

## **Supporting Information for**

### **Three new oleanane-type triterpenoidal glycosides from *Impatiens balsamina* and their biological activity**

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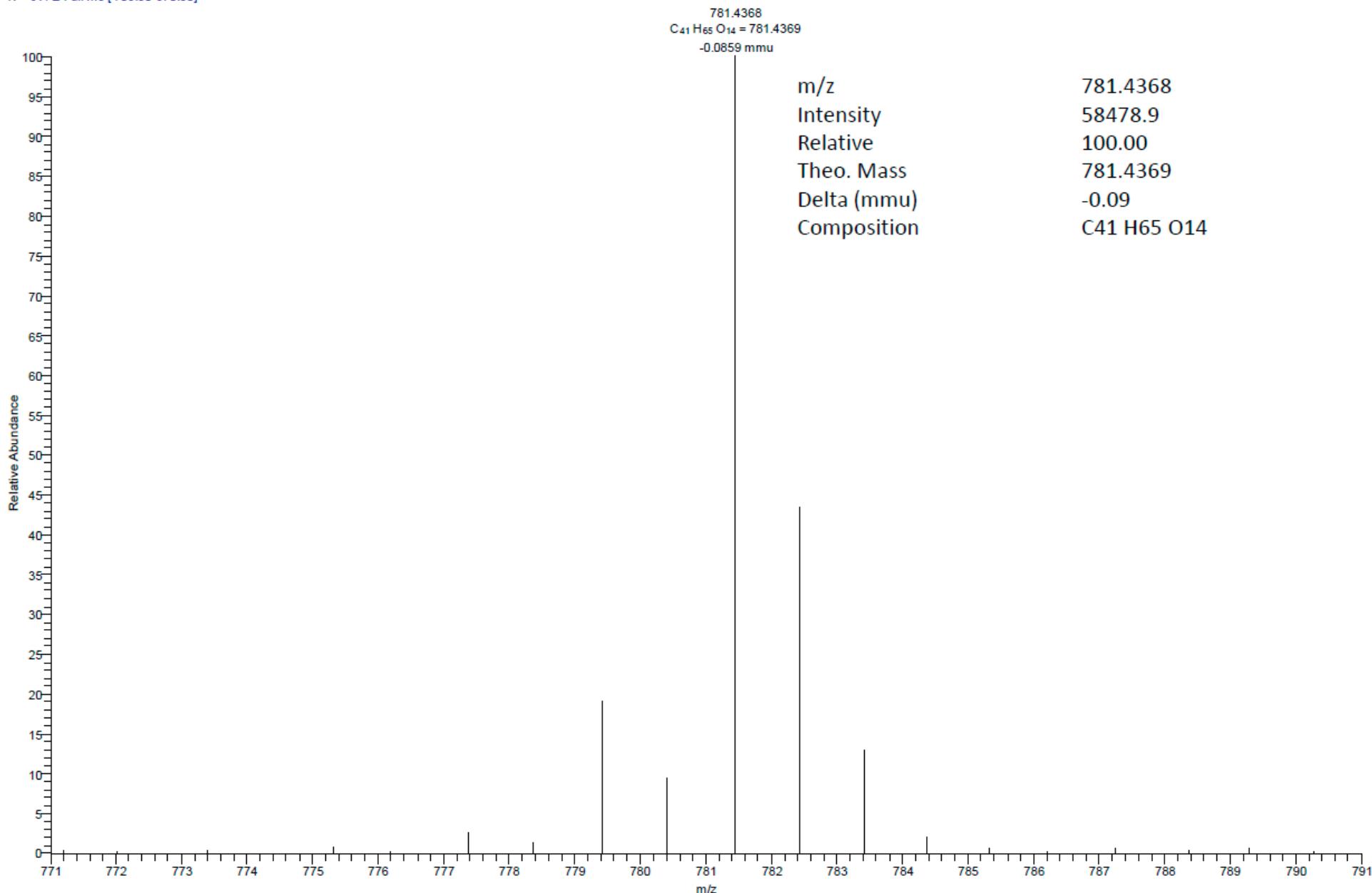
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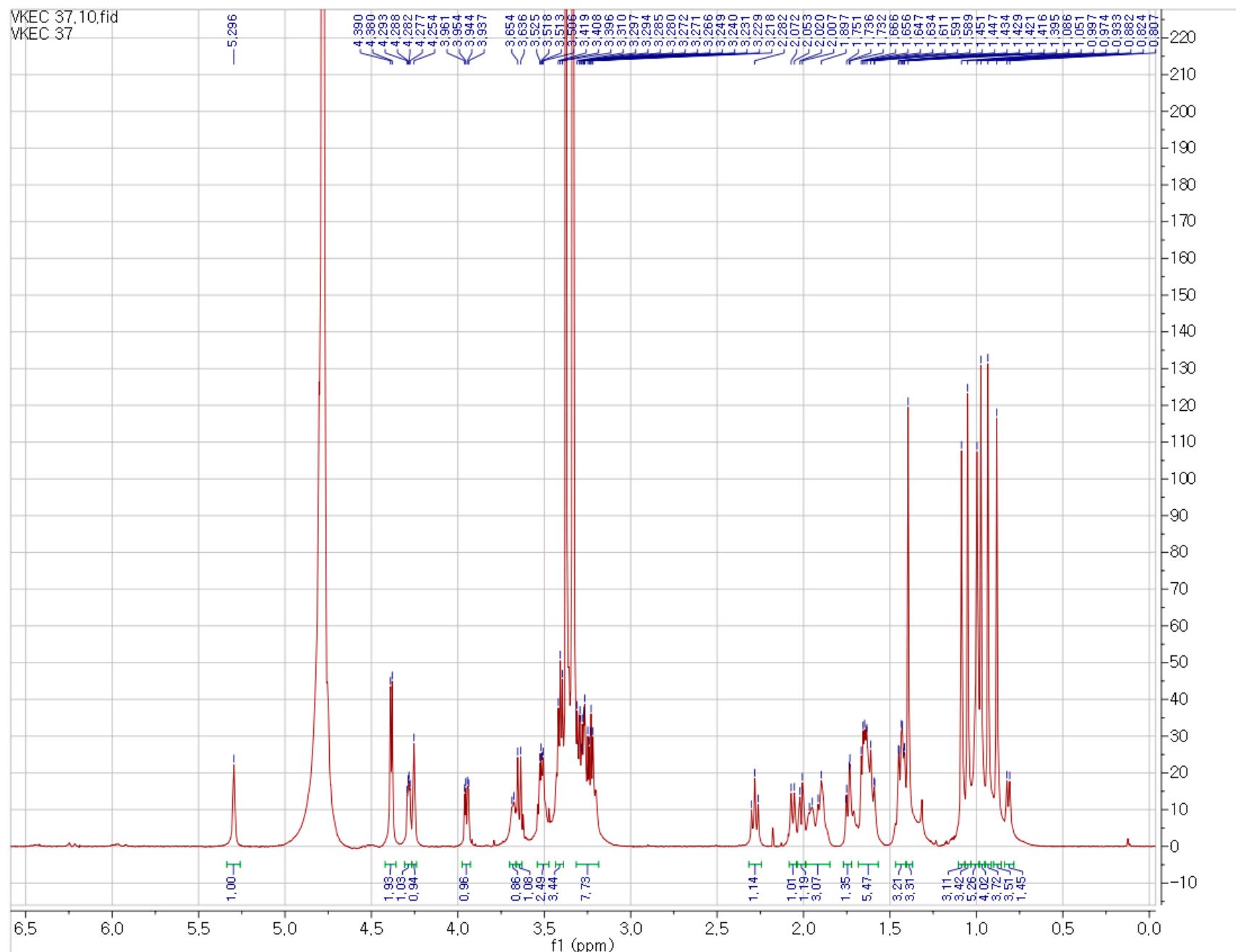
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**Figure S1.** The HRFABMS spectrum of **1**

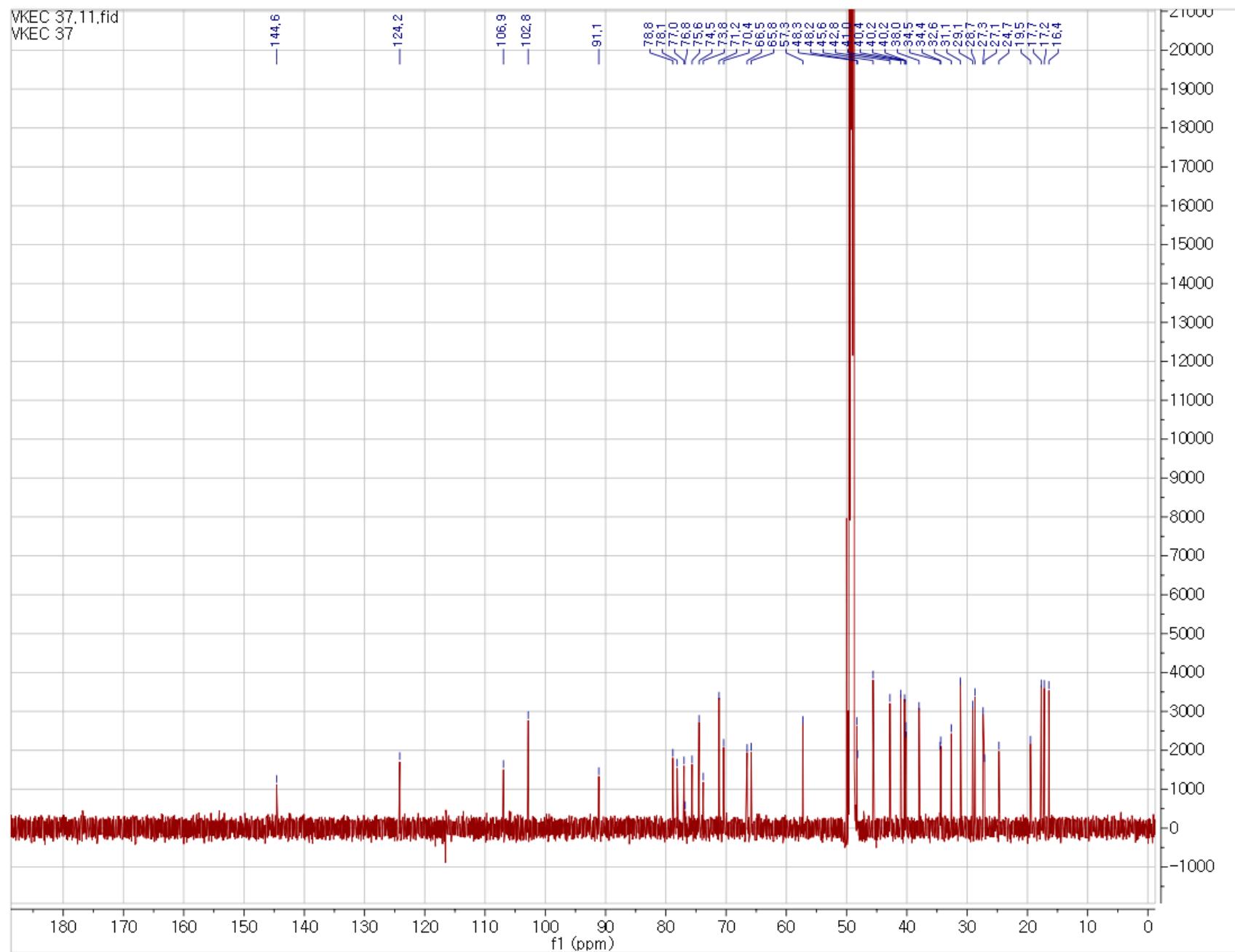
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T: + c FAB Full ms [709.50-870.50]



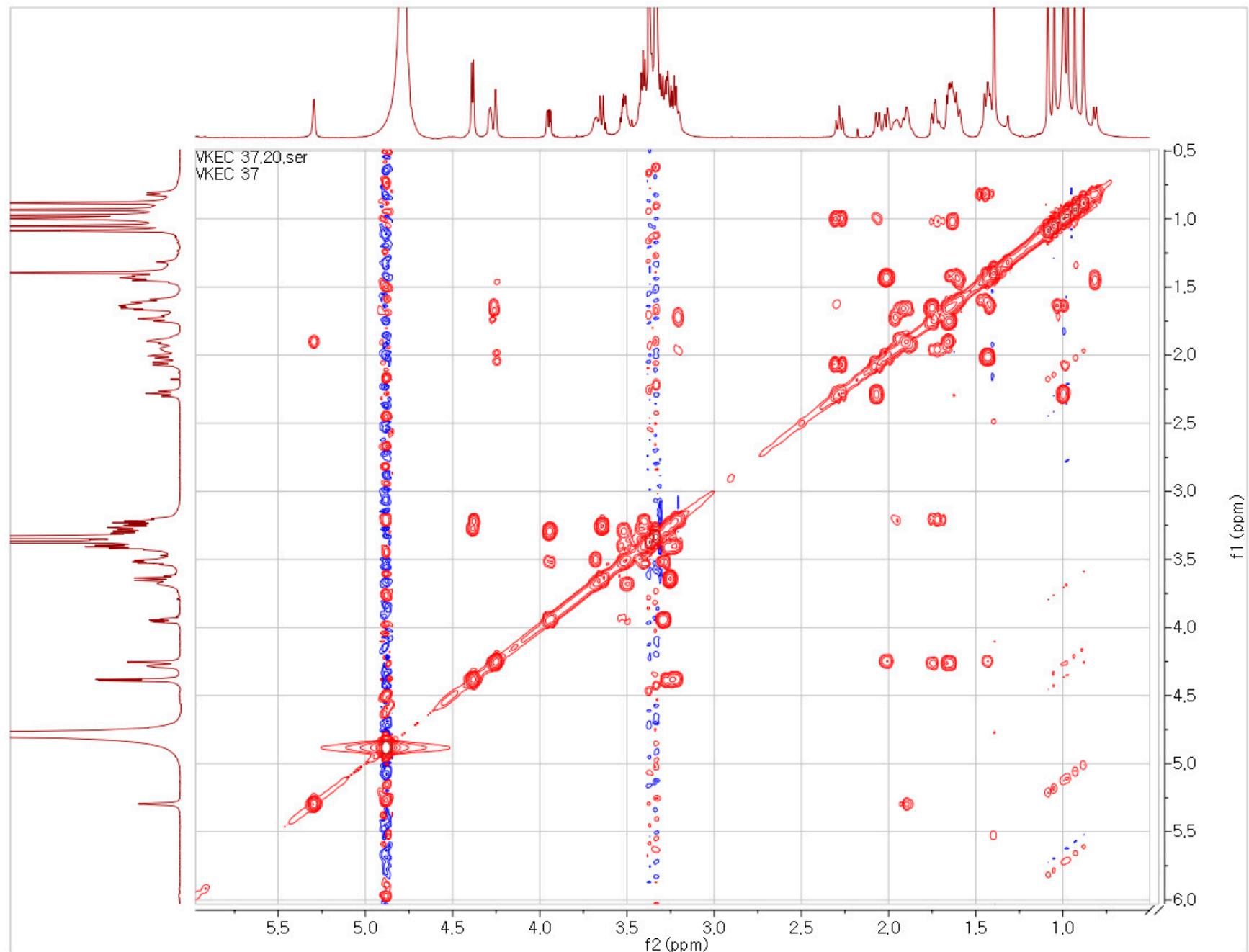
**Figure S2.** The  $^1\text{H}$  NMR spectrum of **1** in methanol- $d_4$



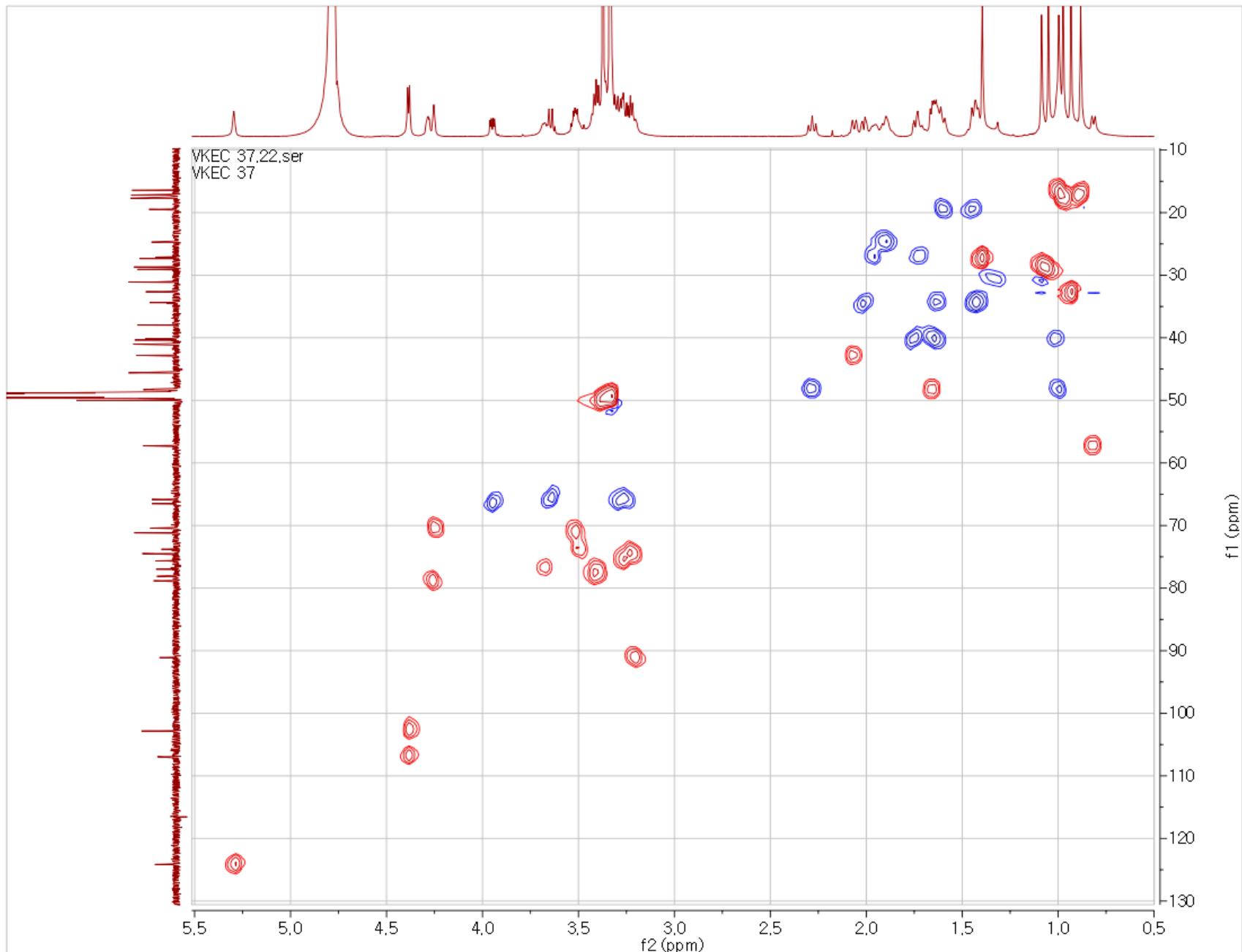
**Figure S3.** The  $^{13}\text{C}$  NMR spectrum of **1** in methanol- $d_4$



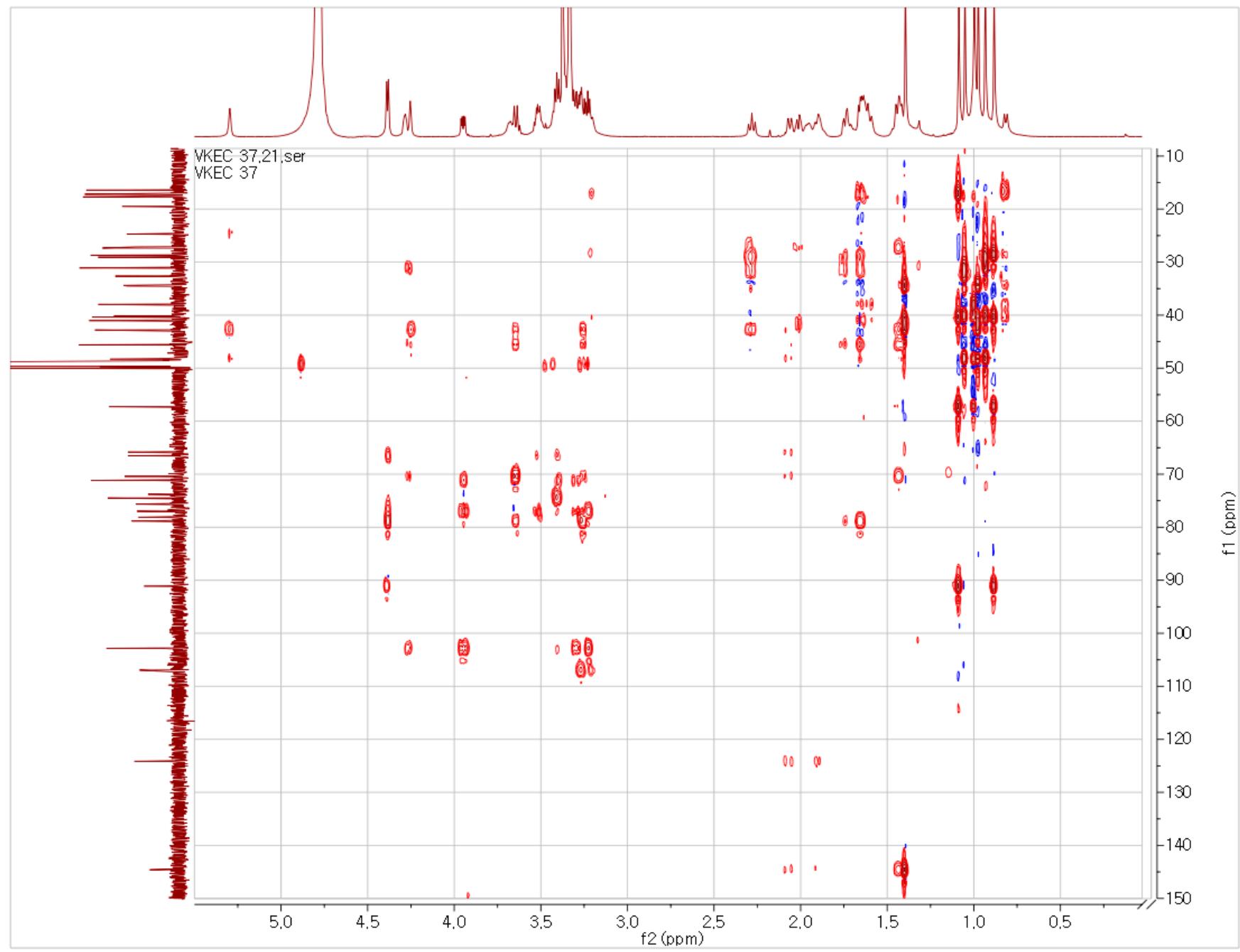
**Figure S4.** The COSY spectrum of **1** in methanol-*d*4



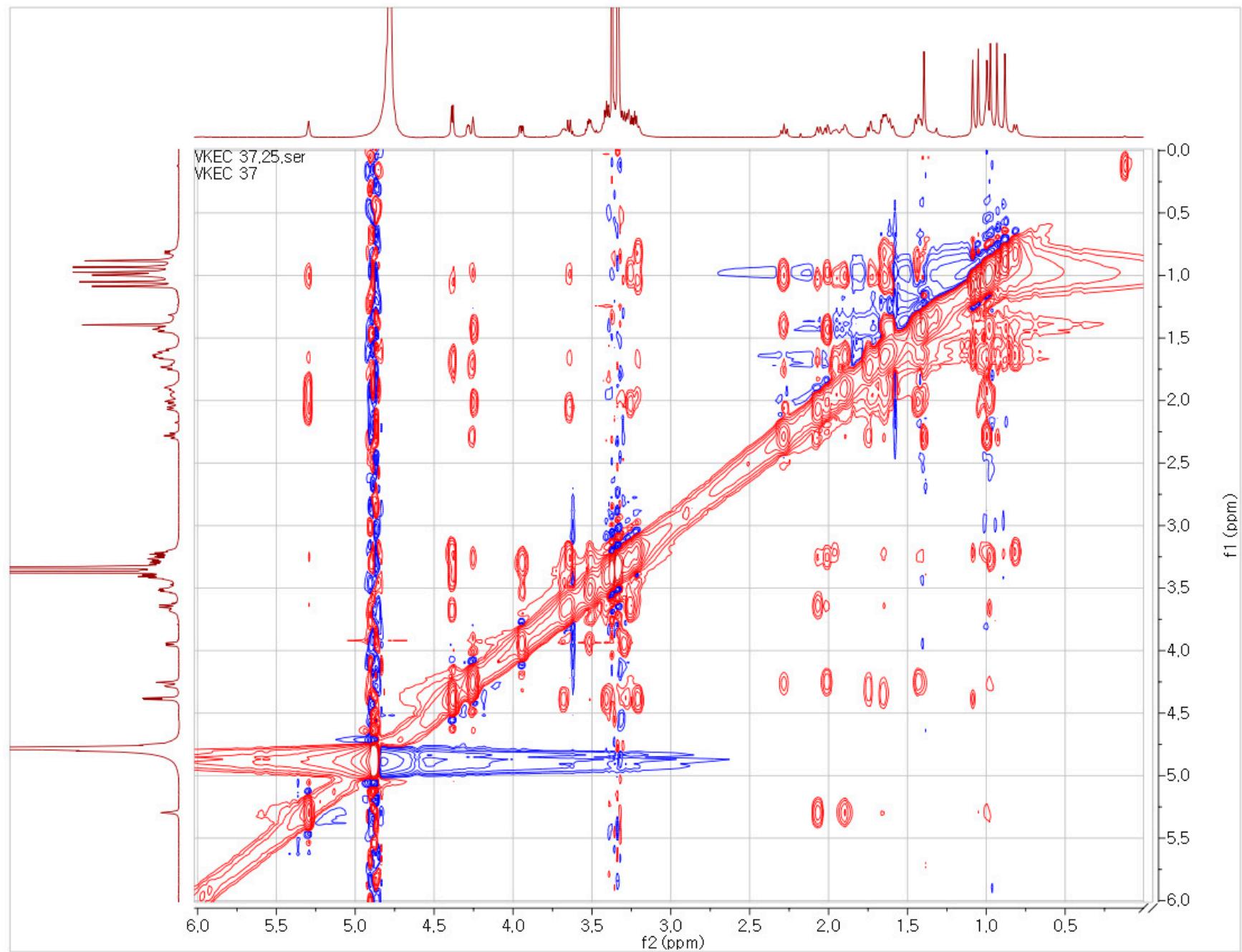
**Figure S5.** The HSQC spectrum of **1** in methanol-*d*4



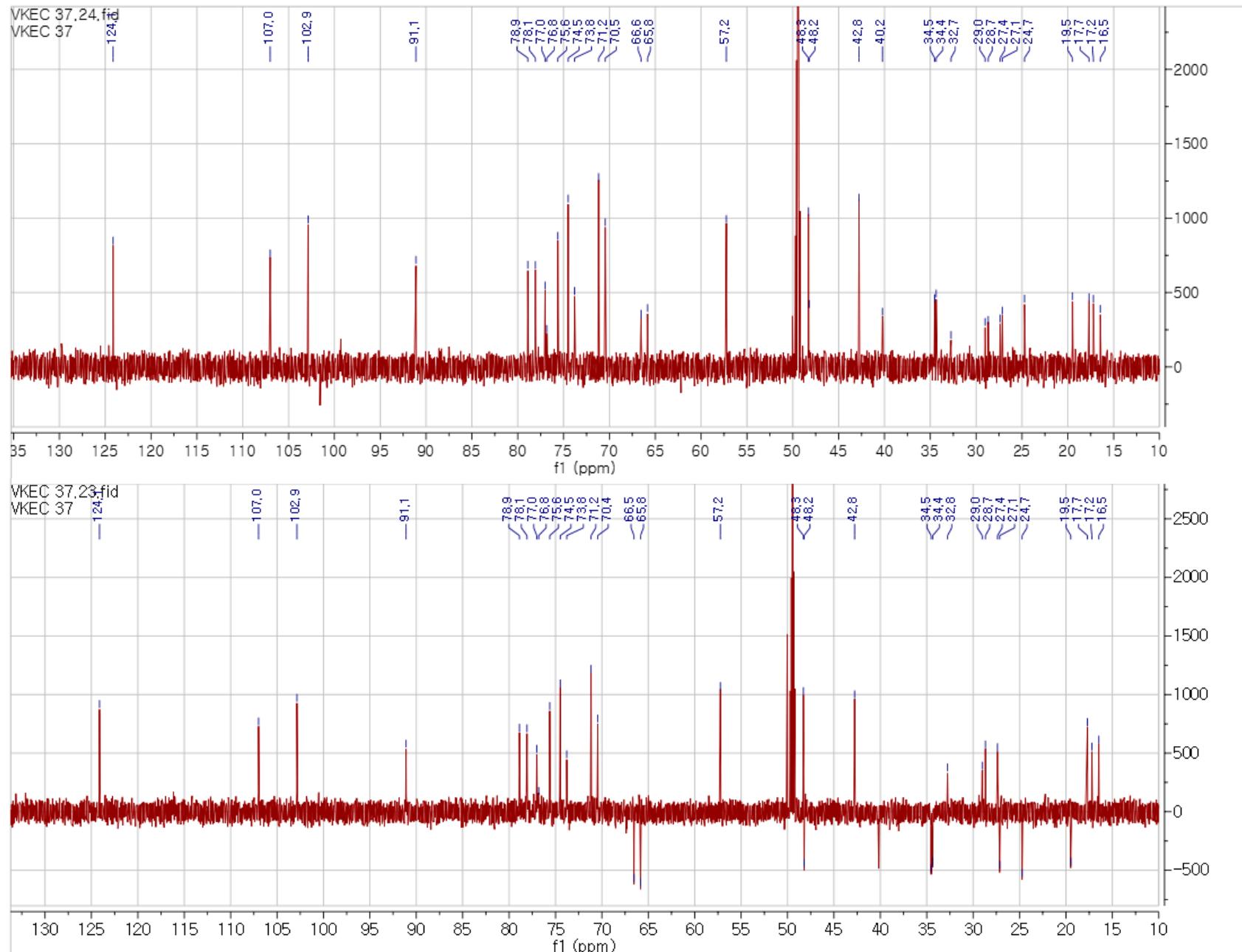
**Figure S6.** The HMBC spectrum of **1** in methanol-*d*4



**Figure S7.** The NOESY spectrum of **1** in methanol-*d*4

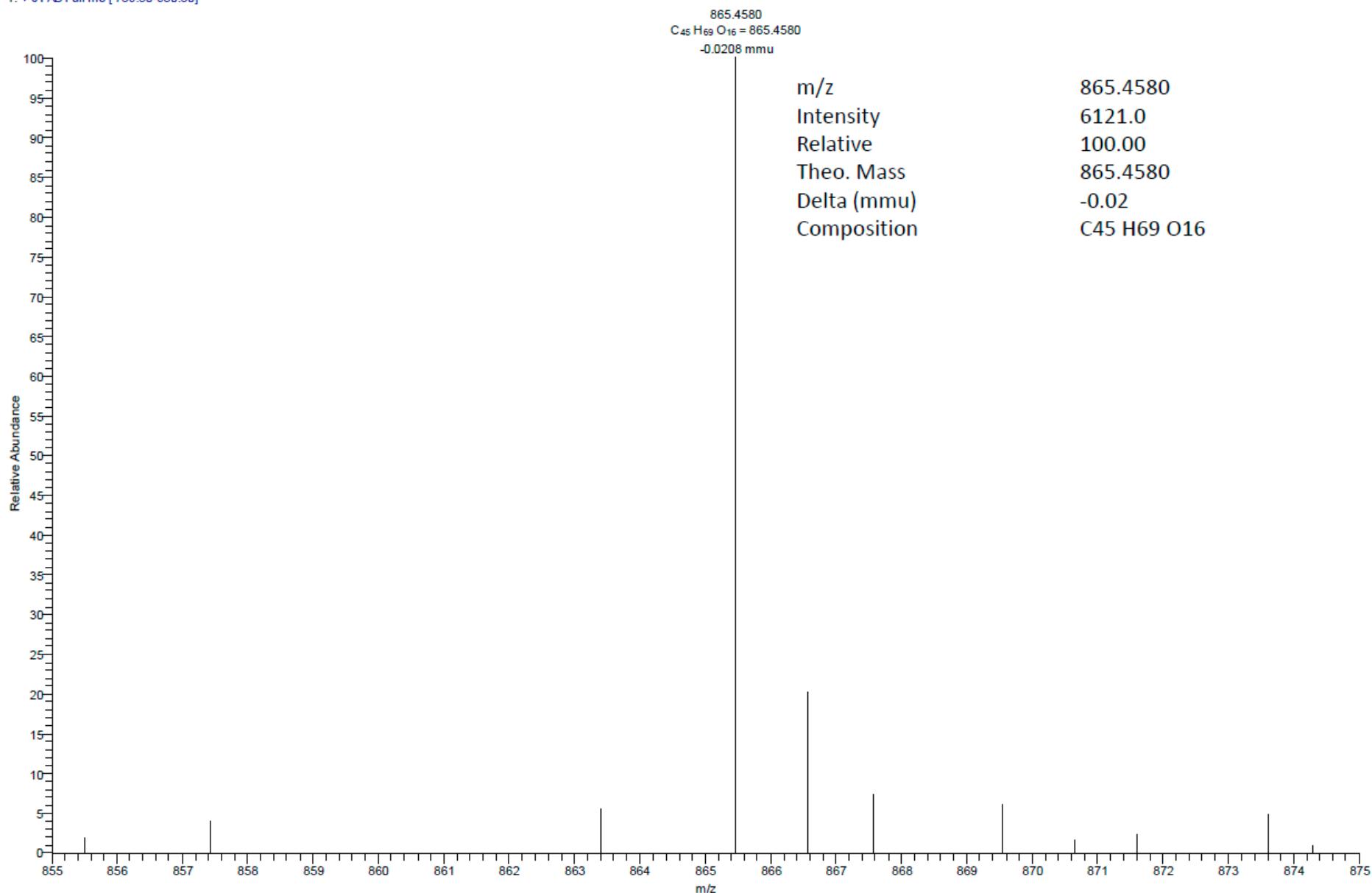


**Figure S8.** The DEPT90 (top) and 135 (bottom) spectra of **1** in methanol-*d*4

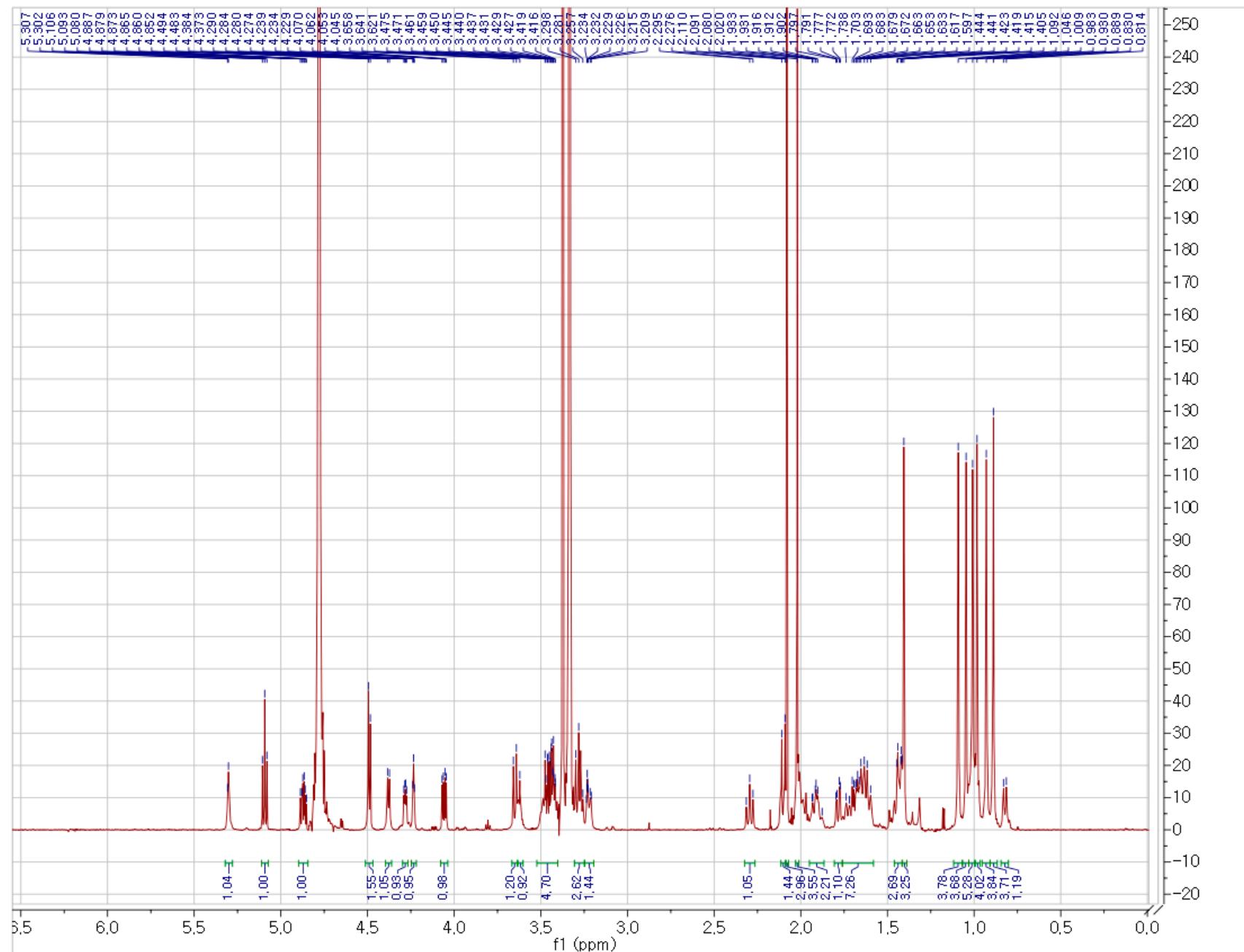


**Figure S9.** The HRFABMS spectrum of 2

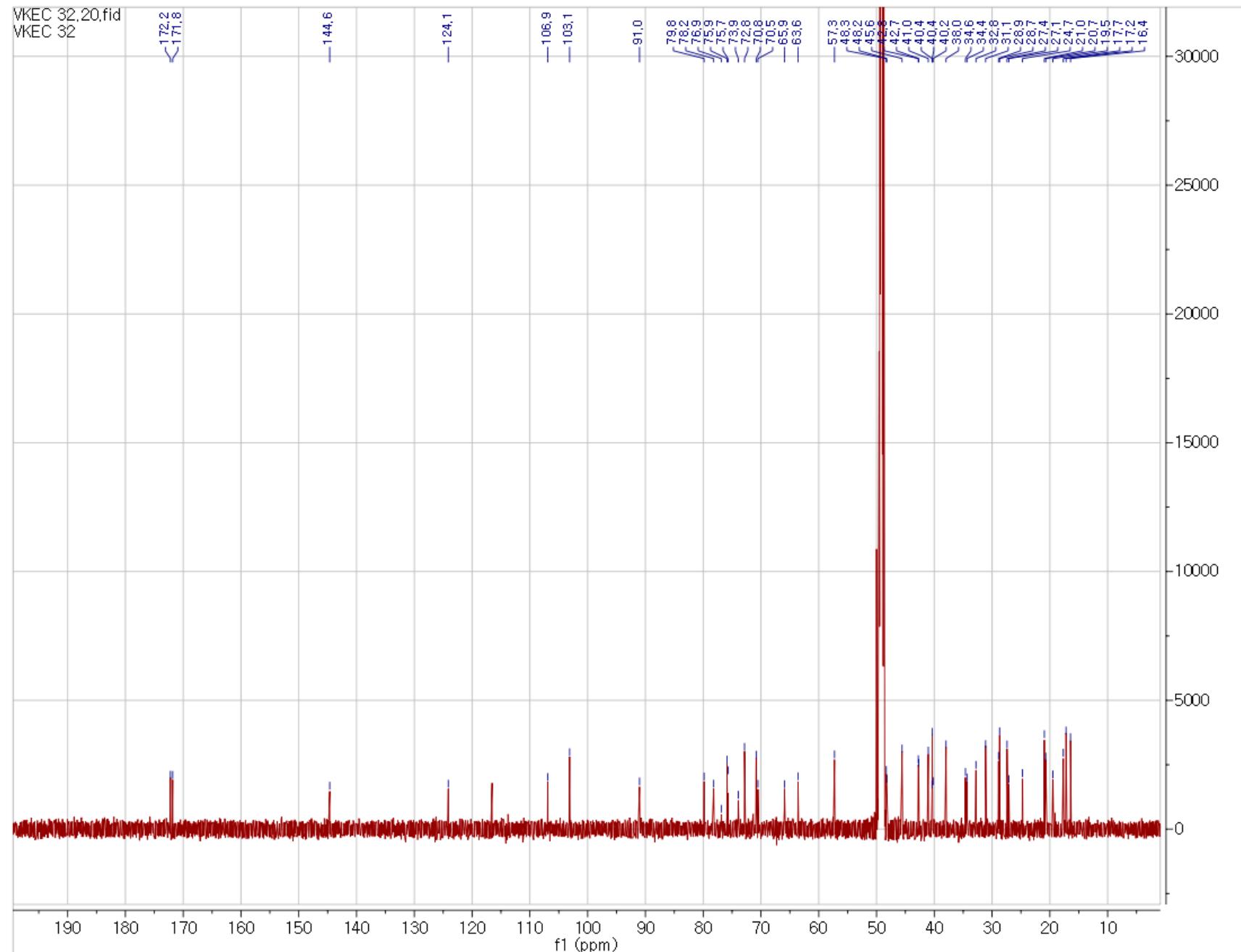
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T: + c FAB Full ms [ 759.50-950.50]



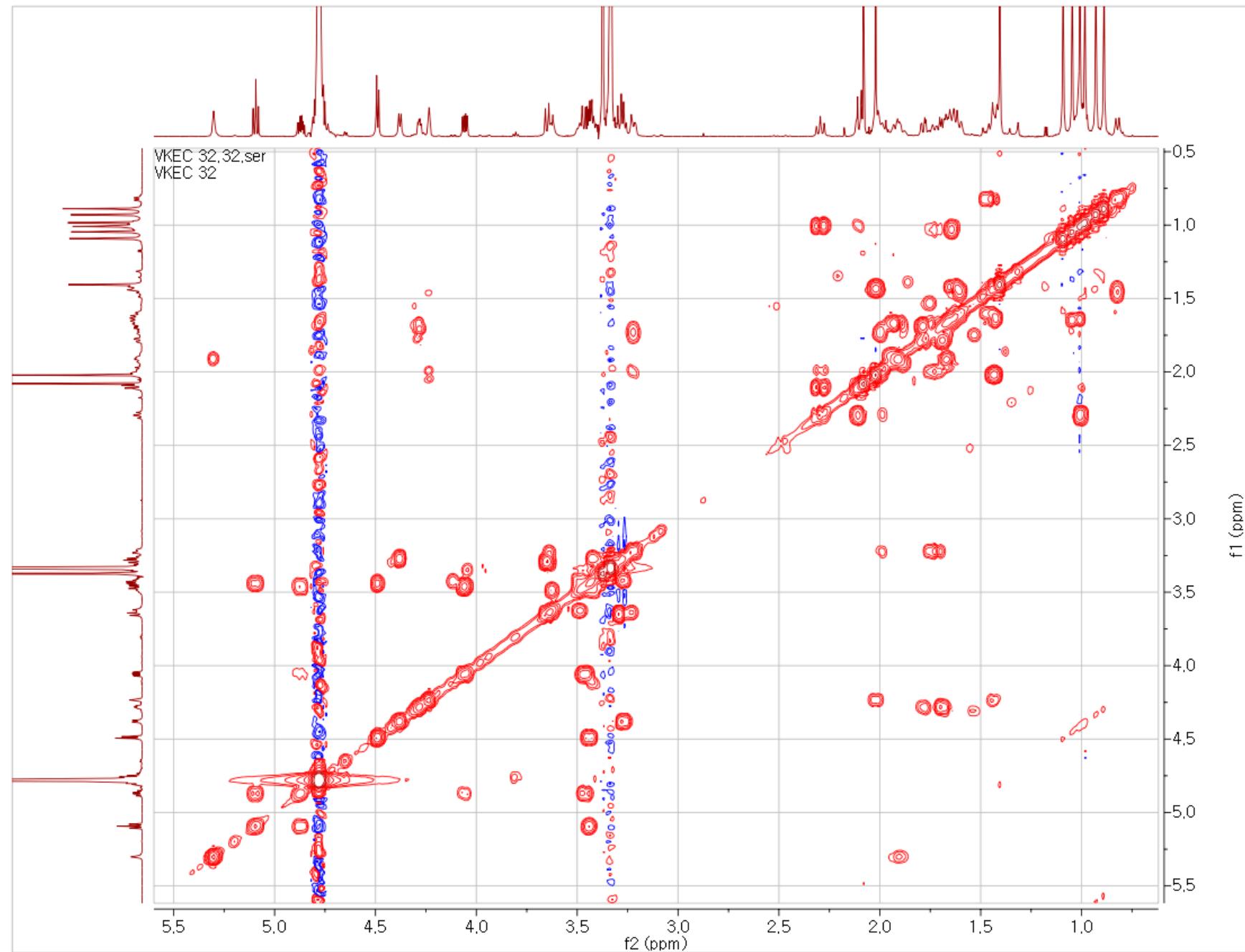
**Figure S10.** The  $^1\text{H}$  NMR spectrum of **2** in methanol- $d_4$



**Figure S11.** The  $^{13}\text{C}$  NMR spectrum of **2** in methanol- $d_4$



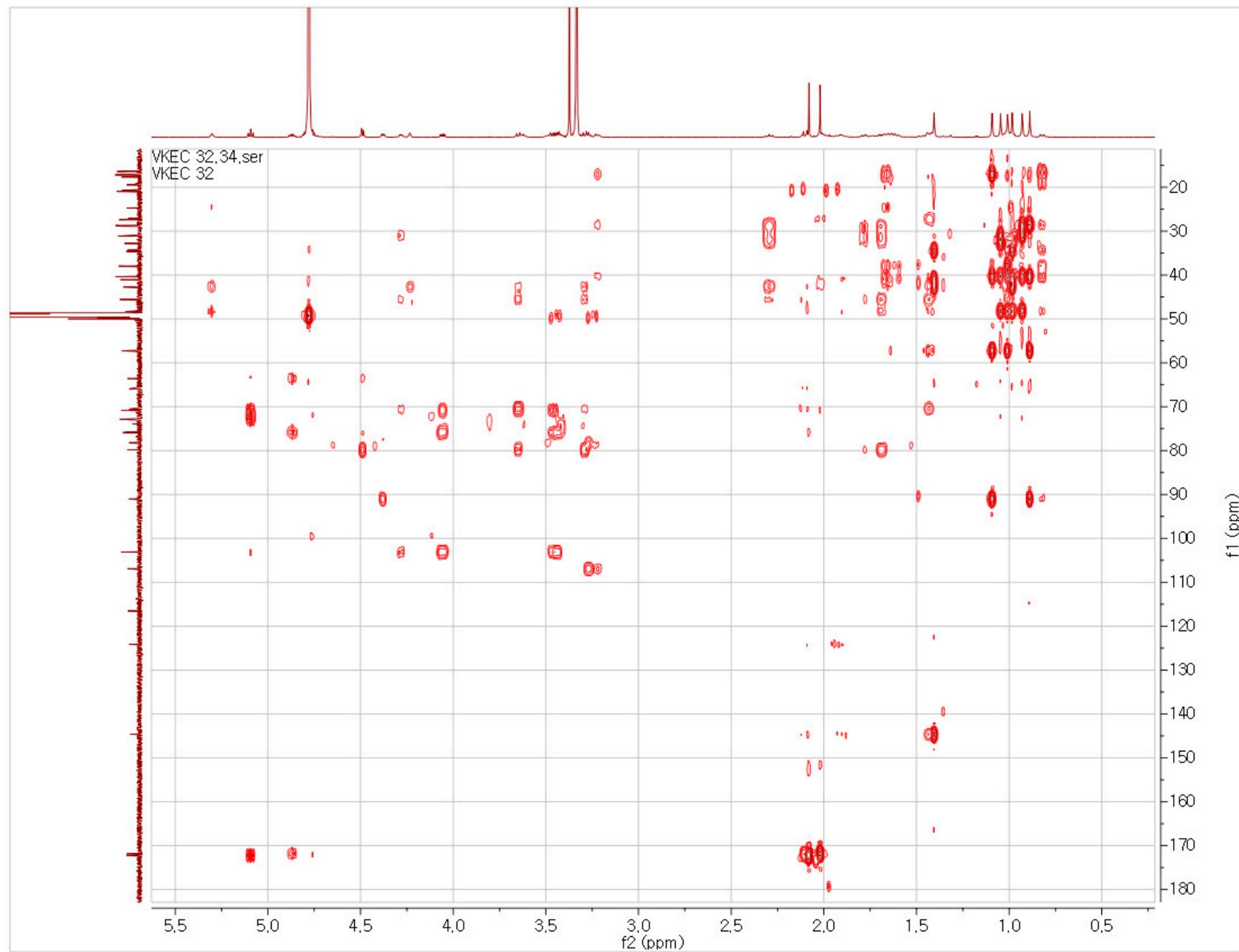
**Figure S12.** The COSY spectrum of **2** in methanol-*d*4



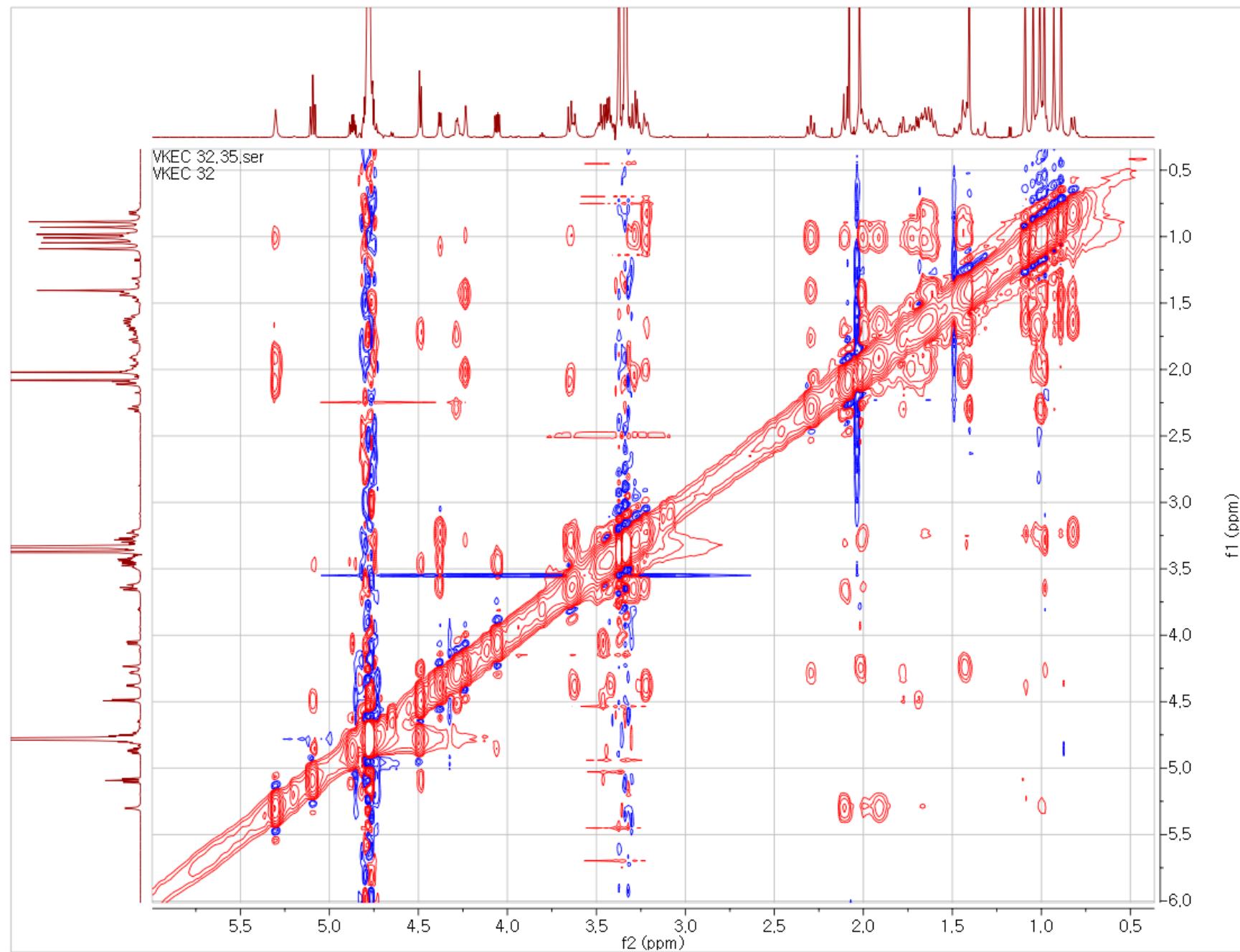
**Figure S13.** The HSQC spectrum of **2** in methanol-*d*4



**Figure S14.** The HMBC spectrum of **2** in methanol-*d*4

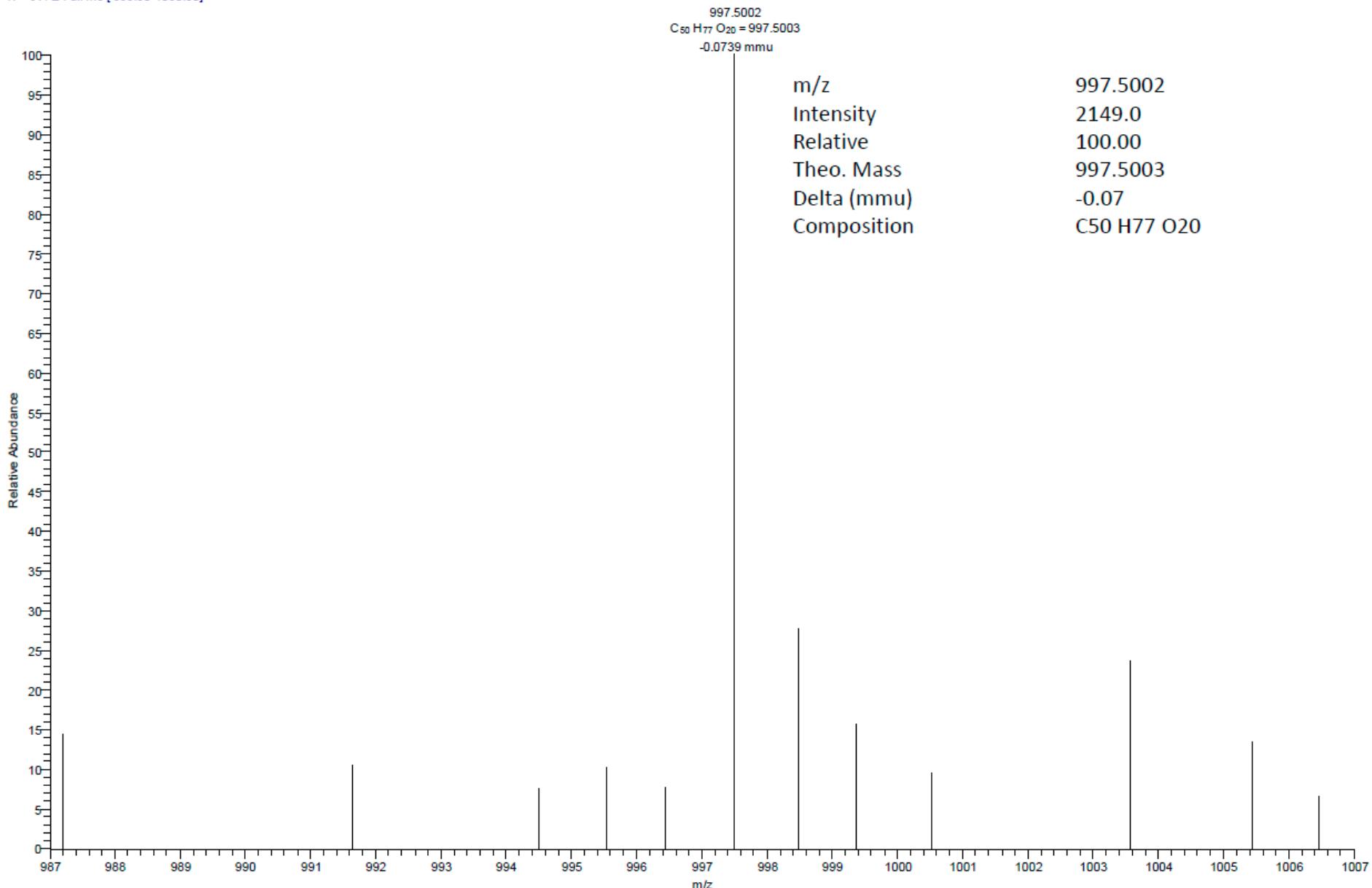


**Figure S15.** The NOESY spectrum of **2** in methanol-*d*4

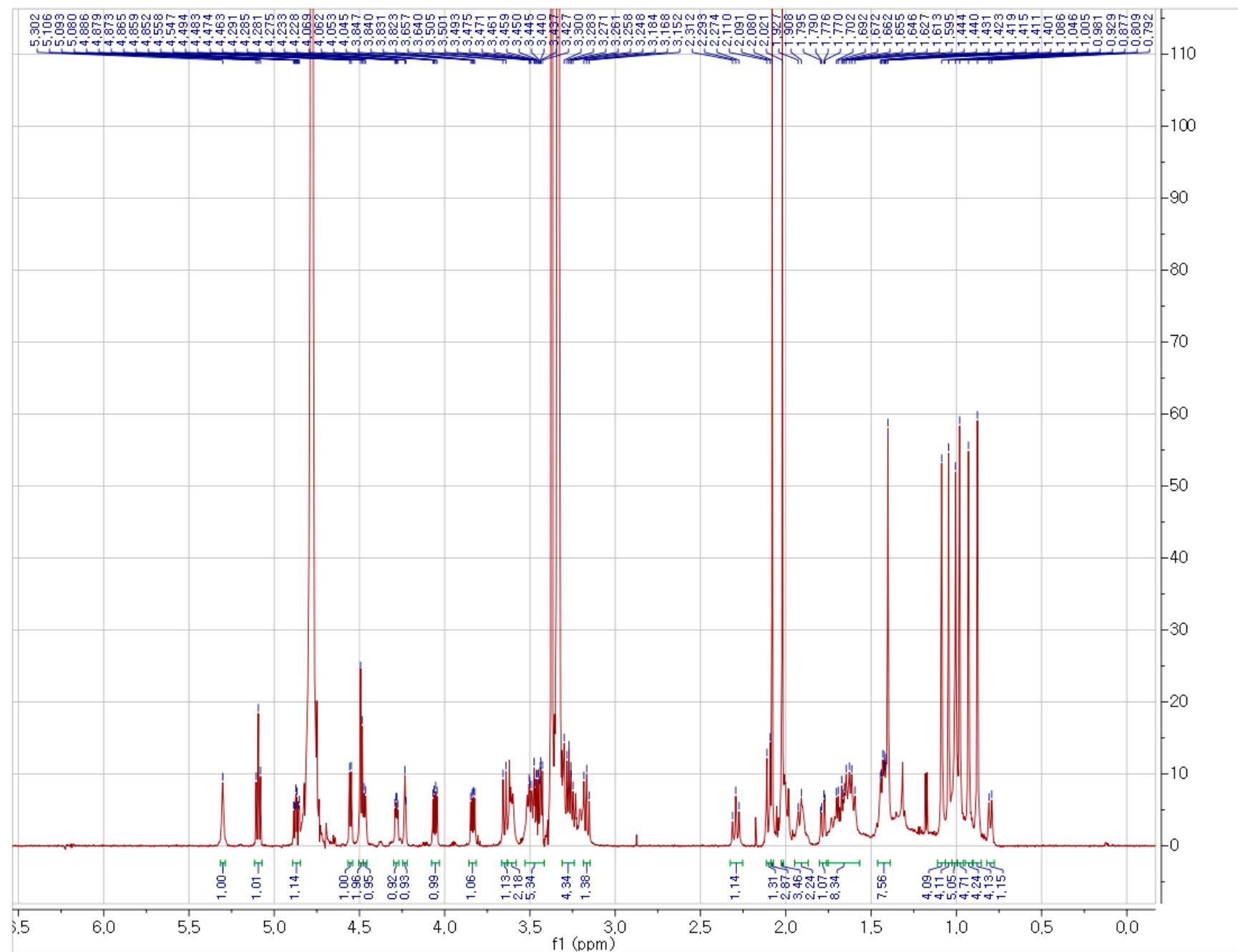


**Figure S16.** The HRFABMS spectrum of 3

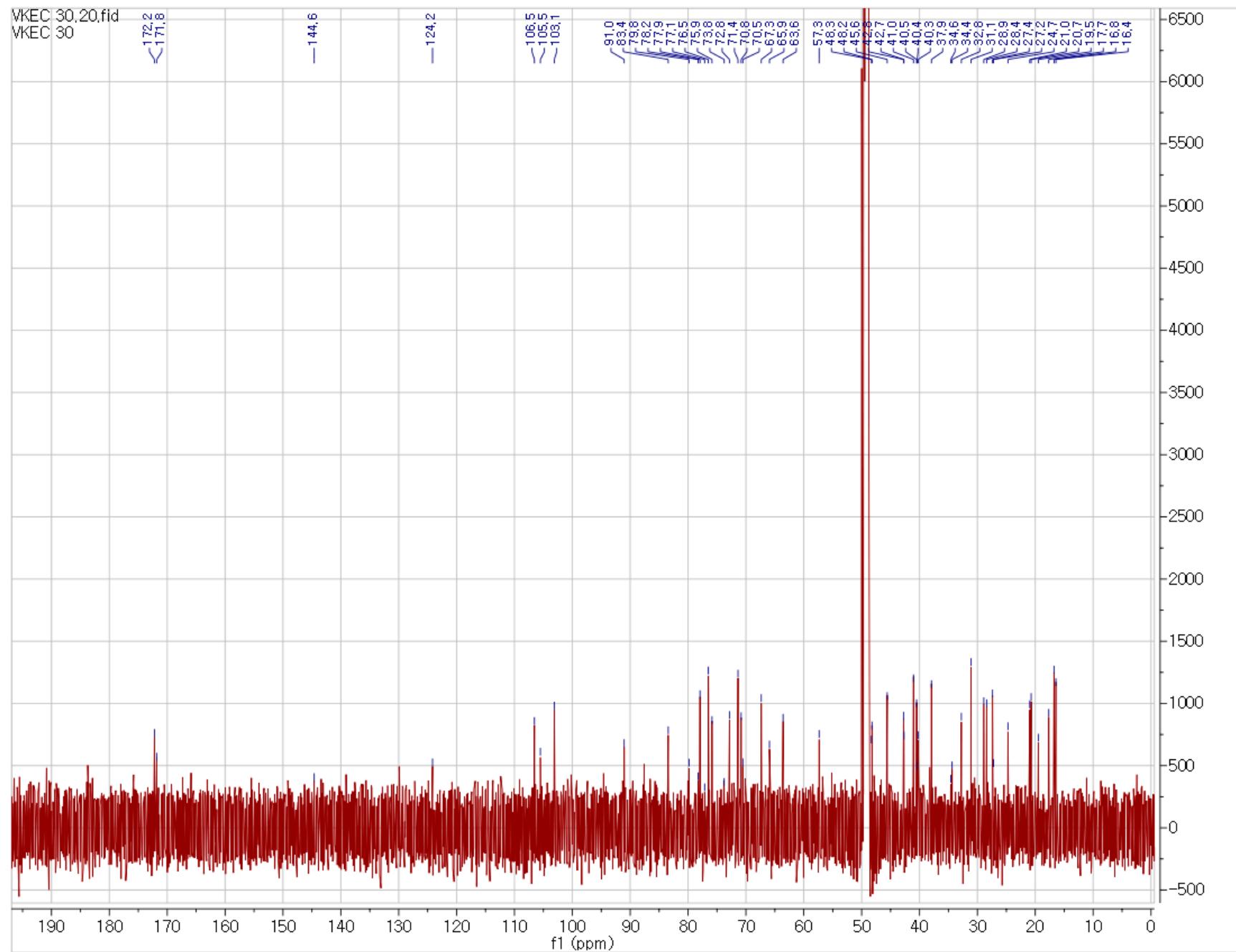
150303\_VKEC30\_H\_002-c2 #237-239 RT: 4.11-4.15 AV: 3 SB: 30 0.04-0.54 NL: 2.15E3  
T: + c FAB Full ms [889.50-1080.50]



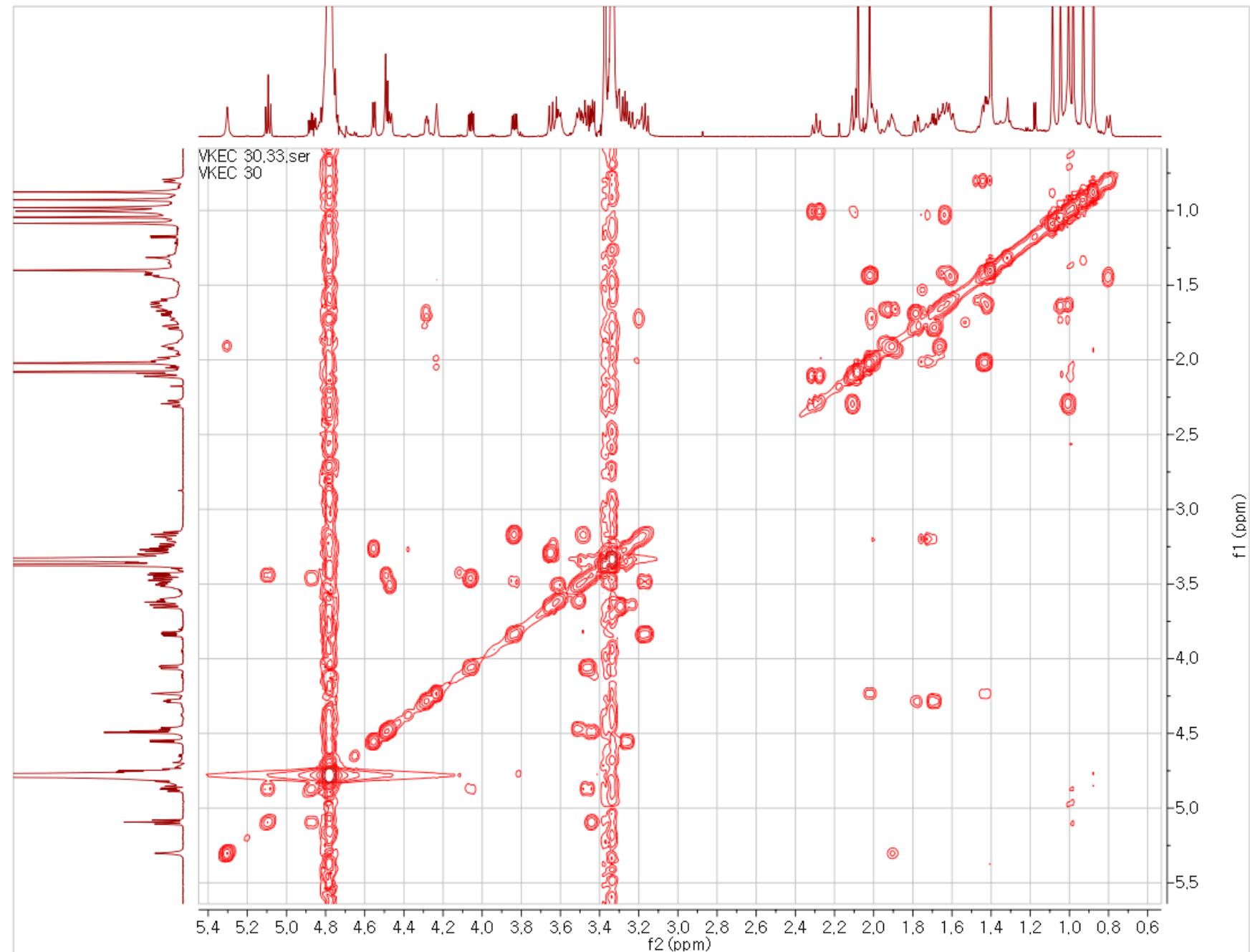
**Figure S17.** The  $^1\text{H}$  NMR spectrum of **3** in methanol- $d_4$



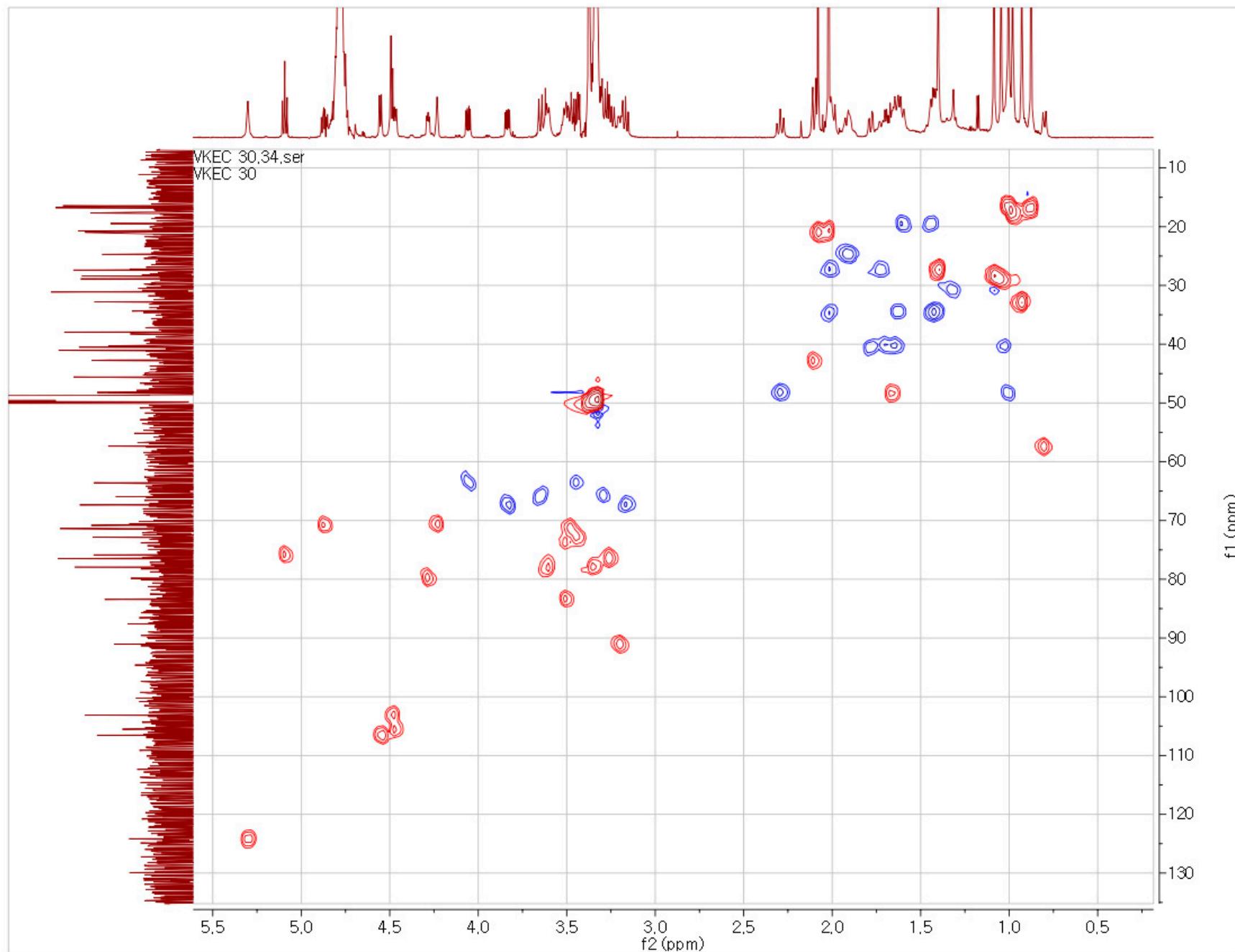
**Figure S18.** The  $^{13}\text{C}$  NMR spectrum of **3** in methanol- $d_4$



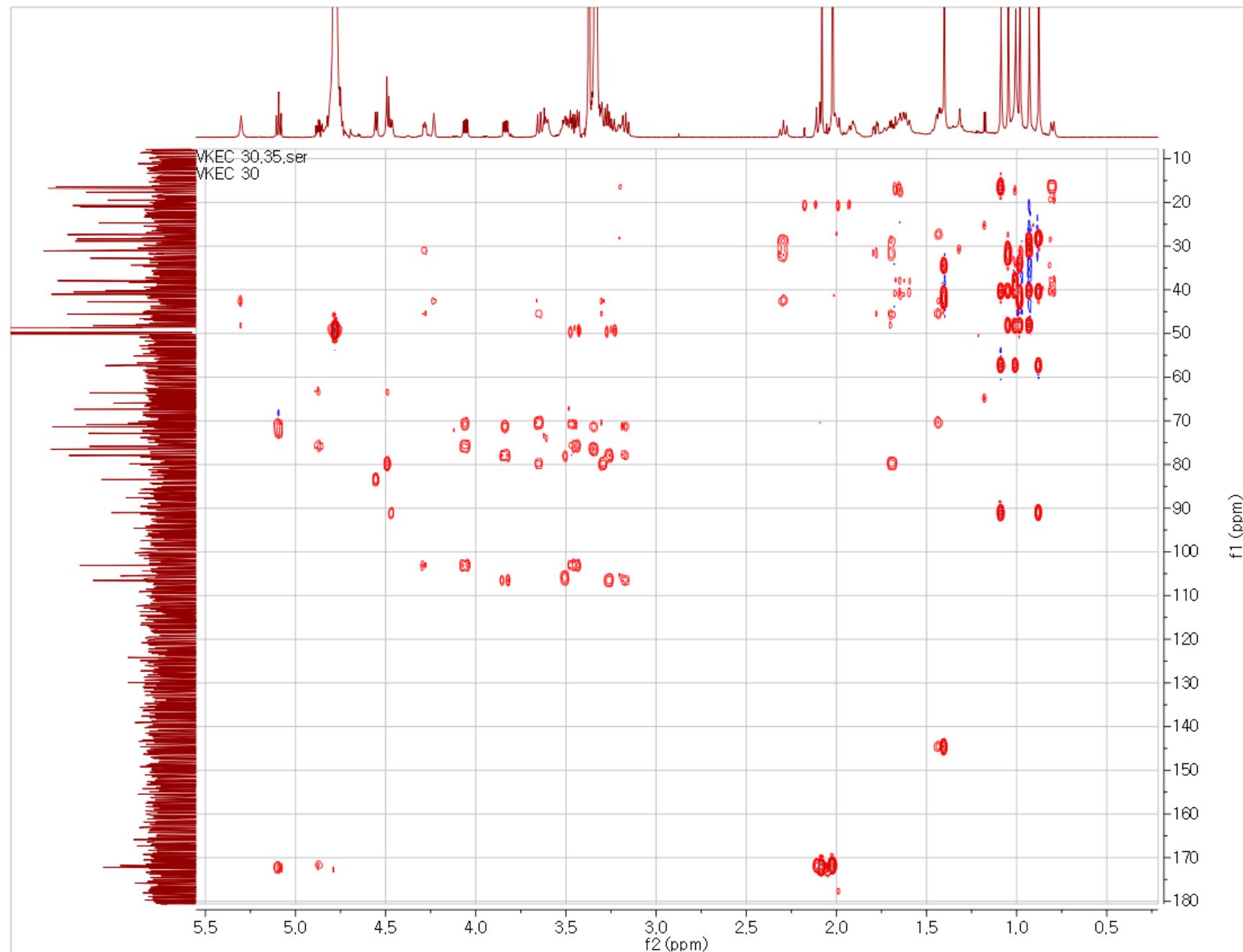
**Figure S19.** The COSY spectrum of **3** in methanol-*d*4



**Figure S20.** The HSQC spectrum of **3** in methanol-*d*4



**Figure S21.** The HMBC spectrum of **3** in methanol-*d*4



**Figure S22.** The NOESY spectrum of **3** in methanol-*d*<sub>4</sub>

