

Supplementary data for the article:

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## Supporting information

### Synthesis, characterization and biological evaluation of novel Ru(II)-arene complexes containing intercalating ligands

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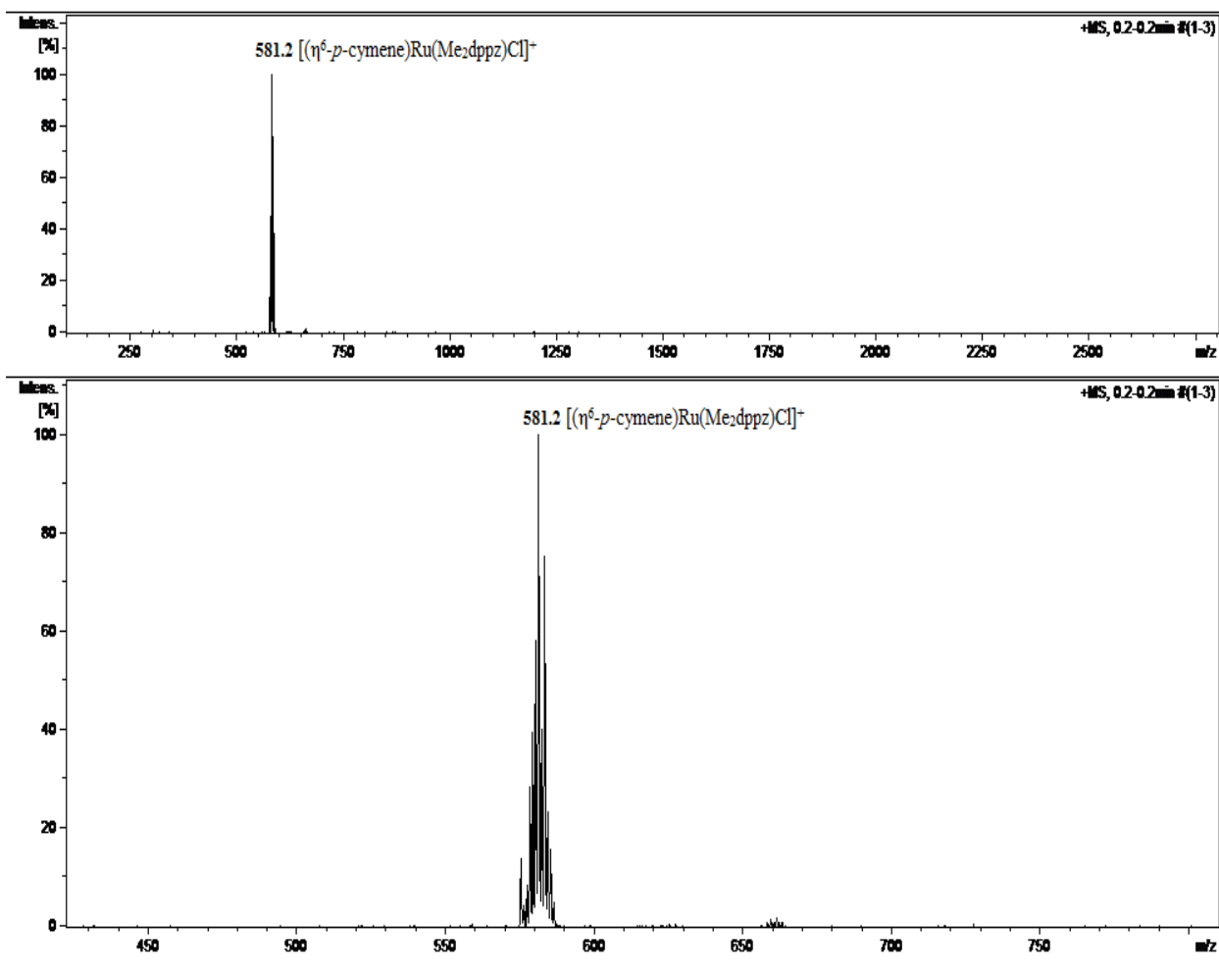
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**Figure S1.** (+)ESI-MS spectrum of **1** and zoom of the main peak.

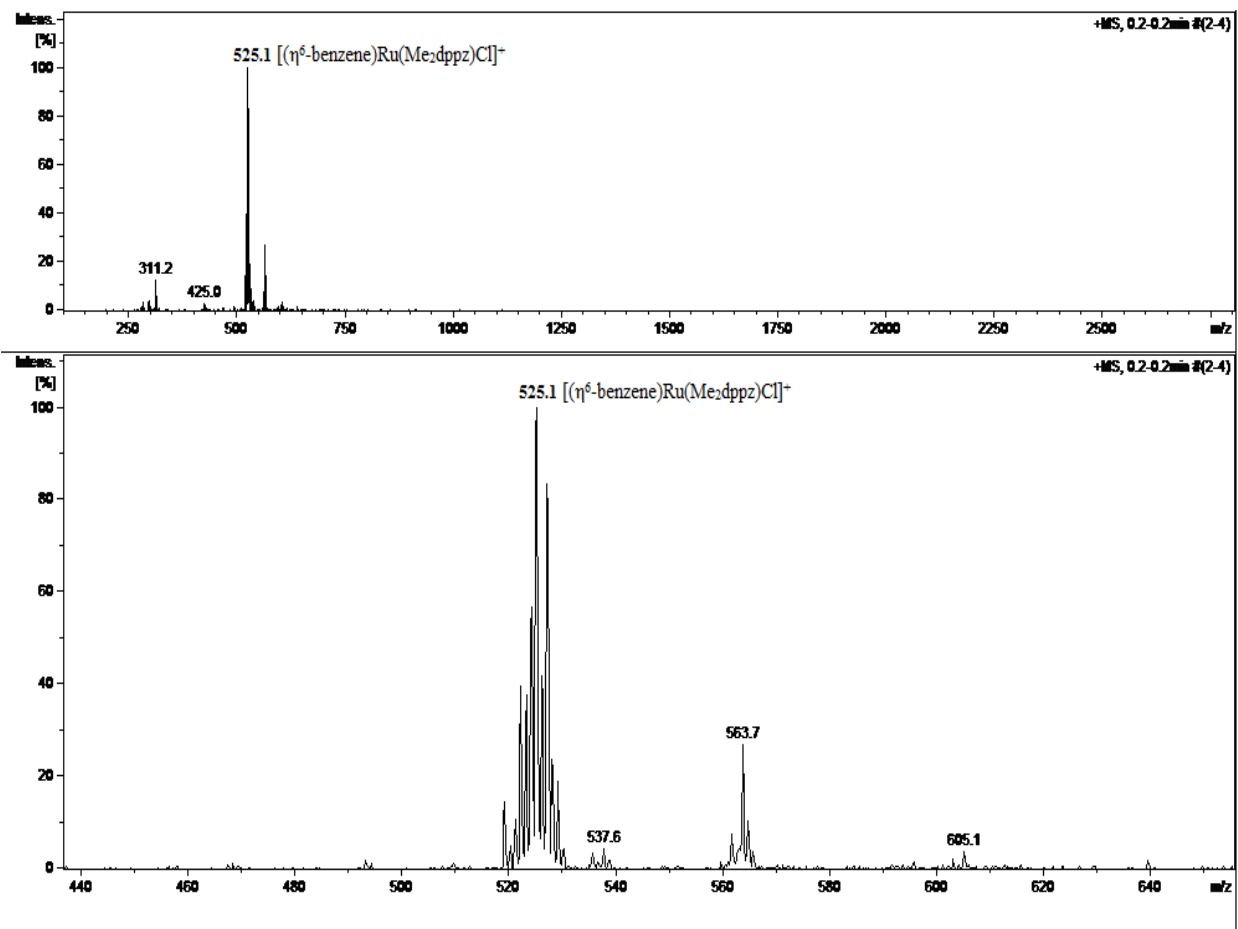
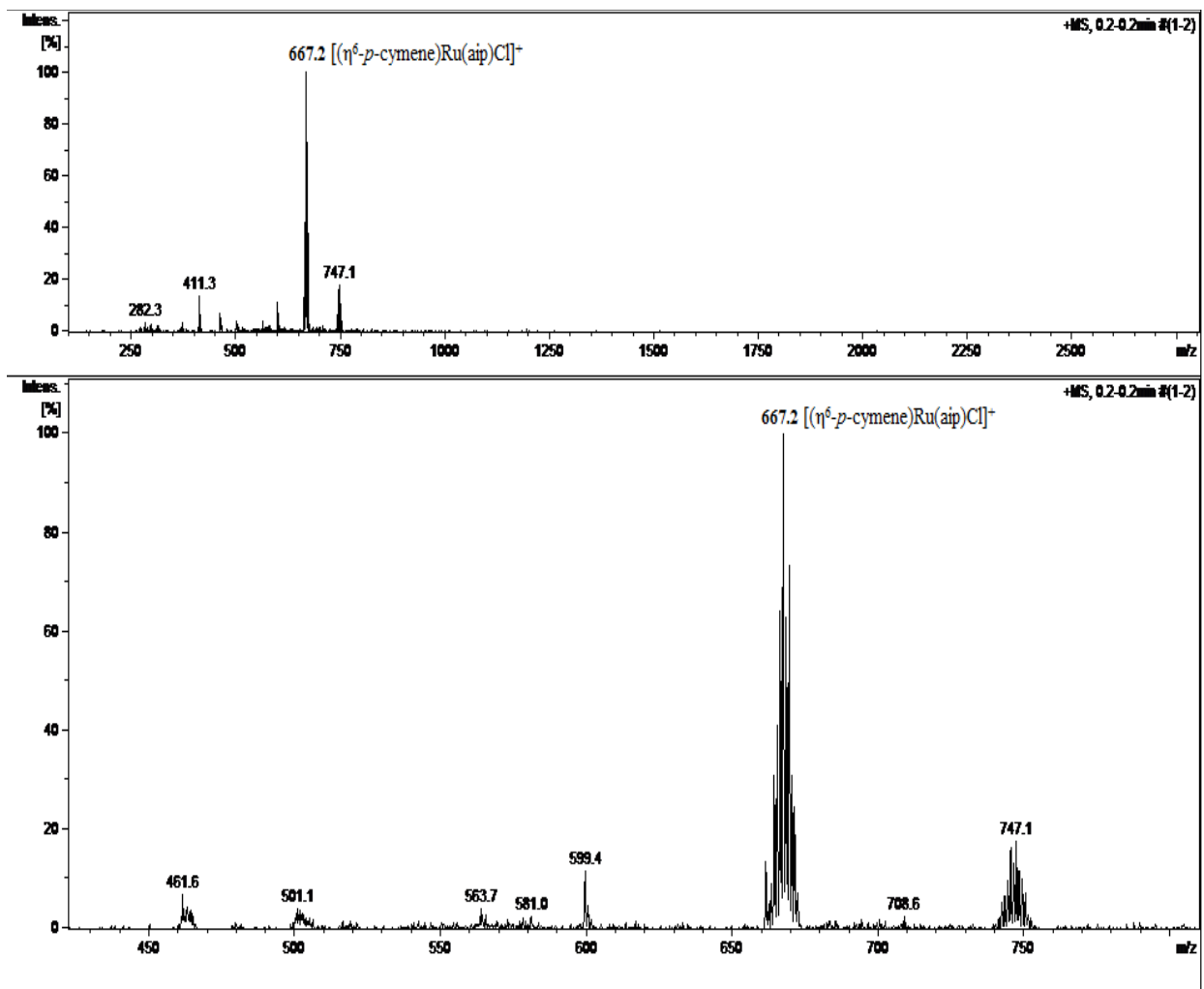
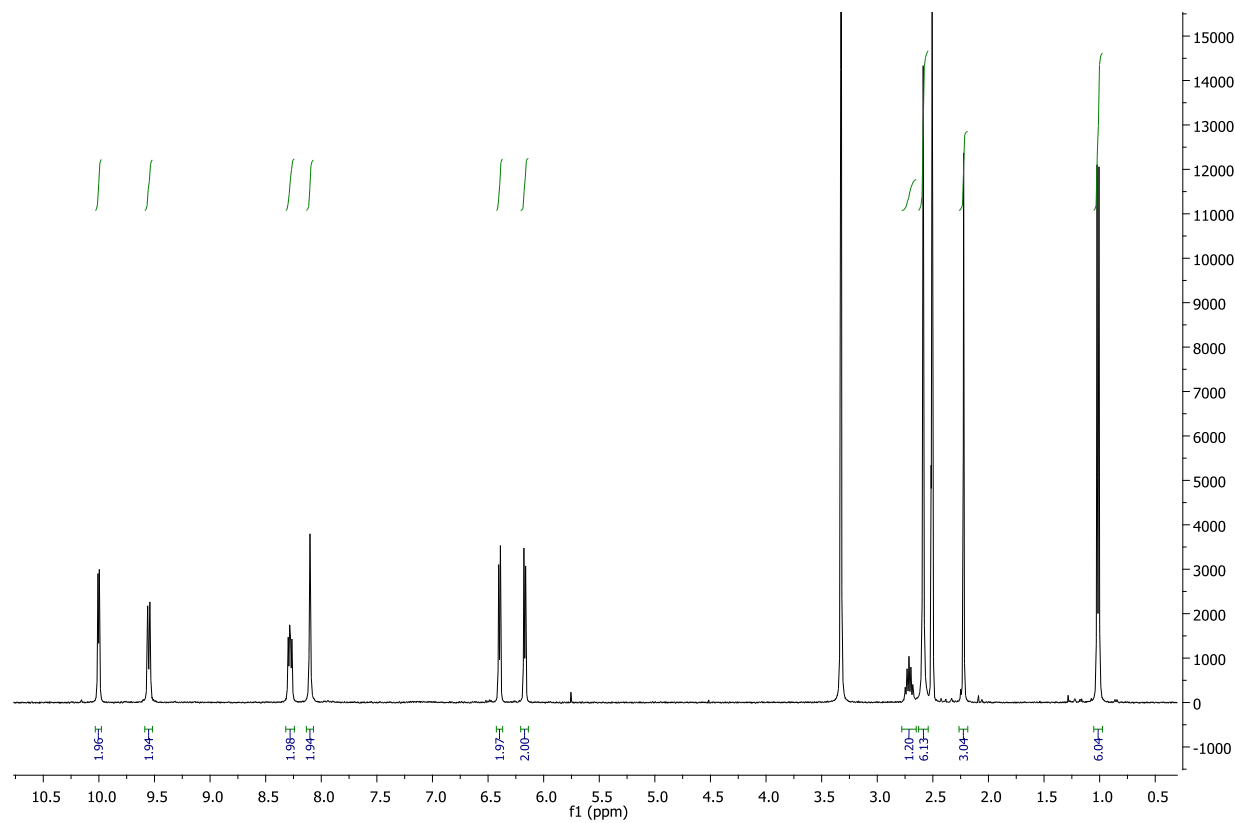


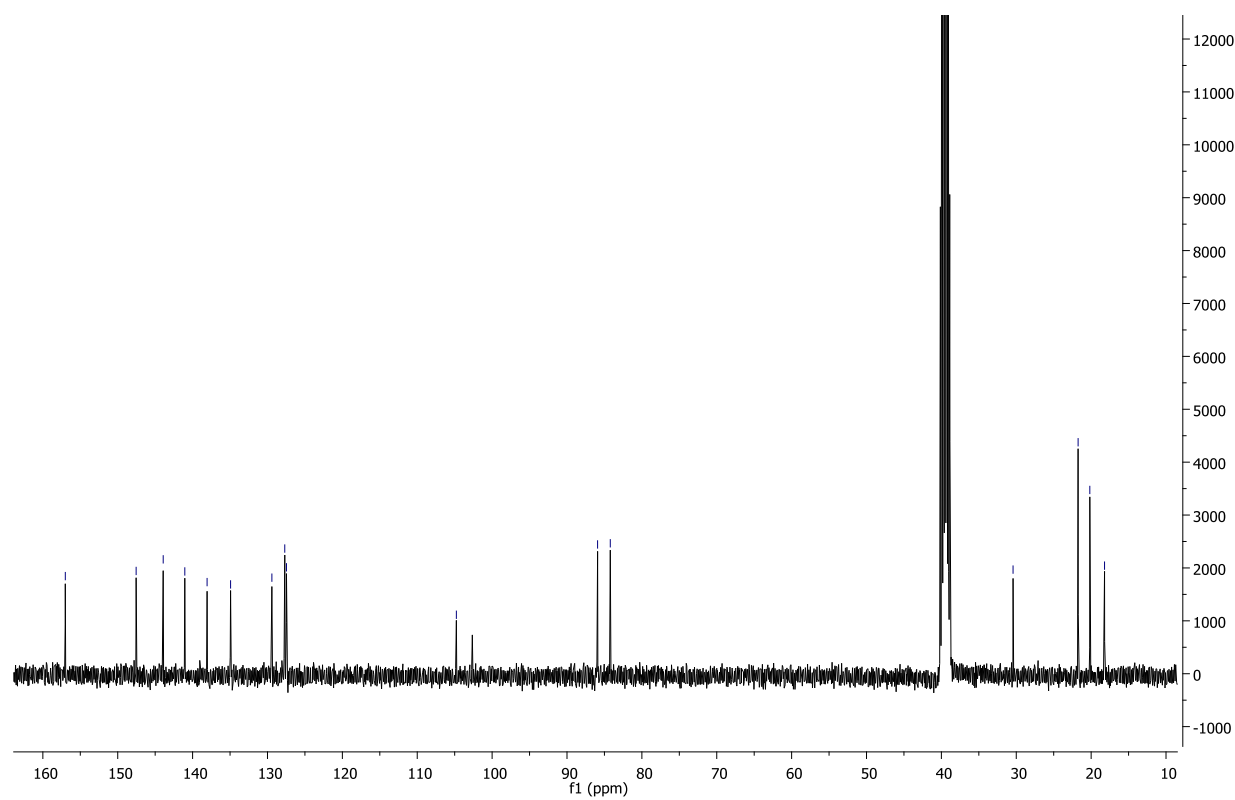
Figure S2. (+)ESI-MS spectrum of **2** and zoom of the main peak.



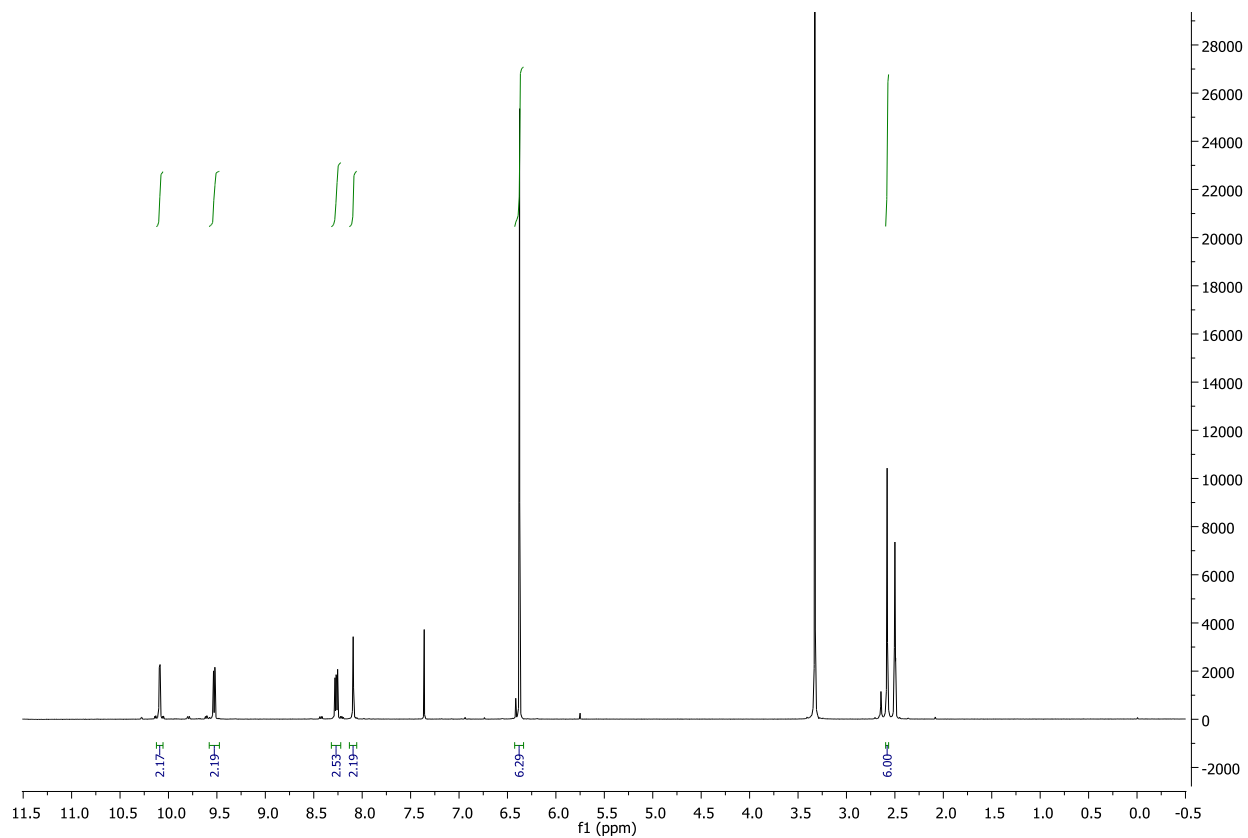
**Figure S3.** (+)ESI-MS spectrum of **3** and zoom of the main peak.



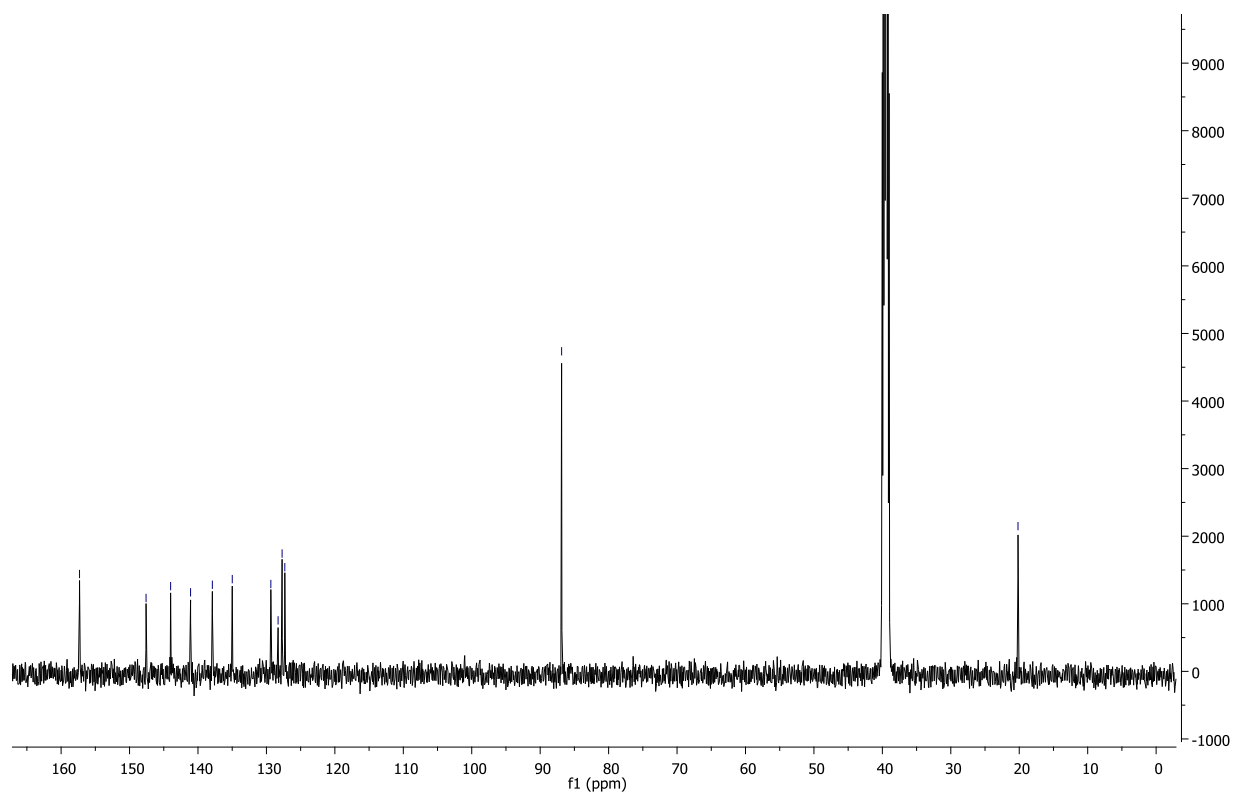
**Figure S4.**  $^1\text{H}$  NMR (400 MHz, DMSO- $d_6$ ) spectrum of complex **1**.



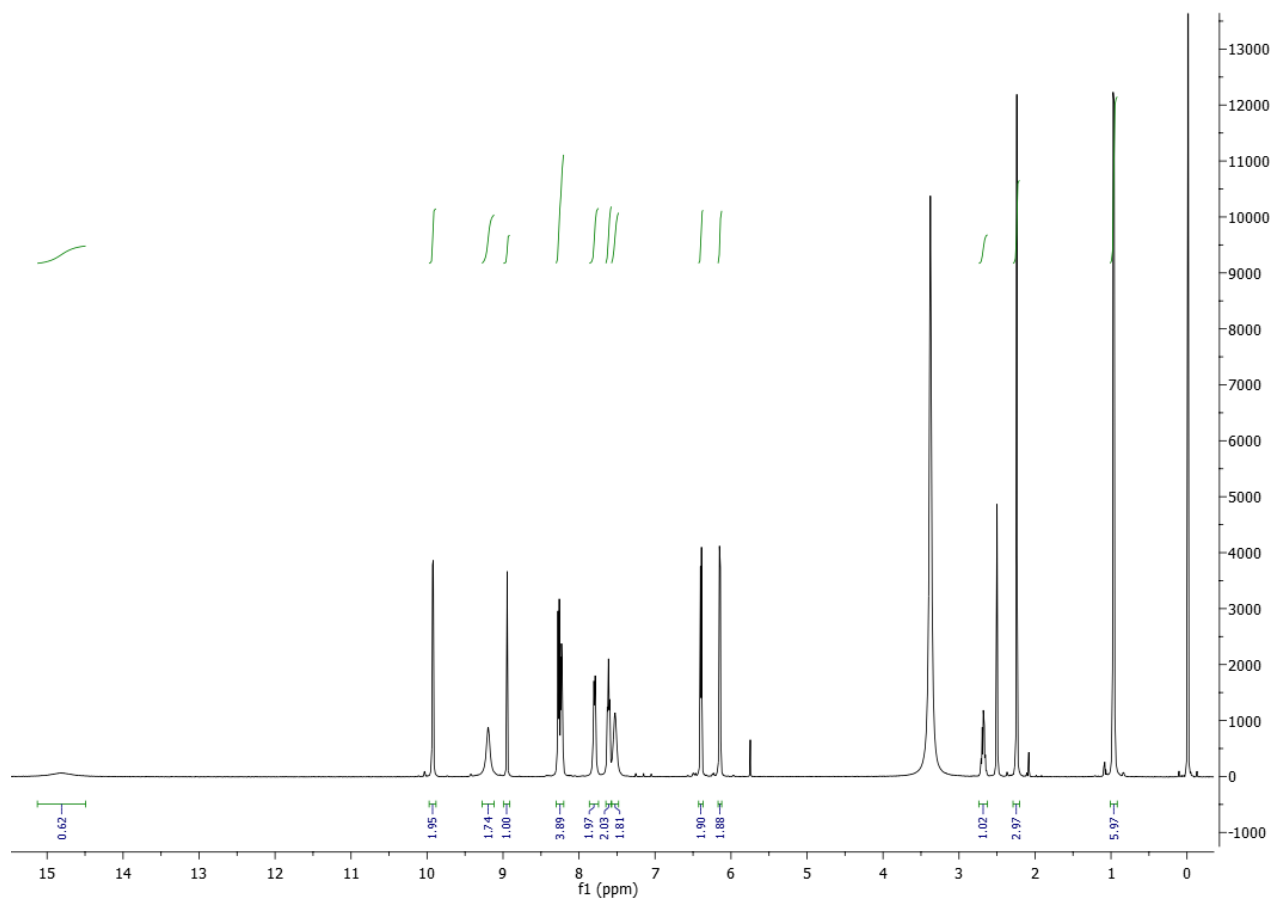
**Figure S5.**  $^{13}\text{C}$  NMR (100 MHz, DMSO- $d_6$ ) spectrum of complex **1**.



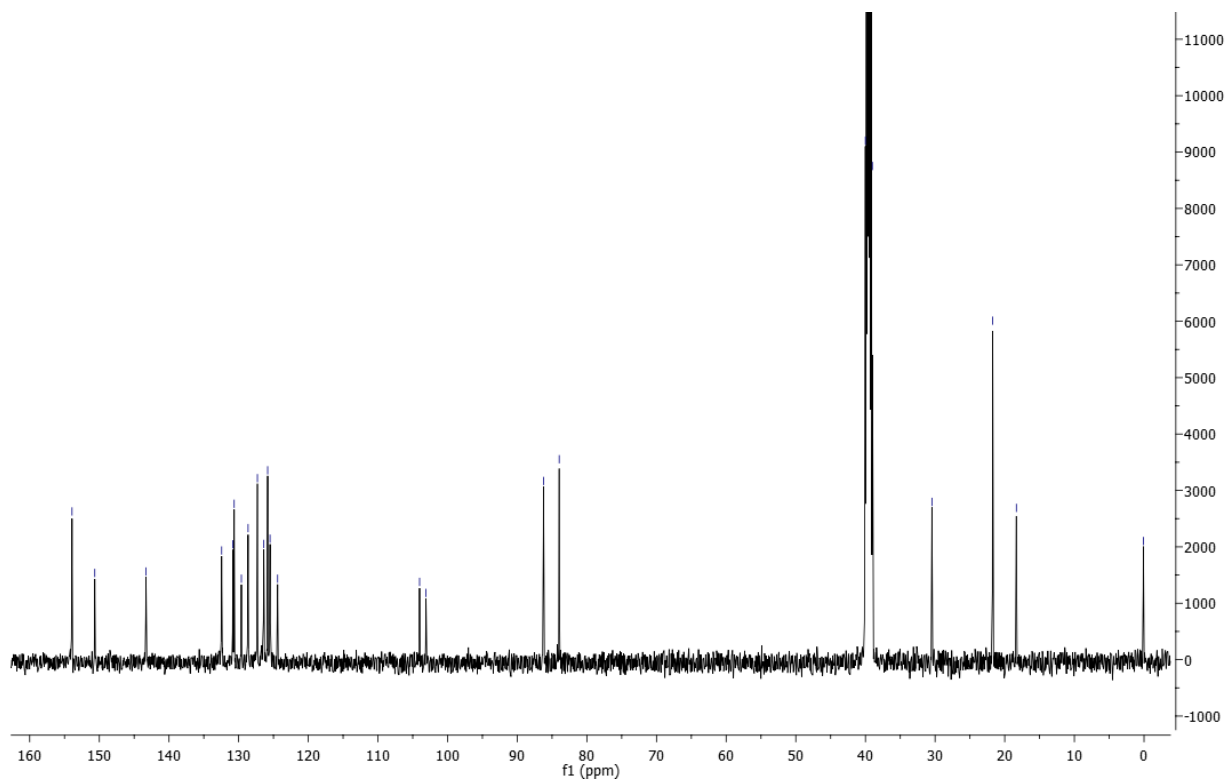
**Figure S6.**  $^1\text{H}$  NMR (500 MHz, DMSO- $d_6$ ) spectrum of complex **2**.



**Figure S7.**  $^{13}\text{C}$  NMR (125 MHz, DMSO- $d_6$ ) spectrum of complex **2**.

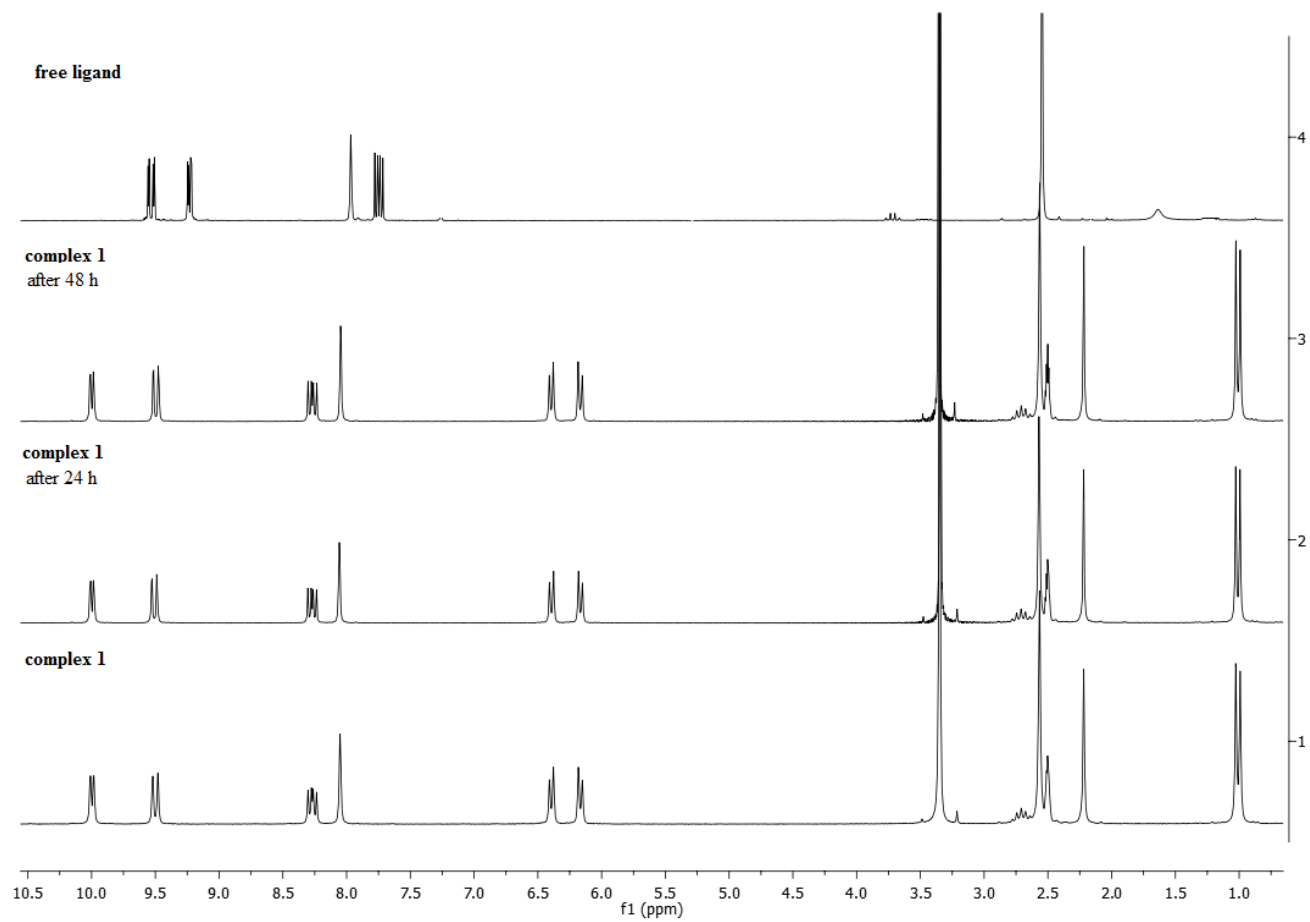


**Figure S8.**  $^1\text{H}$  NMR (500 MHz, DMSO- $d_6$ ) spectrum of complex 3.

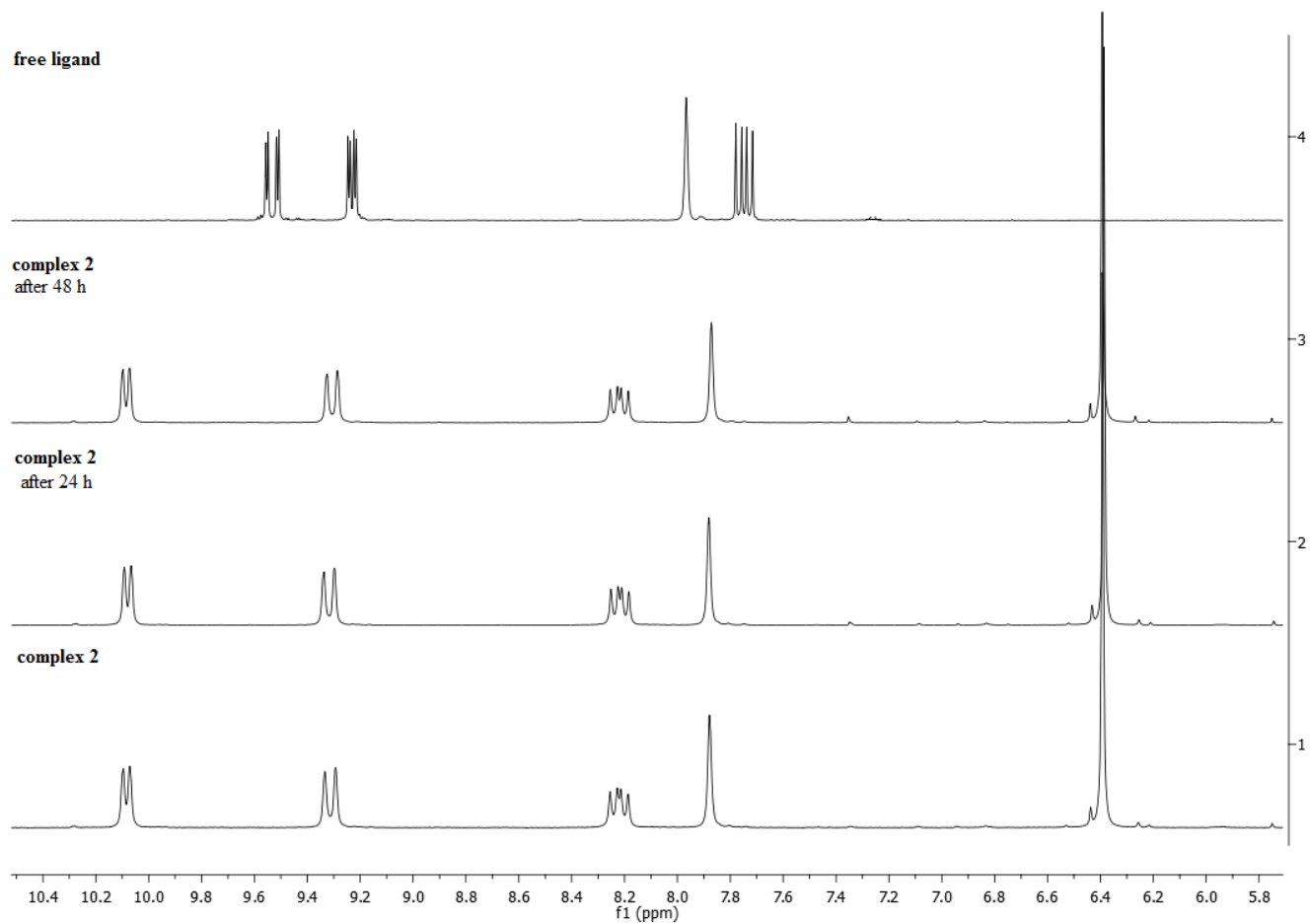


**Figure S9.**  $^{13}\text{C}$  NMR (125 MHz, DMSO- $d_6$ ) spectrum of complex 3.

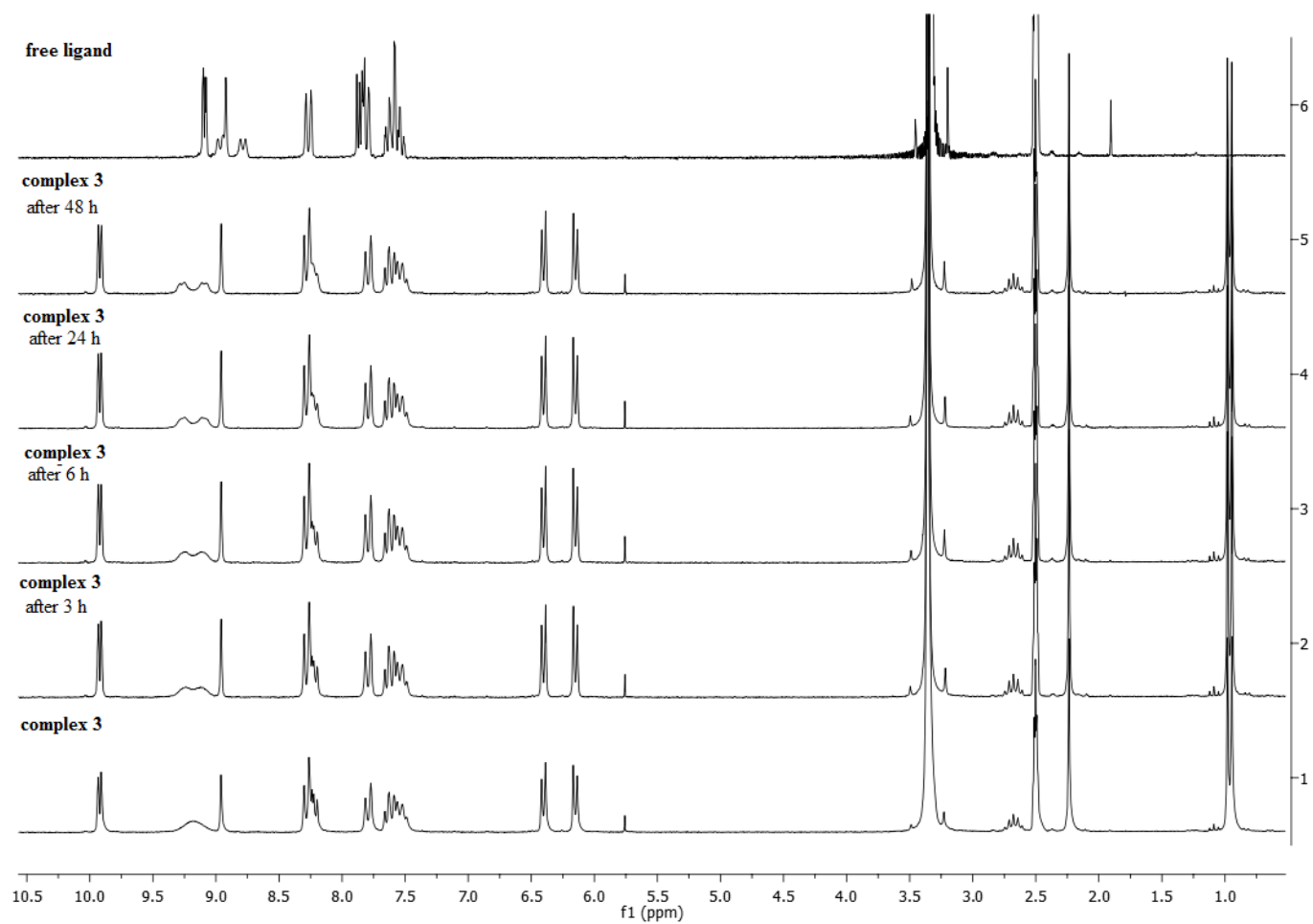




**Figure S10.** Stability of complex **1** in DMSO-d<sub>6</sub> over 48 h.



**Figure S11.** Stability of complex **2** in DMSO-d<sub>6</sub> over 48 h.



**Figure S12.** Stability of complex **3** in DMSO-d<sub>6</sub> over 48 h.