

## Electronic Supplementary Information

**Mixed ligand silver(I) complexes with anti-inflammatory agents which can bind to lipoxygenase and calf-thymus-DNA, modulating their function and inducing apoptosis.**

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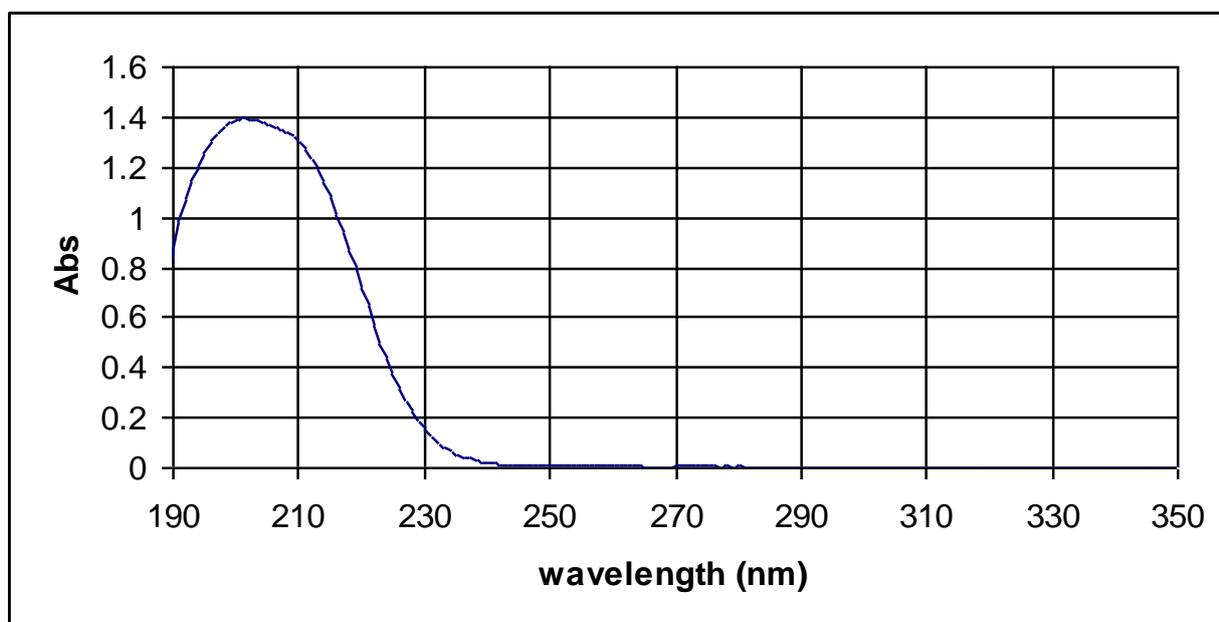
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<sup>[f]</sup> Department of Physiology, Democritus University Medical School, Greece.

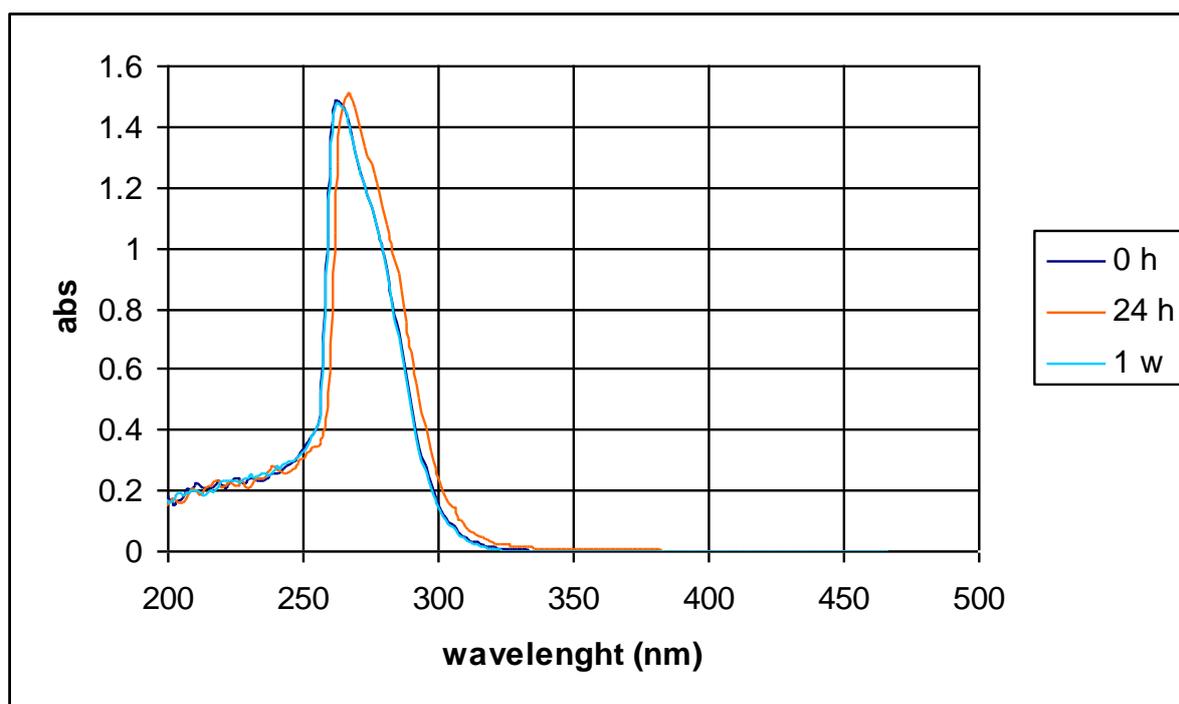
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fax xx30-26510-08786

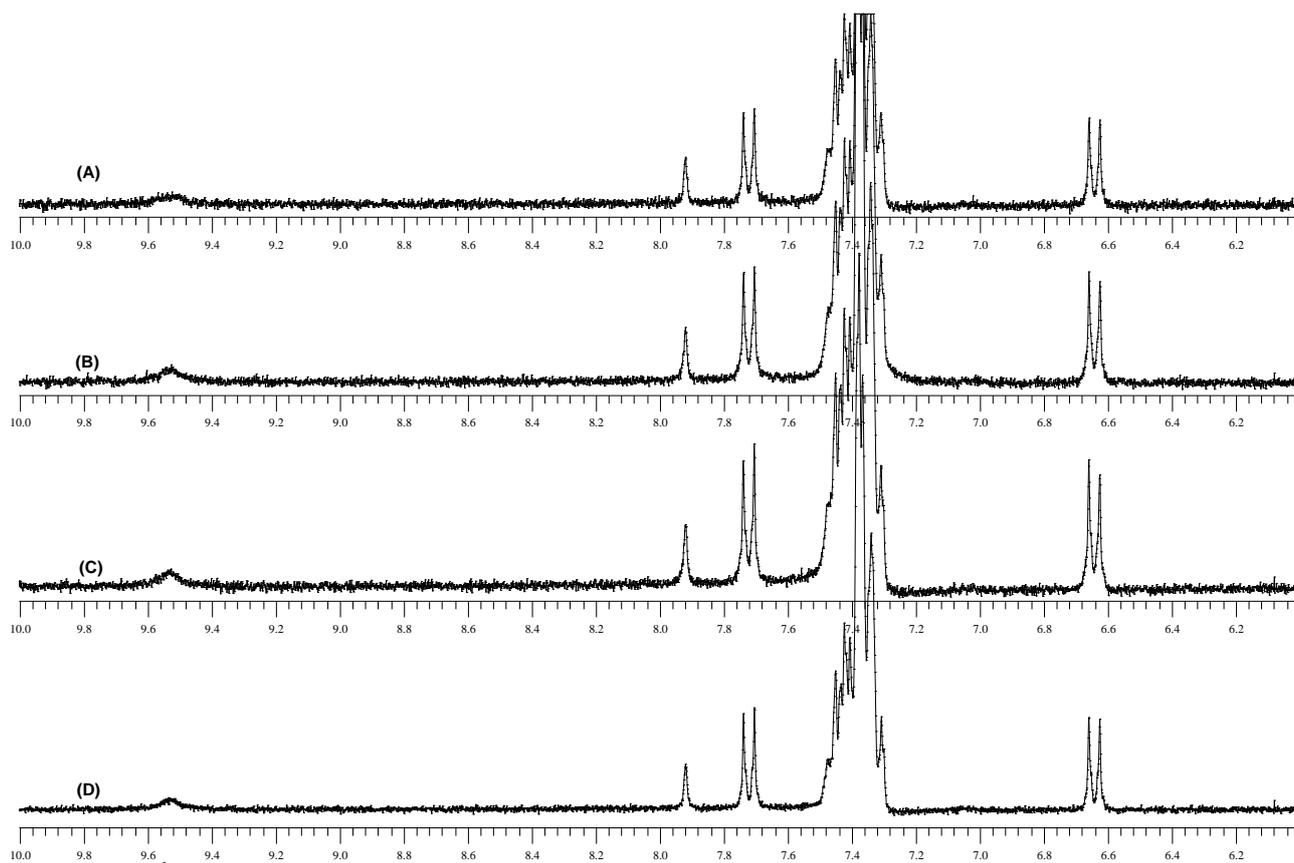


(A)

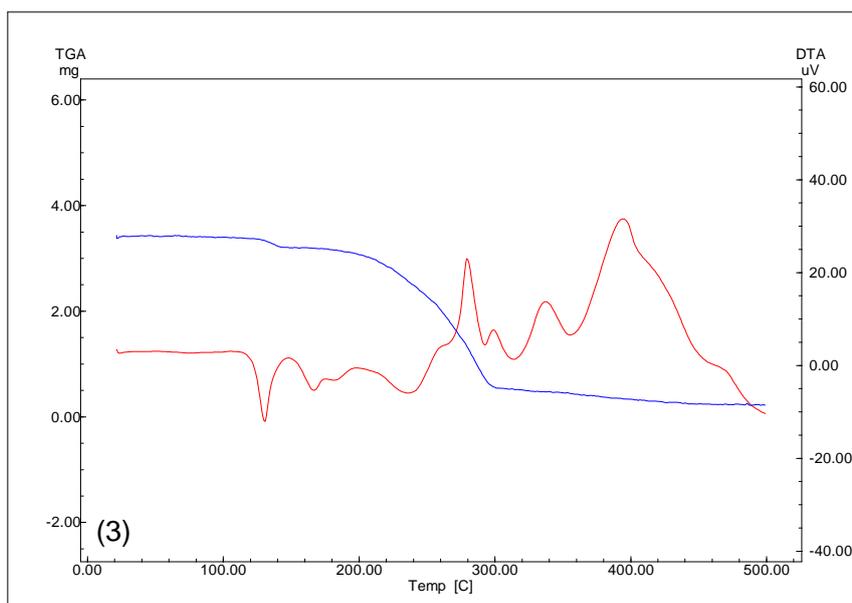
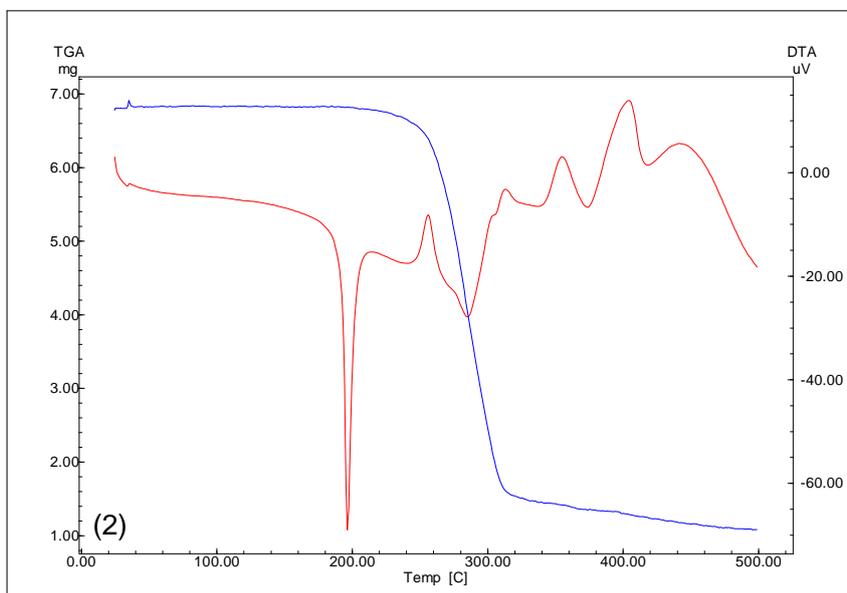
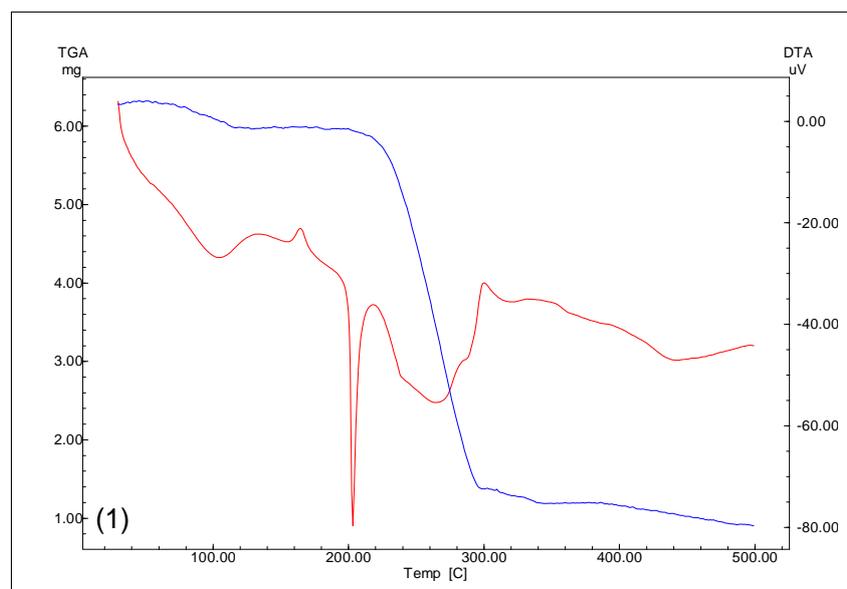


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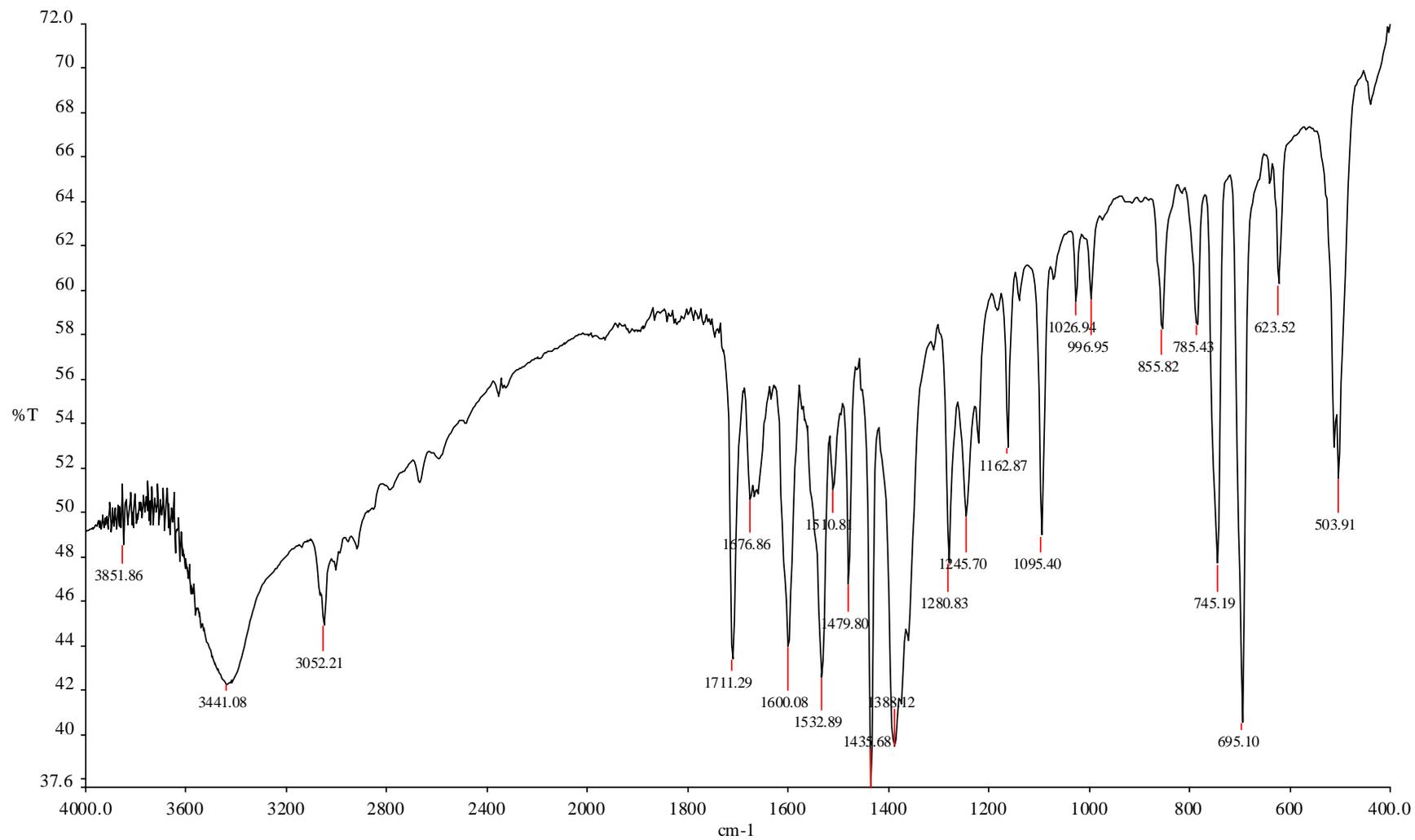
**Figure S1.** (A) UV spectrum of **1** in water. (B) UV spectrum of **1** (—) and the corresponding ones measured after 24 h (—) and after 1 week (—).



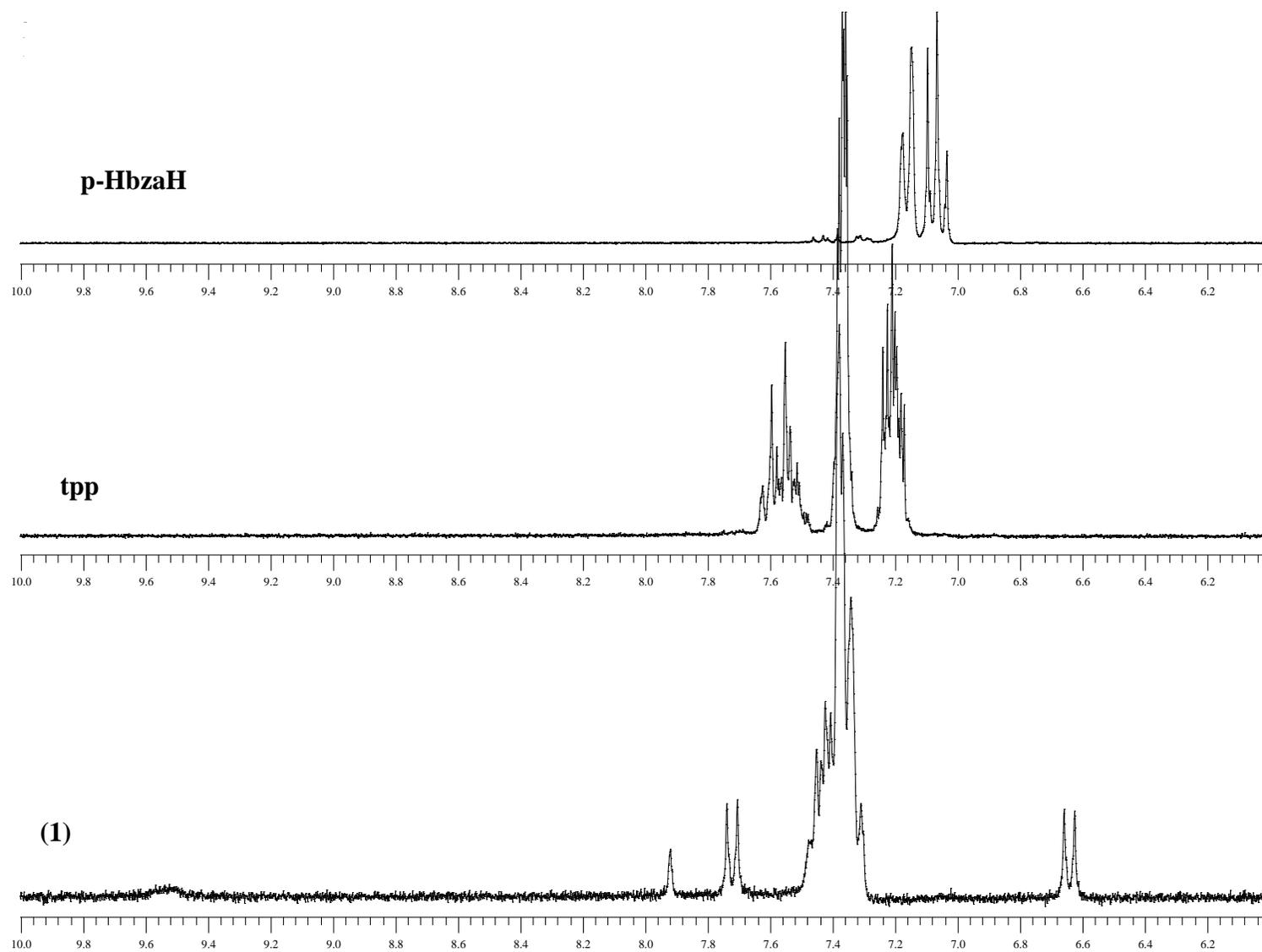
**Figure S2.** <sup>1</sup>H-NMR spectrum of **1** (A) and the corresponding ones measured after 24 h (B), 48 (C) and after 1 week (D).



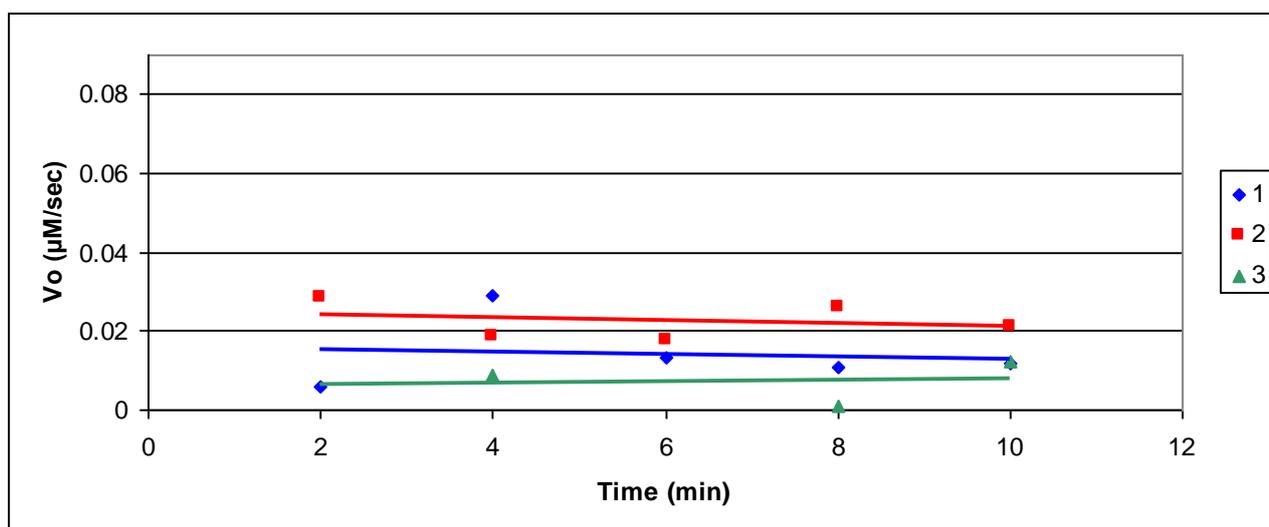
**Figure S3.** TG-DTA diagrams of complexes **1-3**.



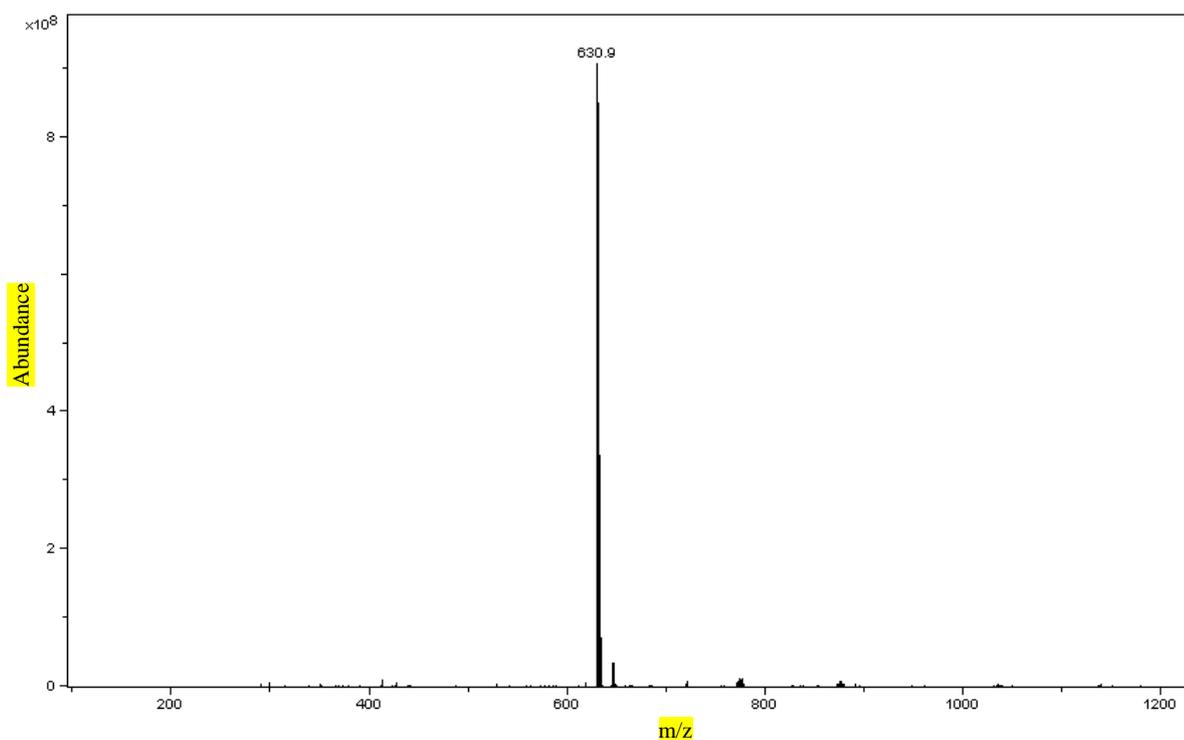
**Figure S4** FT-IR spectrum of **1**.



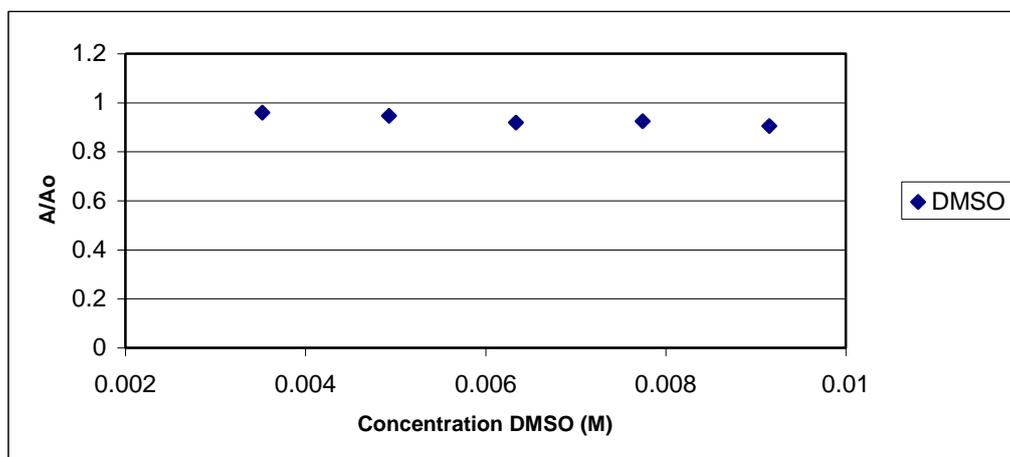
**Figure S5.** <sup>1</sup>H-NMR spectrum of the p-HbzaH, tpp and **1**.



**Figure S6.** Initial rate ( $v_o$ ) of the peroxidation reaction of linoleic acid catalyzed by LOX vs incubation time in the presence of constant concentration of the inhibitor ( $IC_{50}$ ).



**Figure S7.** ESI-MS spectrum of **1**.



**Figure S8.** Absorbance of CT-DNA in the absence of DMSO ( $A_o$ ) and in the presence of various concentrations of DMSO ( $A$ ).