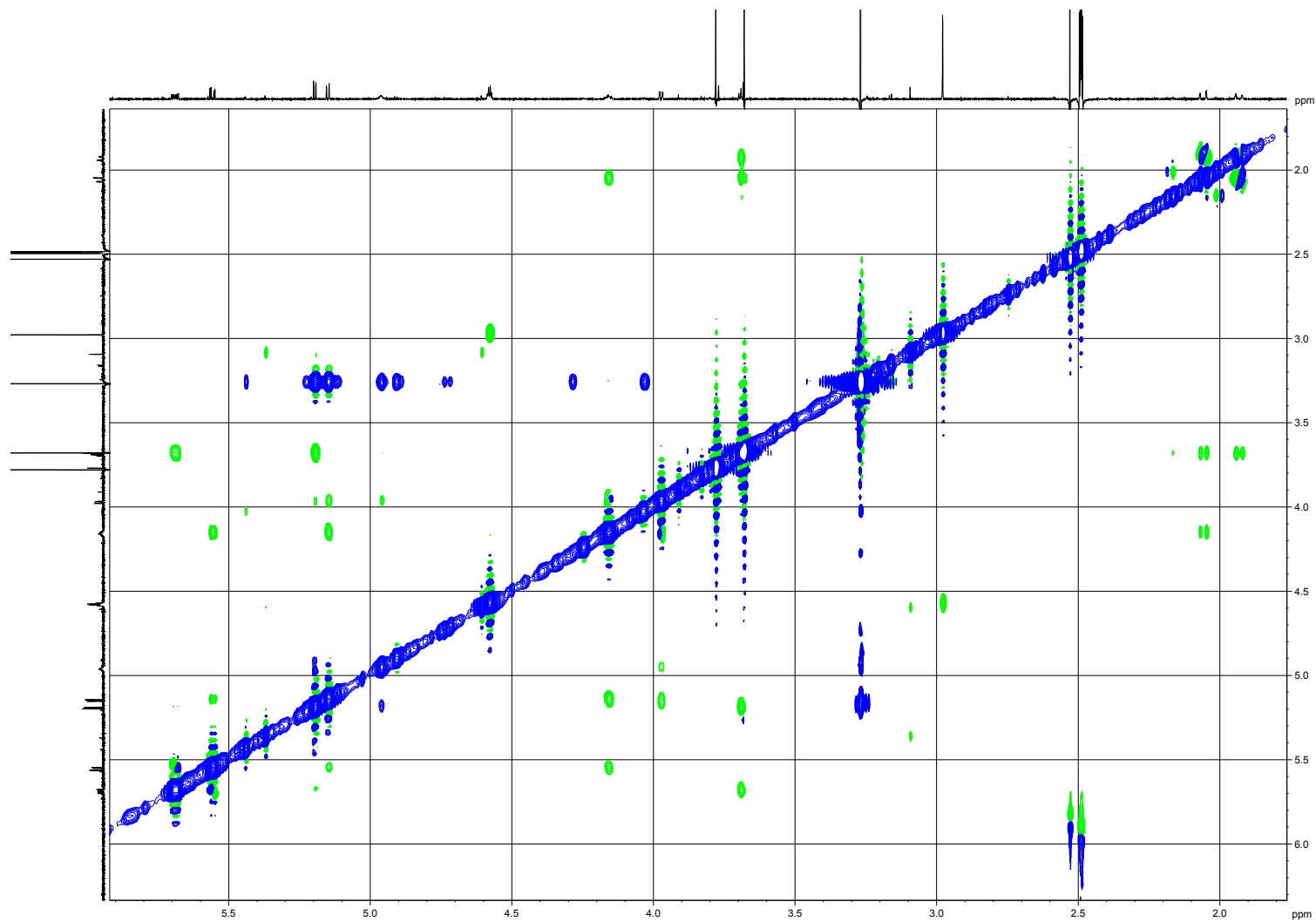


Figure S20 (continuation). ROESY (700 MHz, DMSO-d<sub>6</sub>) spectrum of pretrichodermamide F (3).



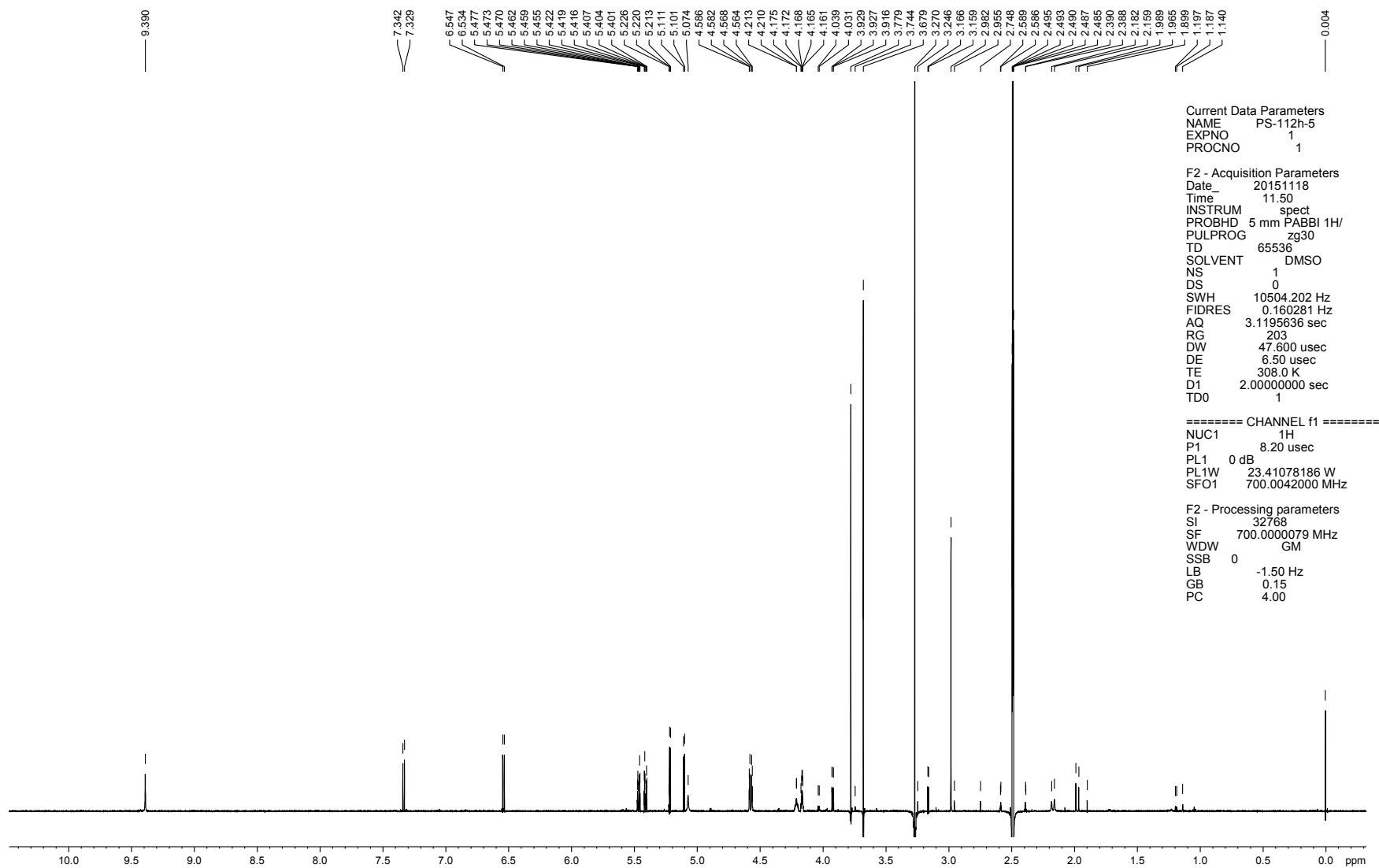


Figure S21.  $^1\text{H}$  NMR (700 MHz,  $\text{DMSO-d}_6$ ) spectrum of pretrichodermamide C (4).

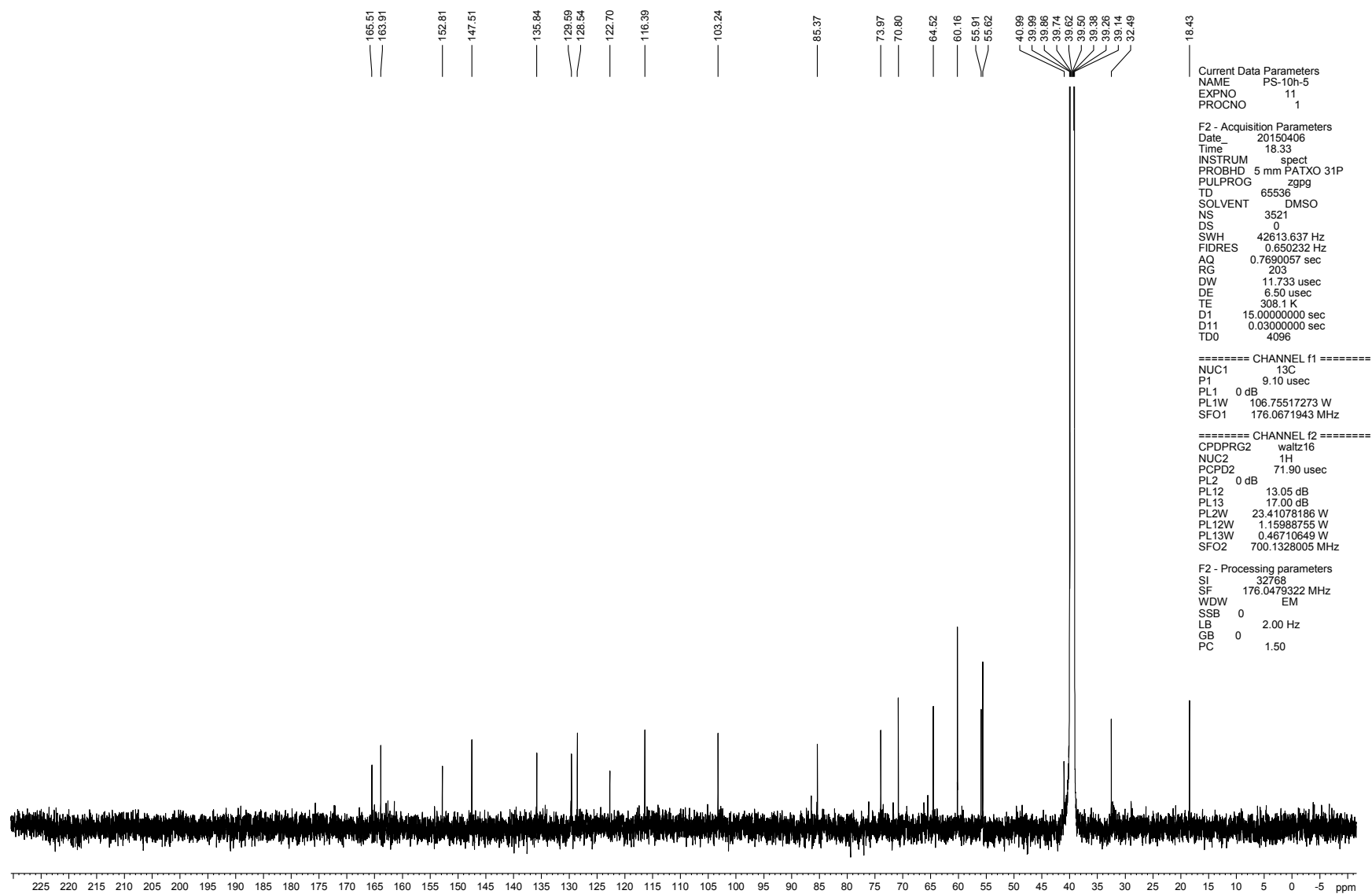


Figure S22.  $^{13}\text{C}$  NMR (176 MHz,  $\text{DMSO-d}_6$ ) spectrum of pretrichodermamide C (4).



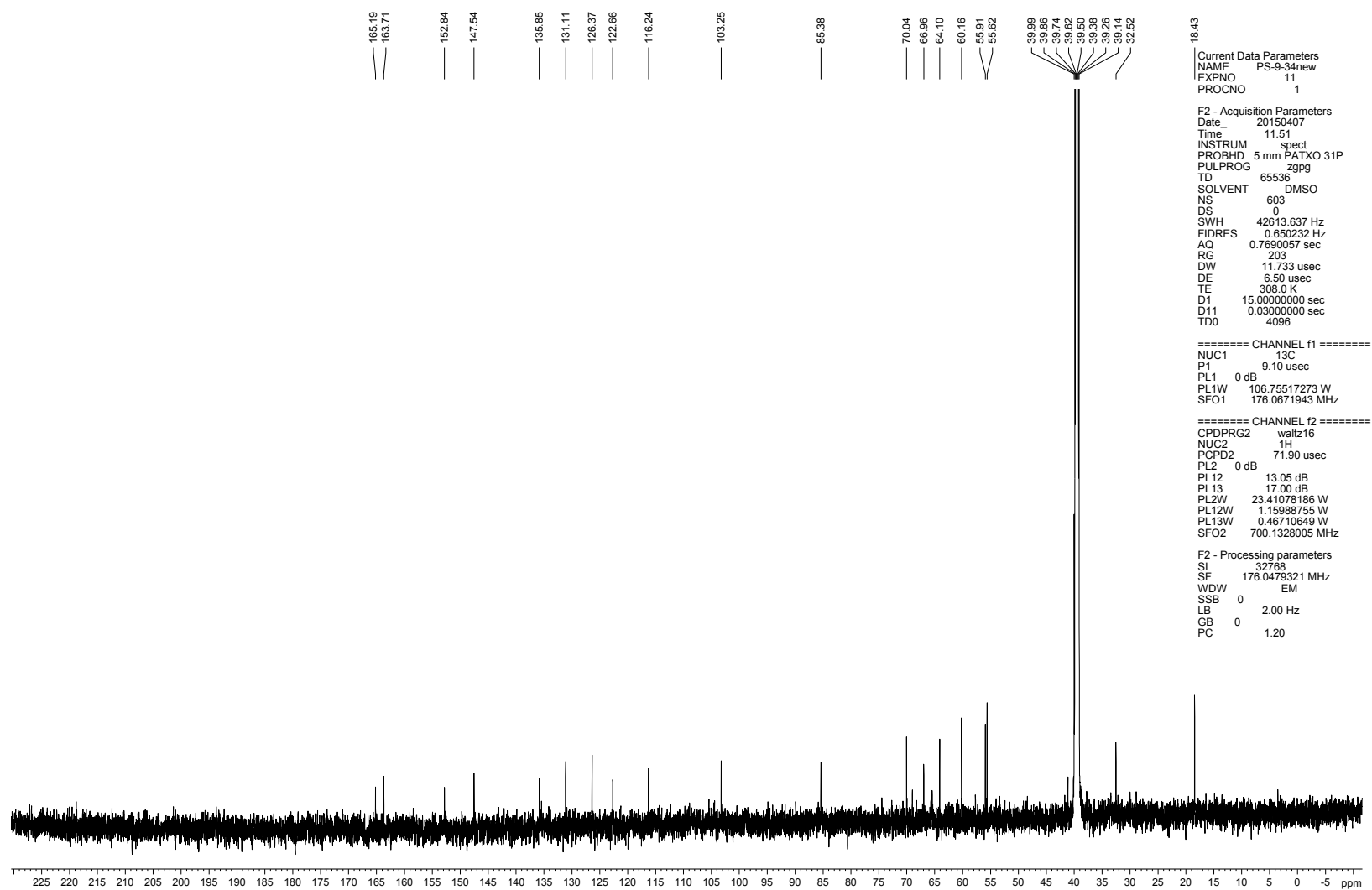
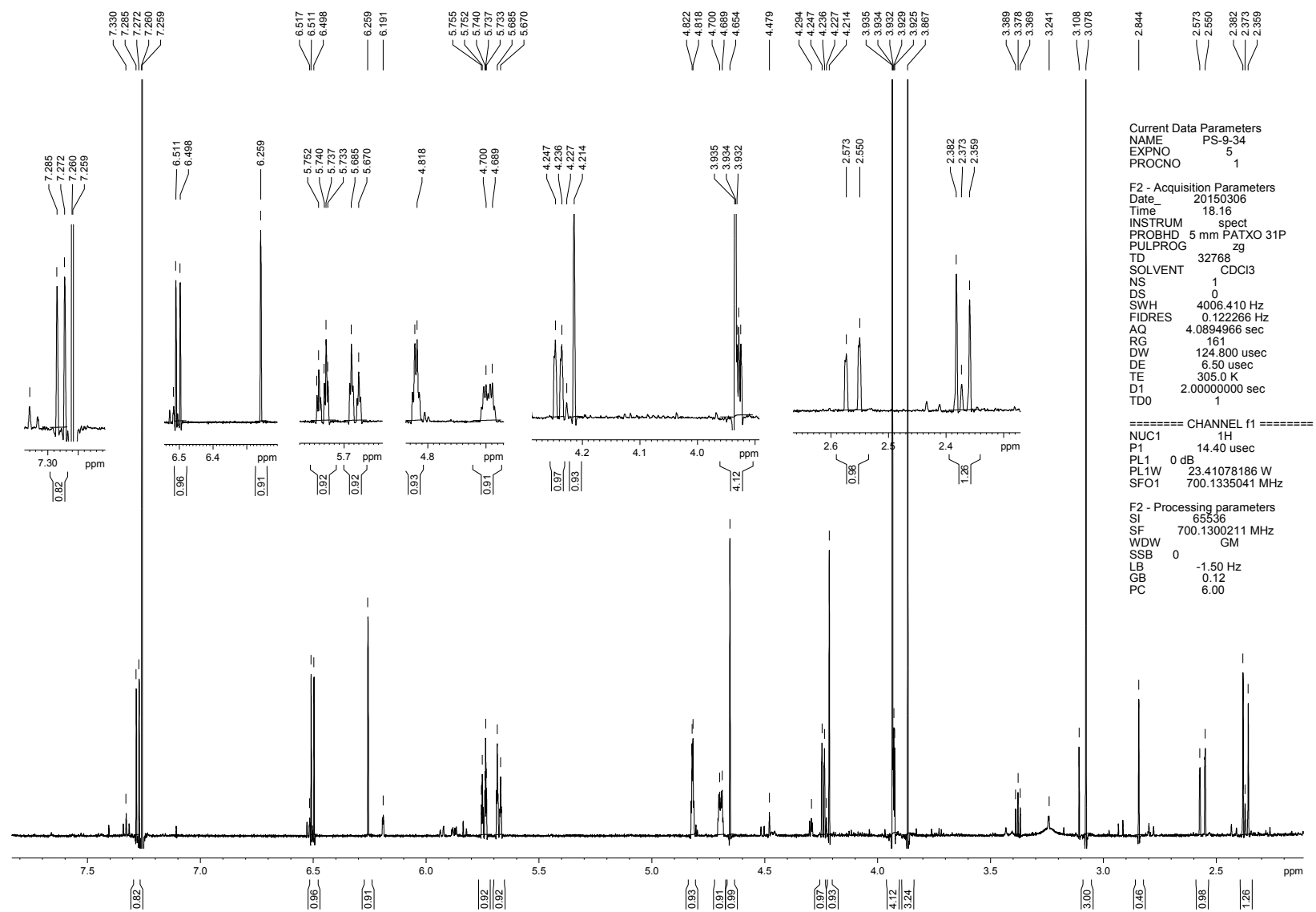


Figure S24.  $^{13}\text{C}$  NMR (176 MHz, DMSO- $d_6$ ) spectrum of *N*-methylpretrichodermamide B (5).

Figure S25. <sup>1</sup>H NMR (700 MHz, CDCl<sub>3</sub>) spectrum of *N*-methylpretrichodermamide B (5).

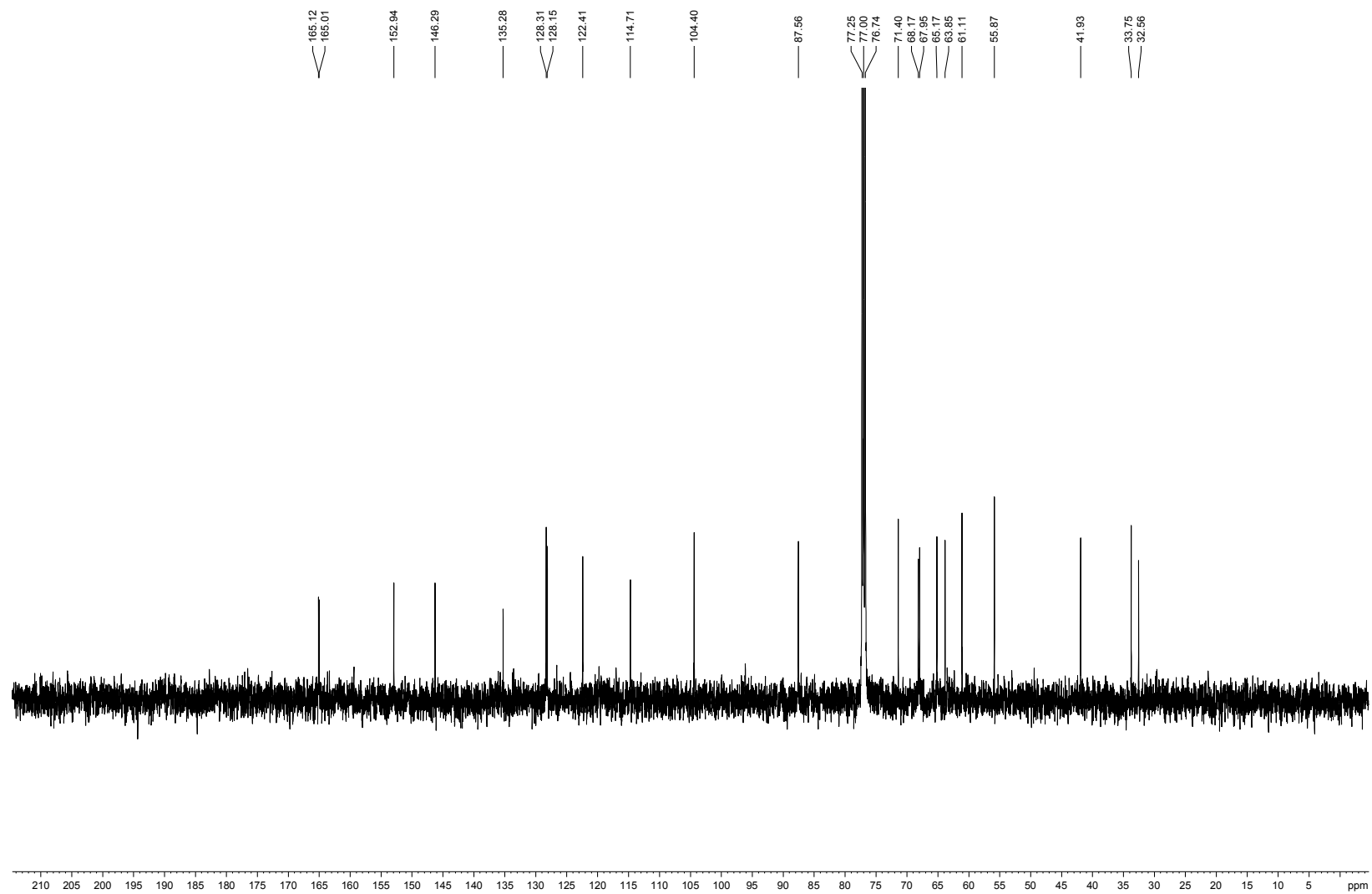


Figure S26. <sup>13</sup>C NMR (125 MHz, CDCl<sub>3</sub>) spectrum of *N*-methylpretrichodermamide B (5).