

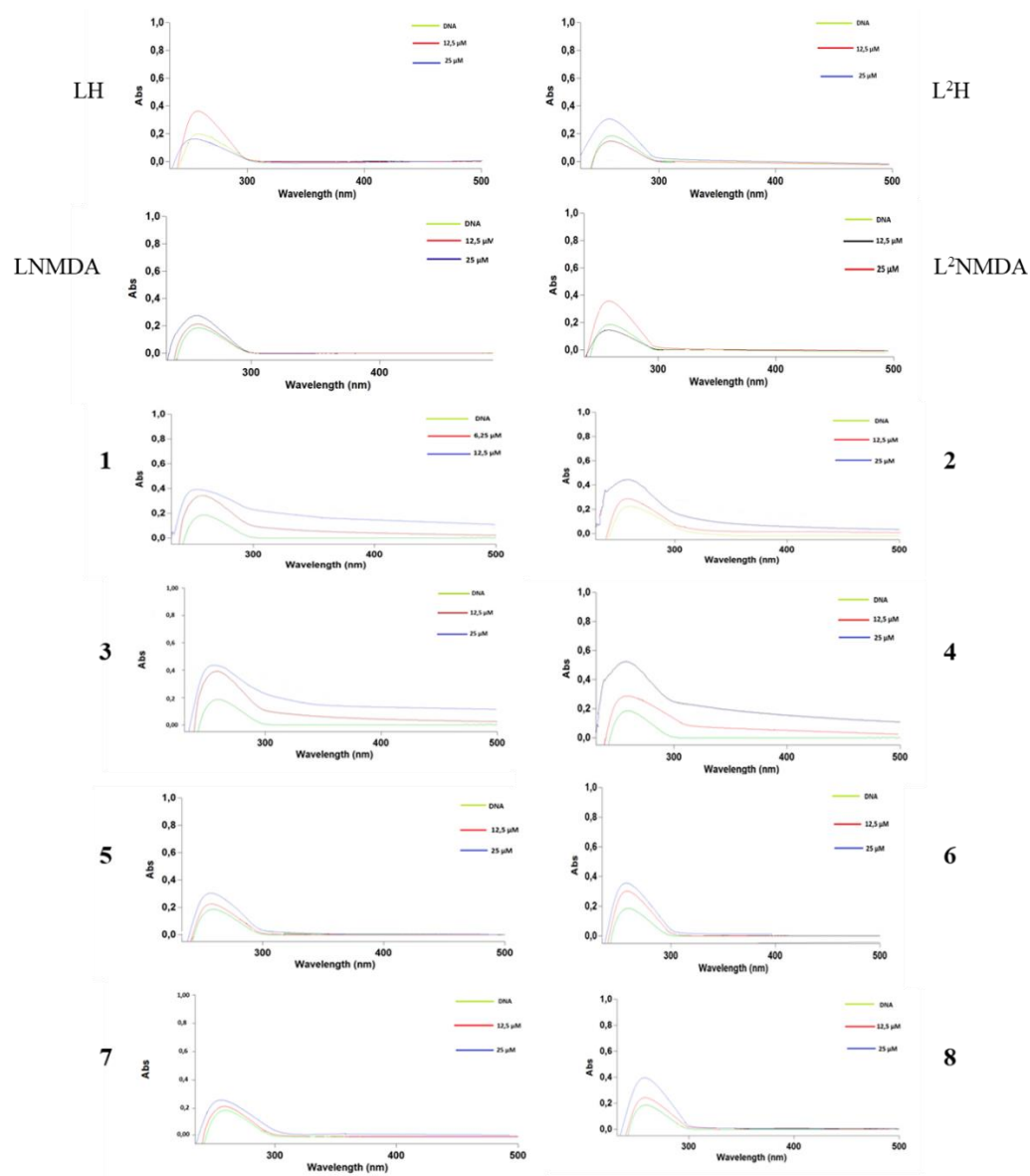
(Supplementary material)

**Synthesis and cytotoxic activity evaluation of new Cu(I) complexes of bis(pyrazol-1-yl)acetate ligands functionalized with an NMDA receptor antagonist**

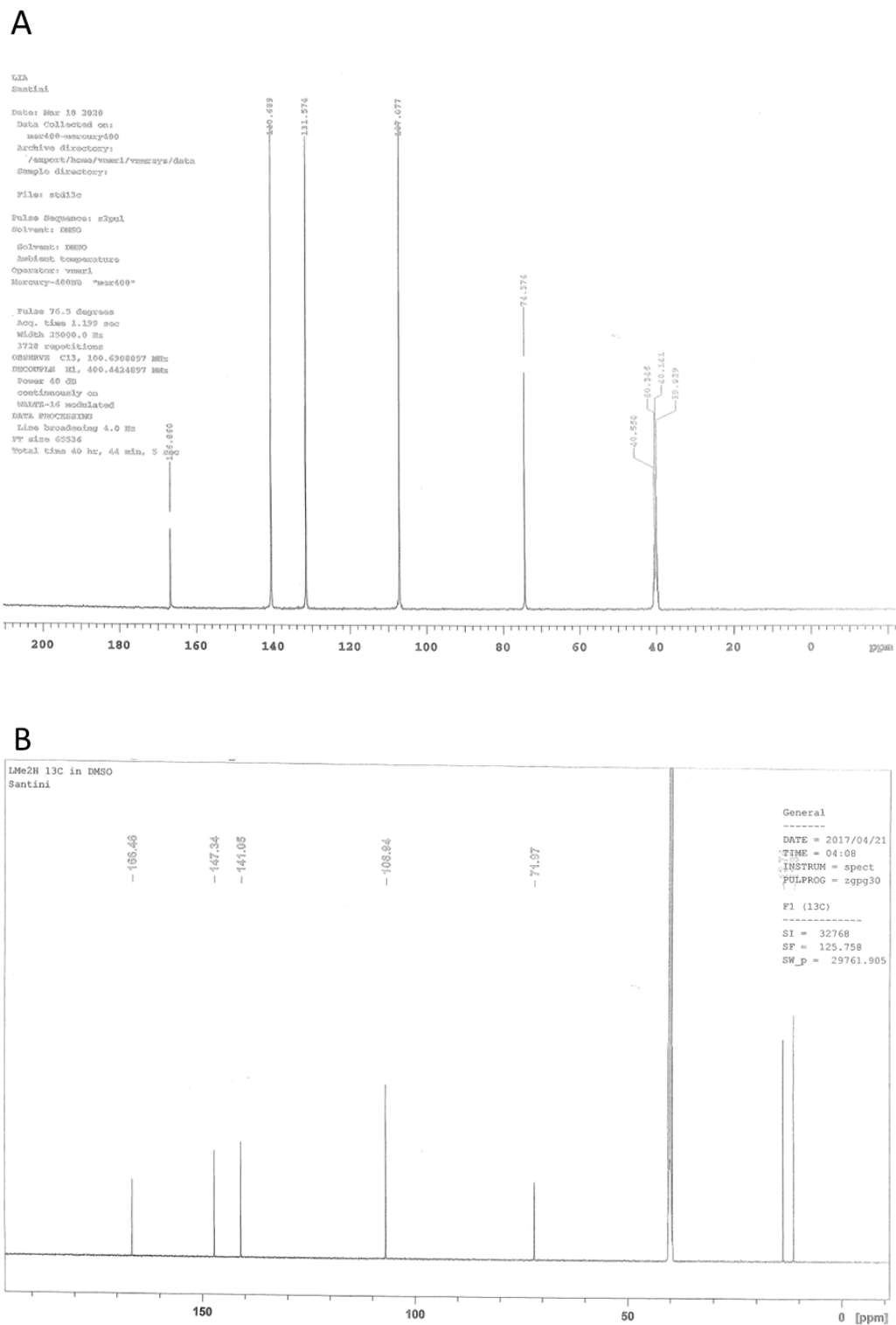
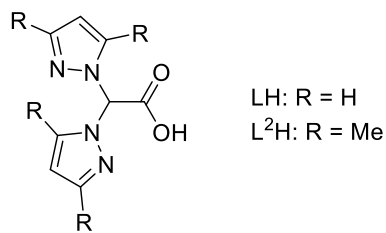
Maura Pellei, Luca Bagnarelli, Lorenzo Luciani, Fabio Del Bello,\* Gianfabio Giorgioni, Alessandro Piergentili, Wilma Quaglia, Michele De Franco, Valentina Gandin,\* Cristina Marzano, Carlo Santini

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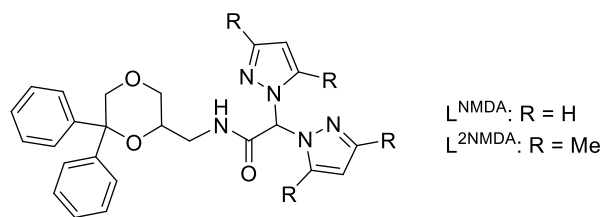
- Figure S1:** Spectra of solutions containing CT-DNA (0.14 mM) and increasing concentrations of ligands and related complexes **1-8** in Tris-HCl buffer, pH =7.3.
- Figure S2:**  $^{13}\text{C}$  NMR spectra of  $\text{L}^{\text{H}}$  and  $\text{L}^2\text{H}$ .
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- Figure S9:**  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR and C/H COSY spectra of **8**.



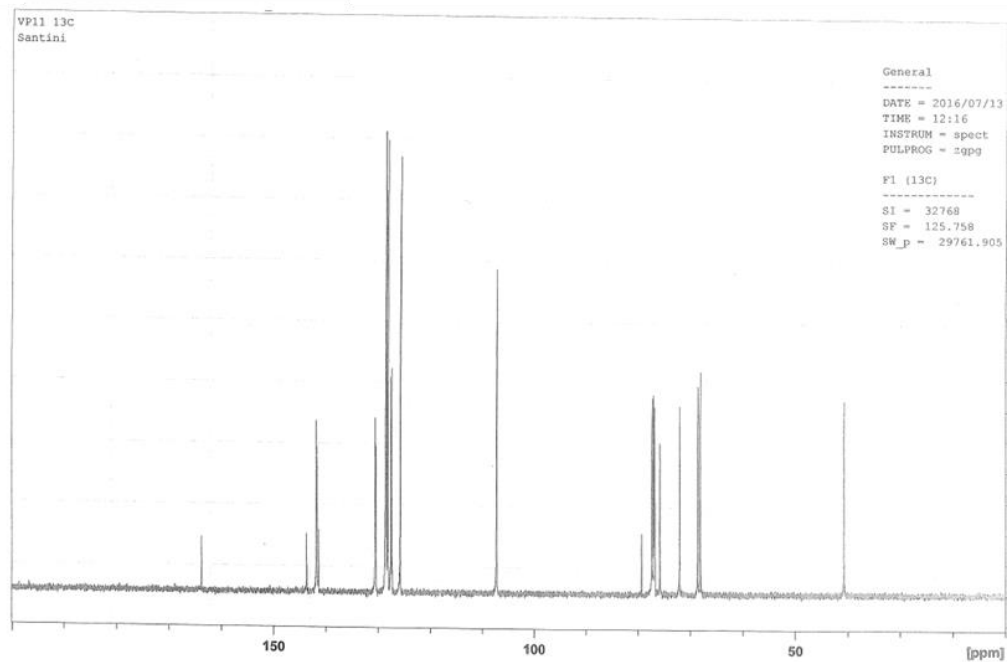
**Figure S1.** Spectra of solutions containing CT-DNA (0.14 mM) and increasing concentrations of ligands and related complexes **1-8** in Tris-HCl buffer, pH =7.3.



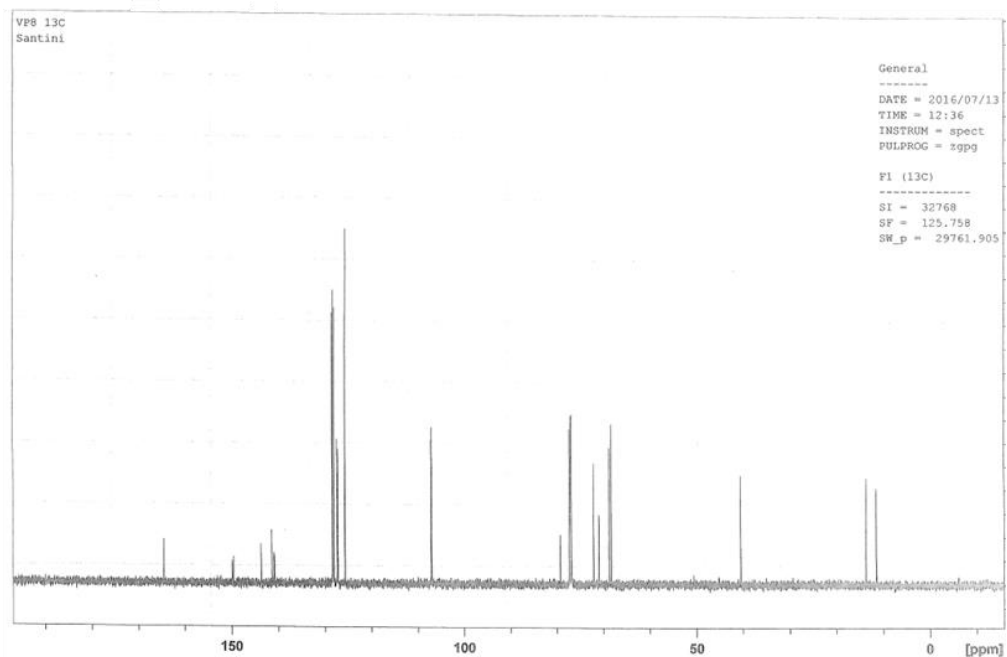
**Figure S2.** <sup>13</sup>C NMR spectra of (A) LH and (B) L<sup>2</sup>H.



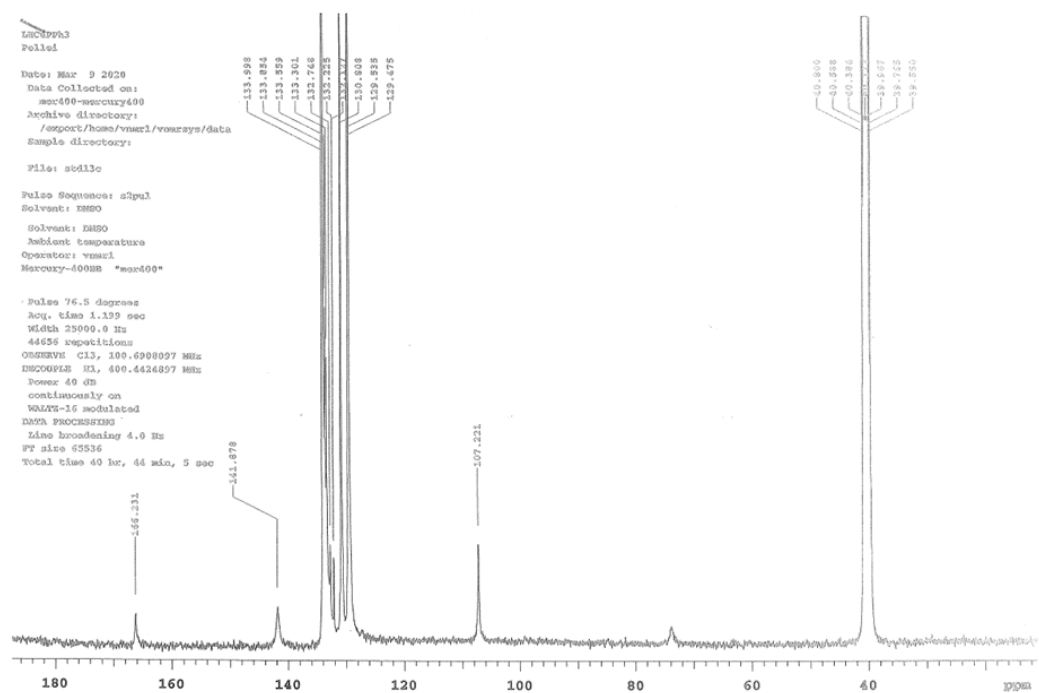
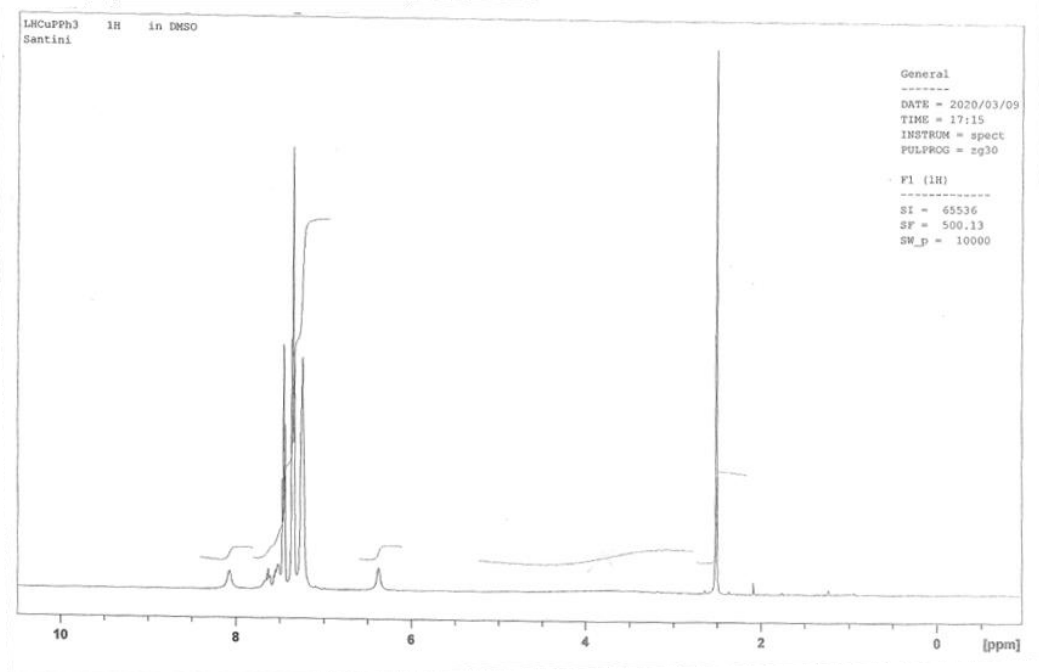
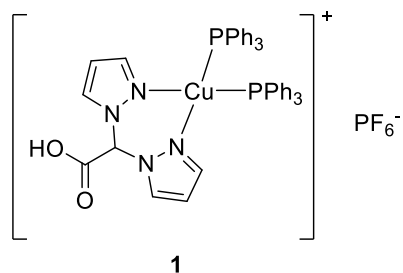
**A**



**B**

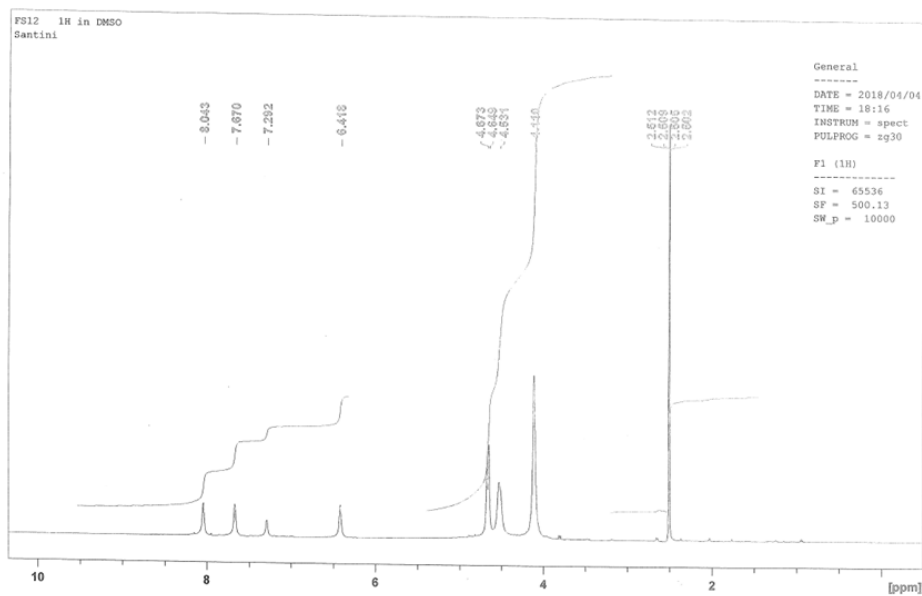
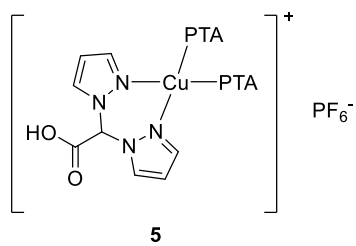


**Figure S3:**  $^{13}\text{C}$  NMR spectra of (A)  $L^{NMDA}$  and (B)  $L^{2NMDA}$ .

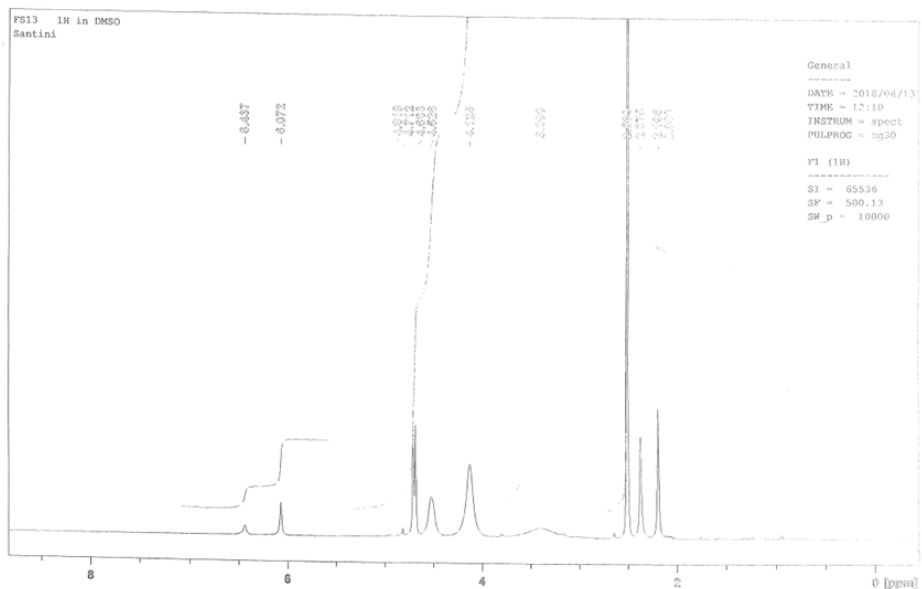
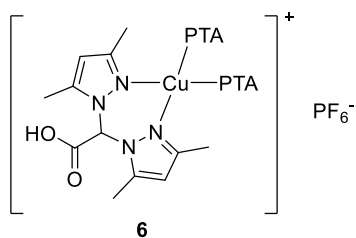


**Figure S4:**  $^1\text{H}$  NMR and  $^{13}\text{C}$  NMR spectra of **1**

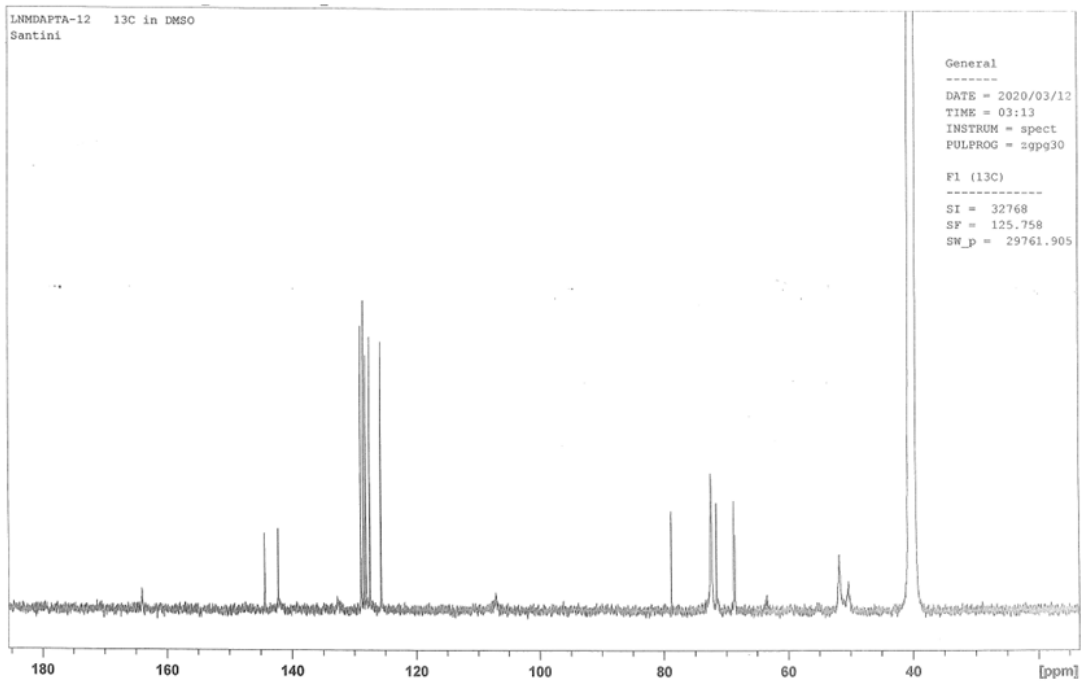
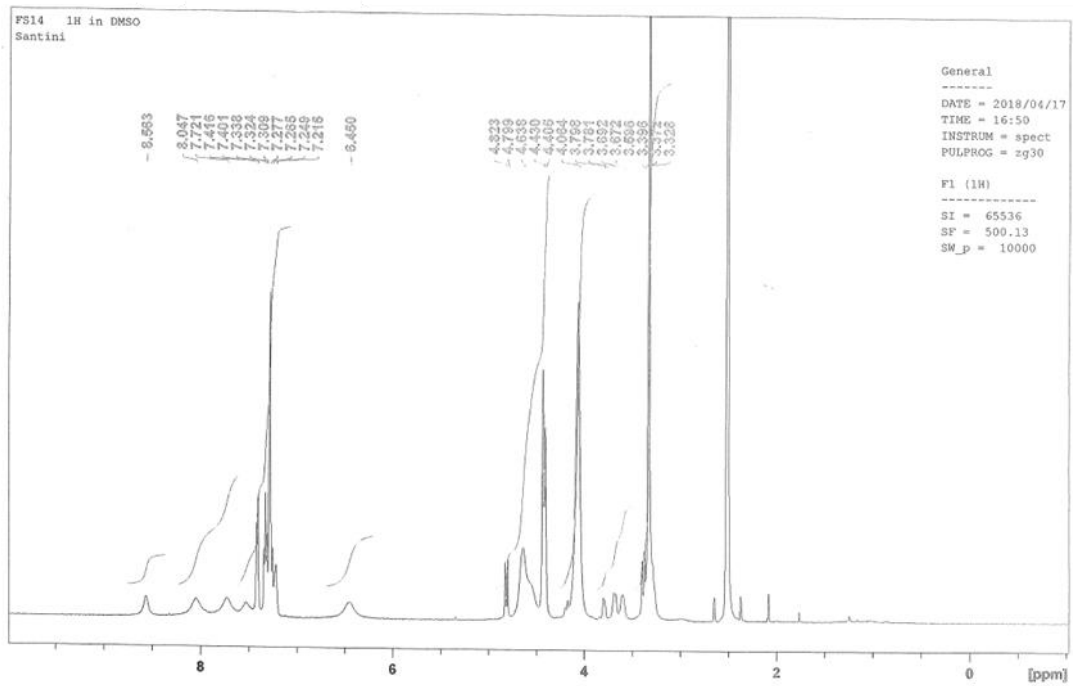
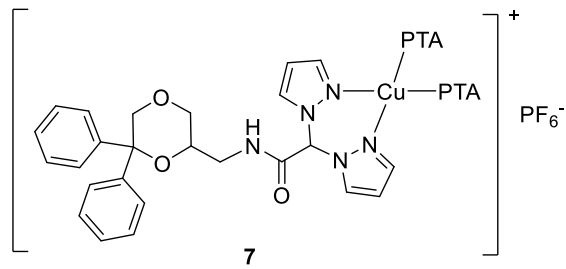




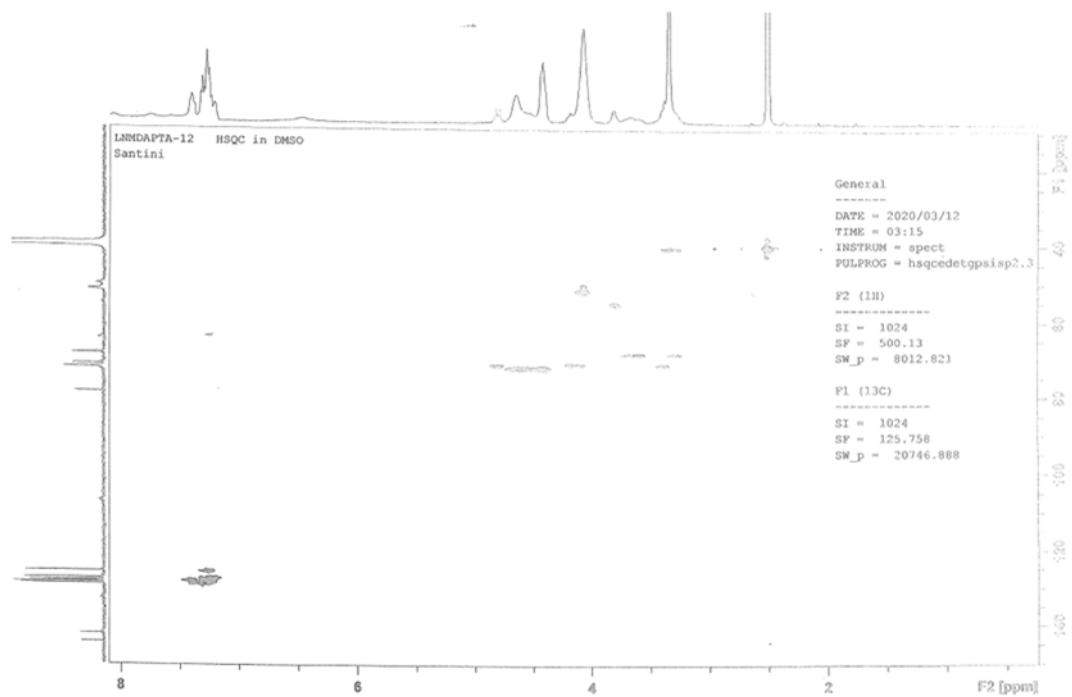
**Figure S6:**  $^1\text{H}$  NMR spectrum of **5**



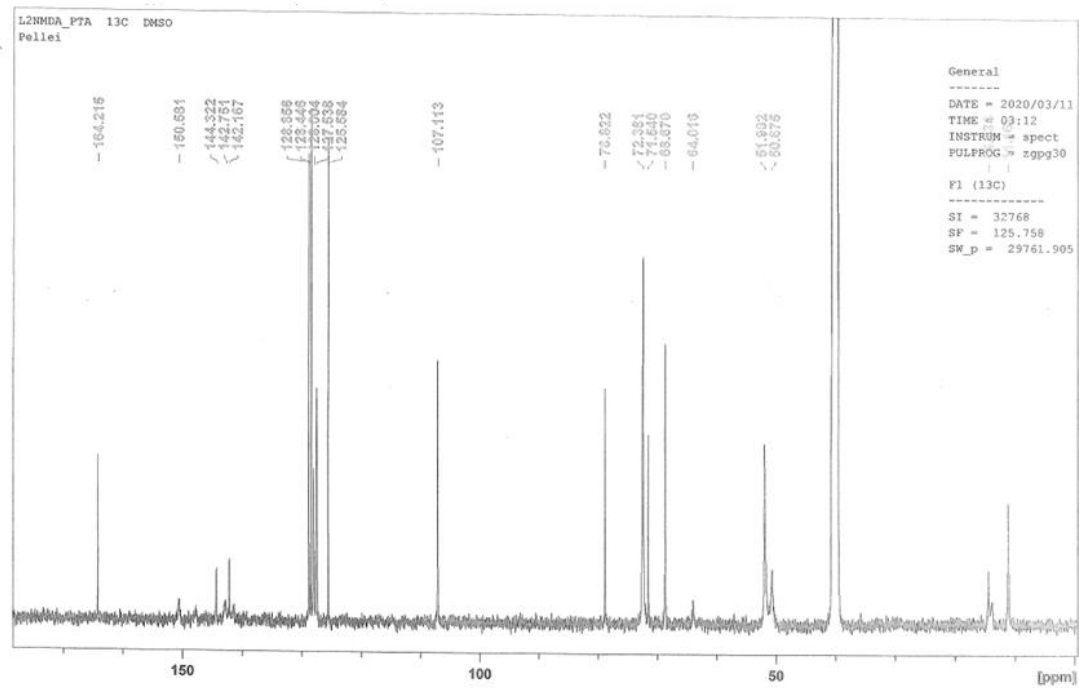
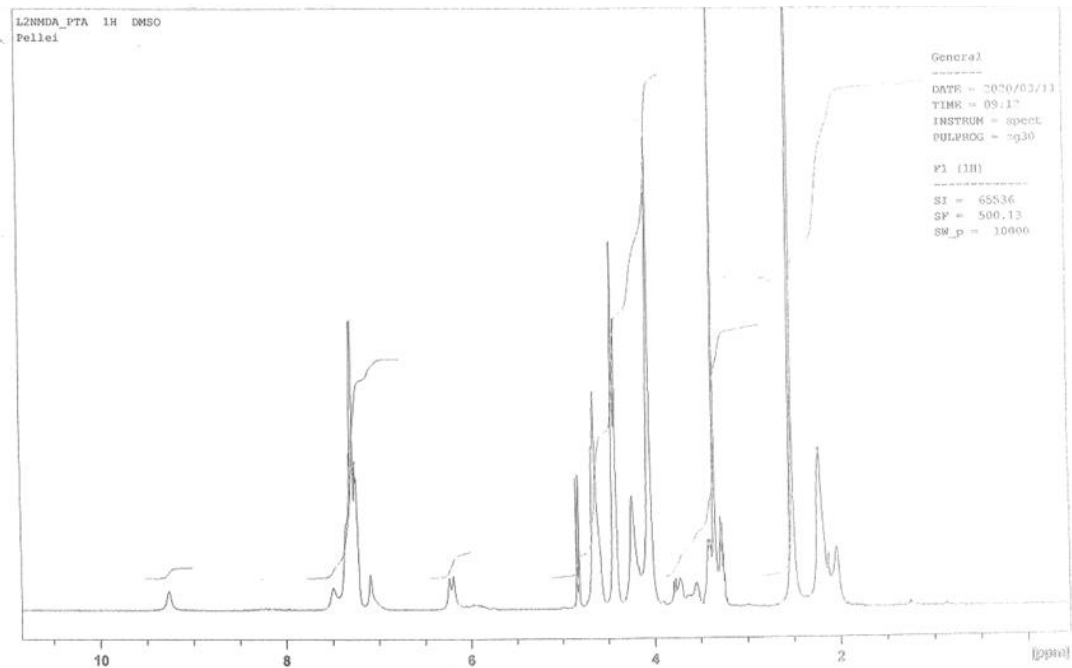
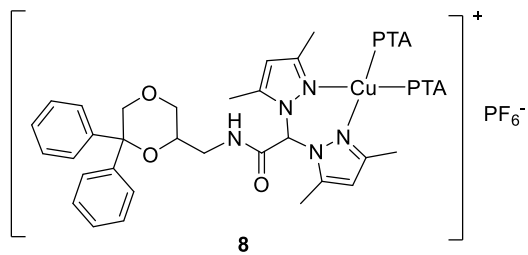
**Figure S7:**  $^1\text{H}$  NMR spectrum of **6**

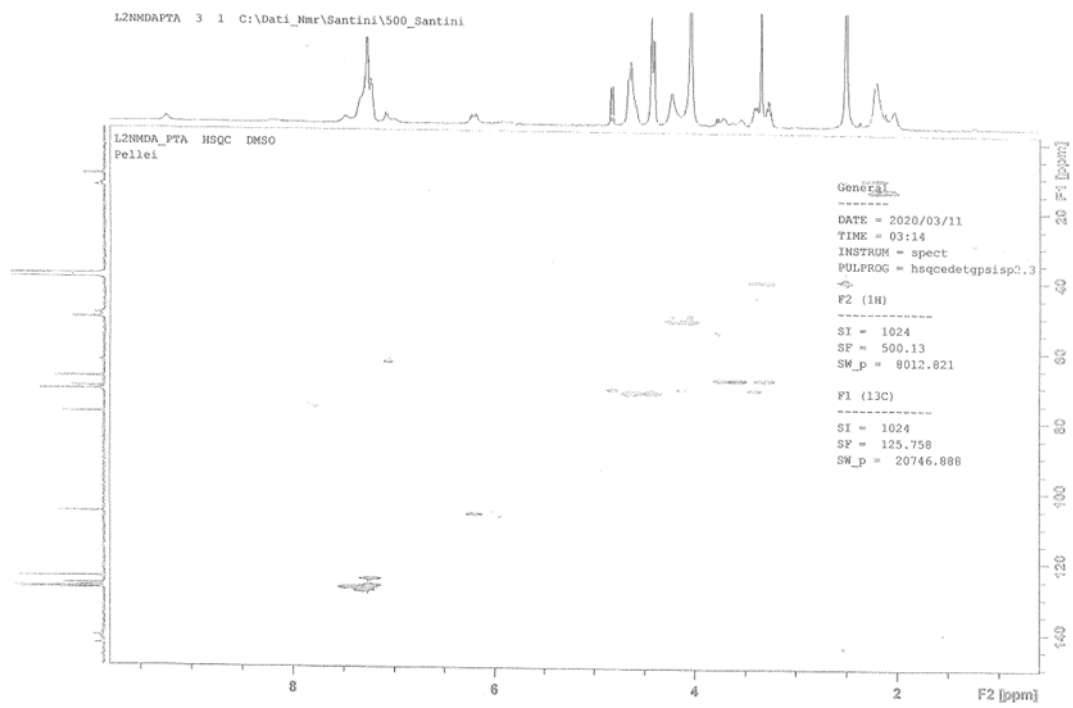






**Figure S8:**  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR and C/H COSY spectra of **7**





**Figure S9:**  $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR and C/H COSY spectra of **8**