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Supplementary data for article:

Pantelic, N.; Stanojkovic, T. P.; Zmejkovski, B. B.; Sabo, T. J.; Kaluerovic, G. N. In Vitro Anticancer Activity of Gold(III) Complexes with Some Esters of (S, S)-Ethylenediamine-N, N G2-Di-2-Propanoic Acid. *European Journal of Medicinal Chemistry* **2015**, *90*, 766–774. https://doi.org/10.1016/j.ejmech.2014.12.019

Supplementary material

Preparation and *in vitro* activity of gold(III) complexes with some esters of (*S*,*S*)-ethylenediamine-*N*,*N*'-di-2-propanoic acid

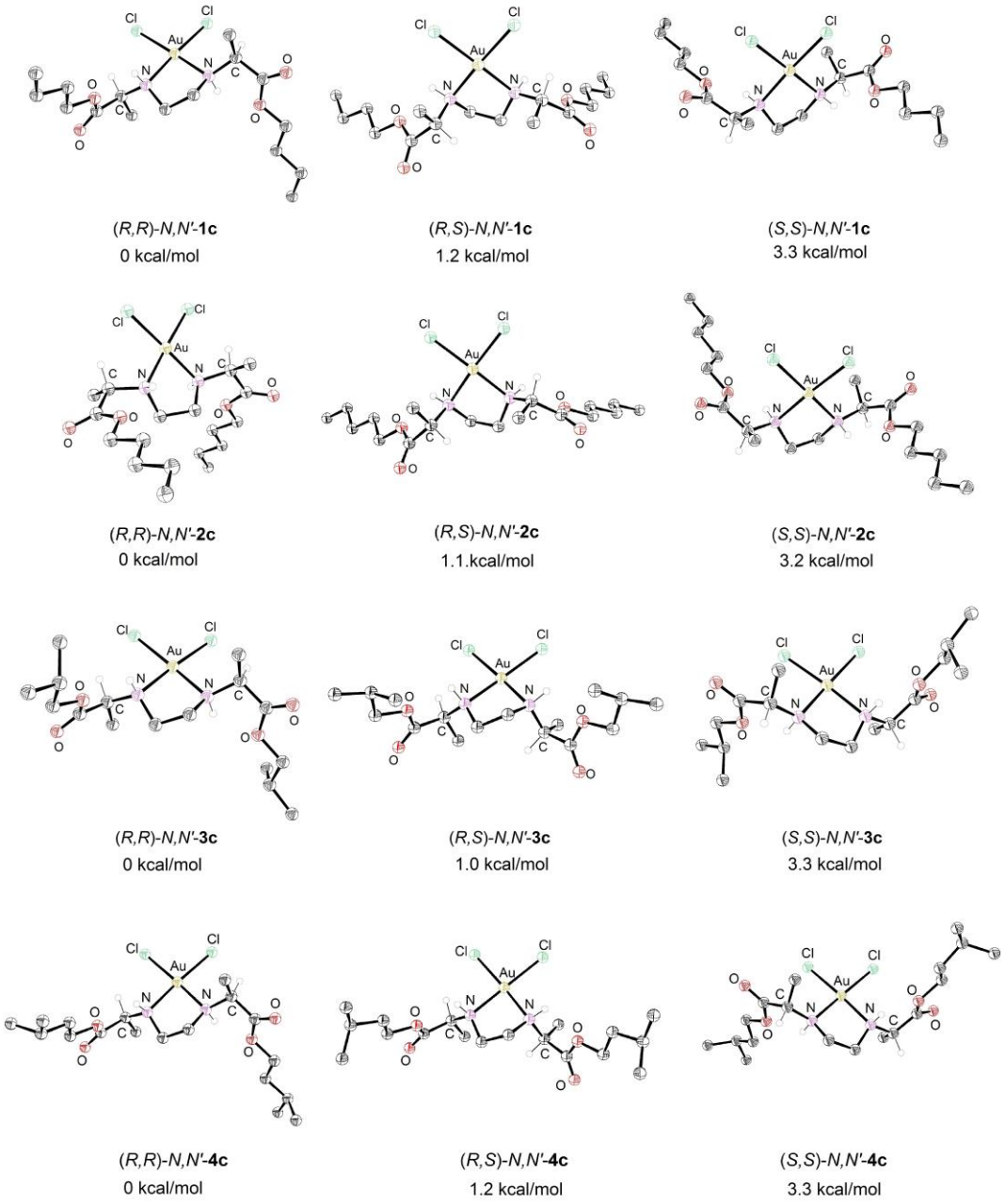

Fig. S1. Calculated structures of **1c**–**4c**. H atoms, except those bonded to chiral atoms, are omitted for clarity.

Characterization of complex **3** as an example:

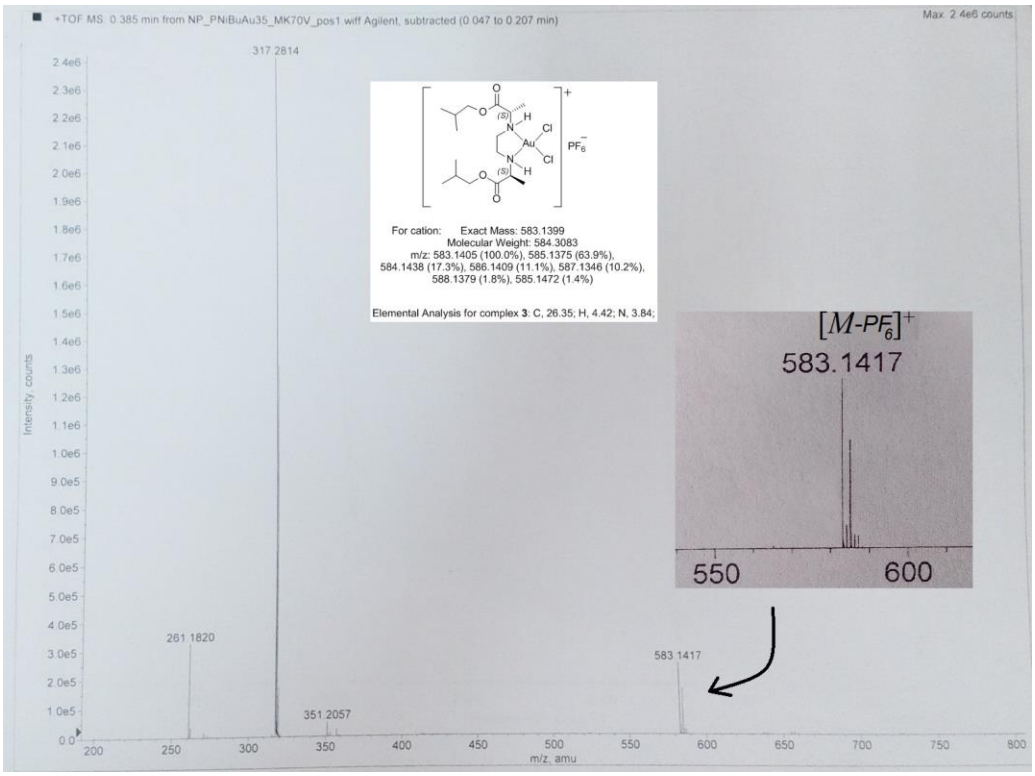

Fig. S2. ESI-MS for **3**.

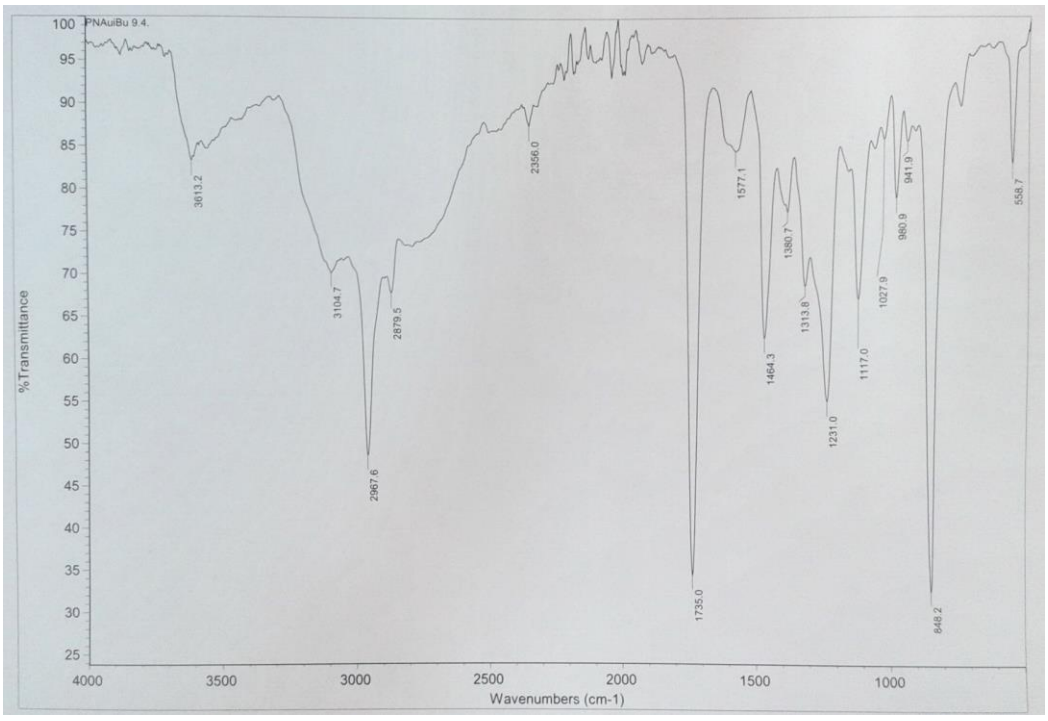

Fig. S3. FT-IR spectrum of **3**.

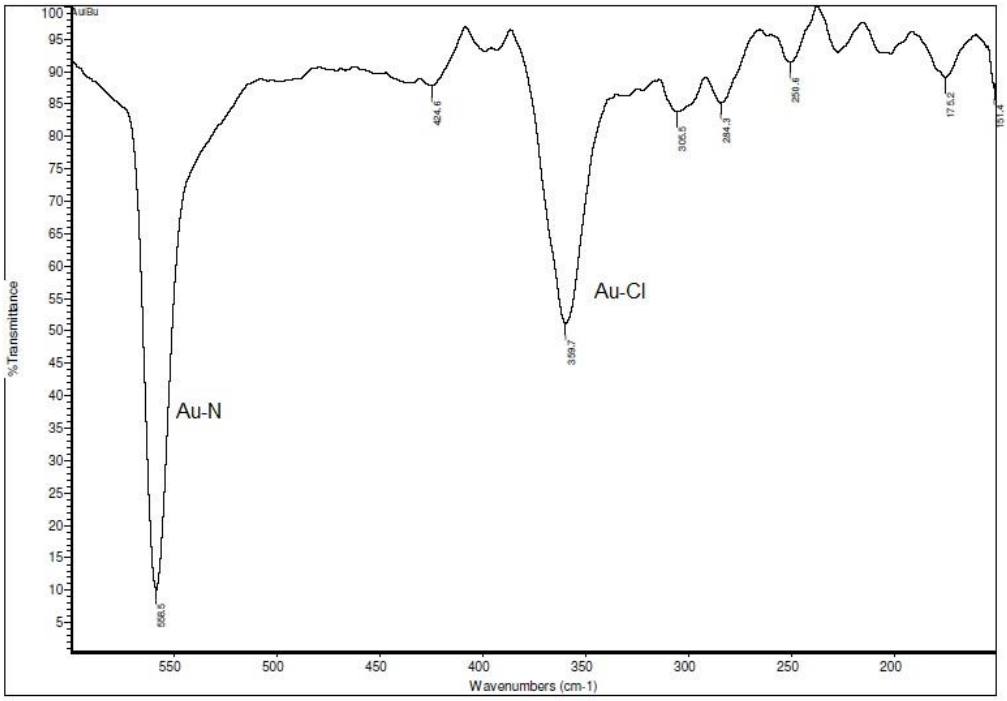

Fig. S4. Far FT-IR spectrum of **3**.

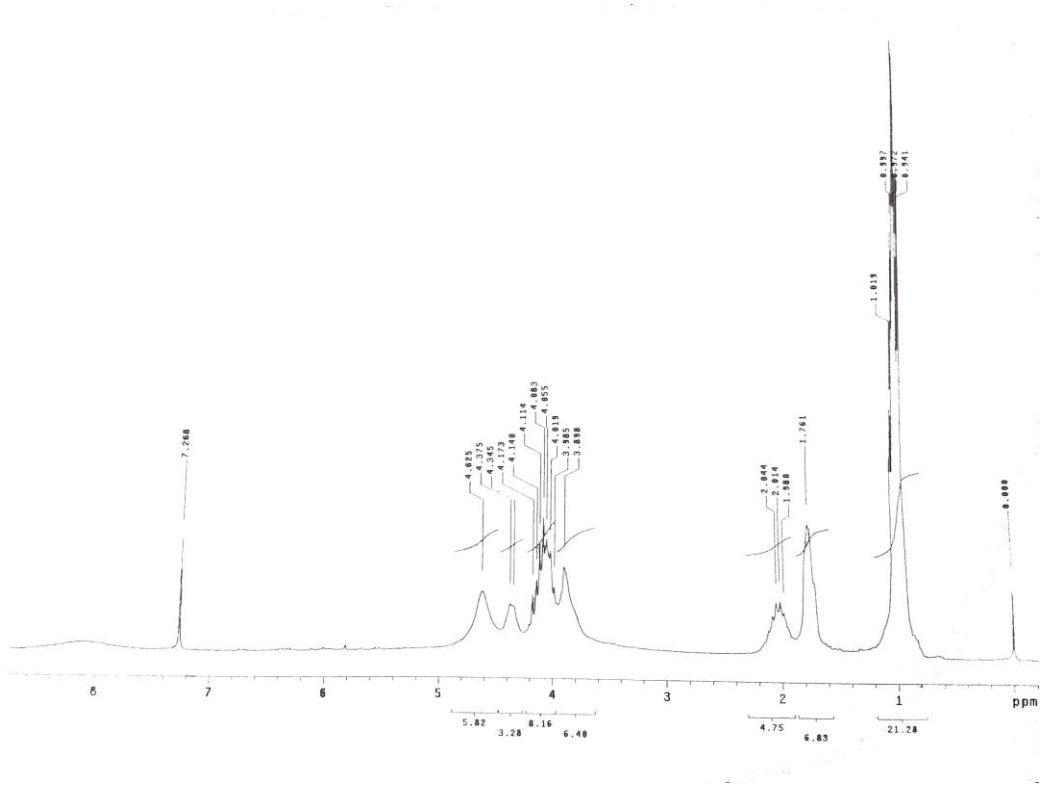

Fig. S5. ^{1}H NMR spectrum of **3**.

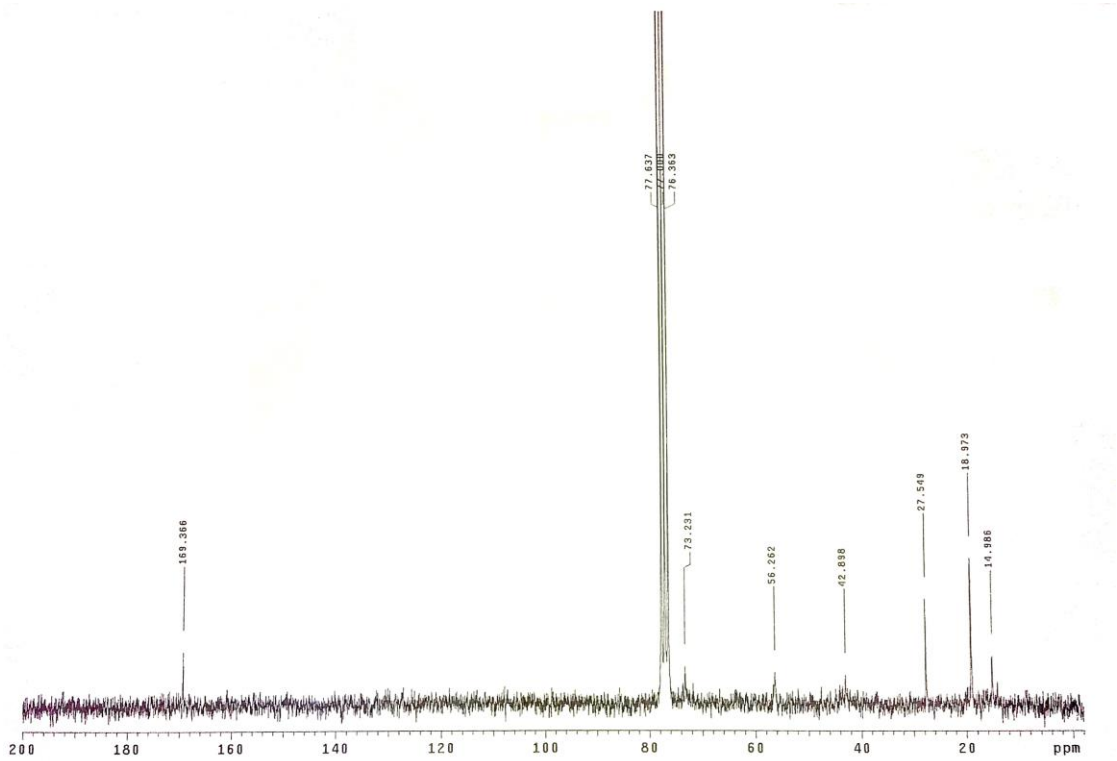

Fig. S6. ^{13}C NMR spectrum of **3**.

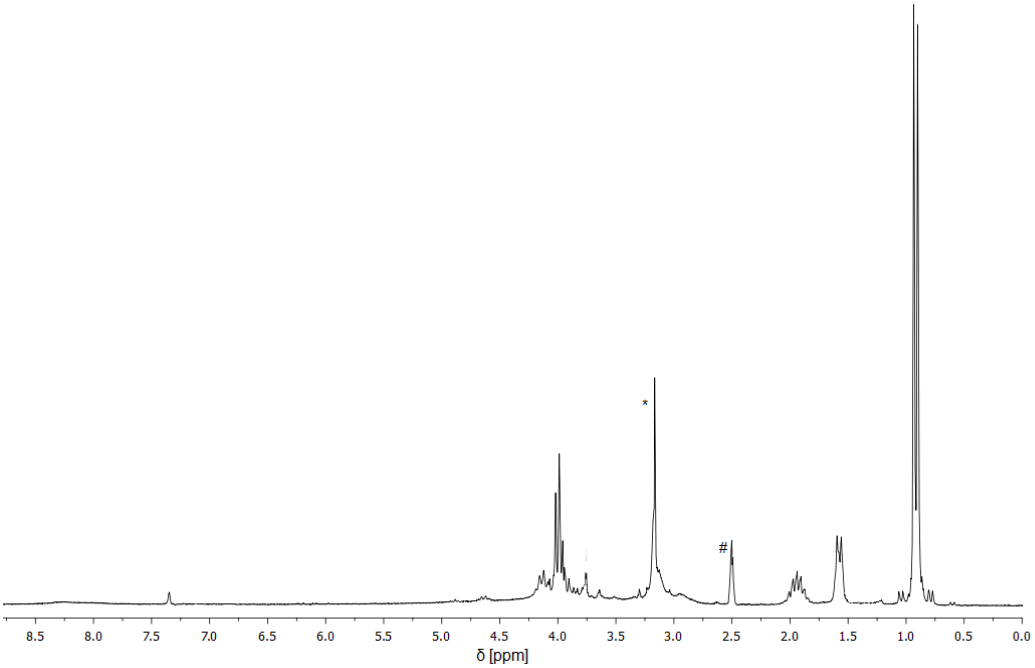

Fig. S7. ^{1}H NMR spectrum of **3** in DMSO-d_6 ($^{\#}$solvent; *water).

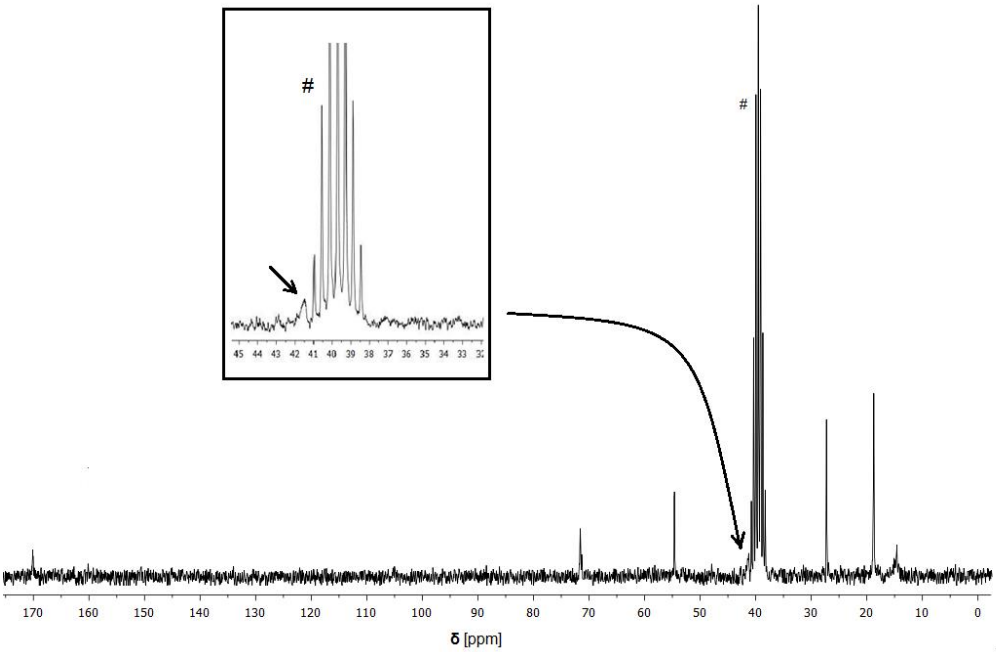

Fig. S8. ^{13}C NMR spectrum of **3** in DMSO-d_6 ($^{\#}$solvent).

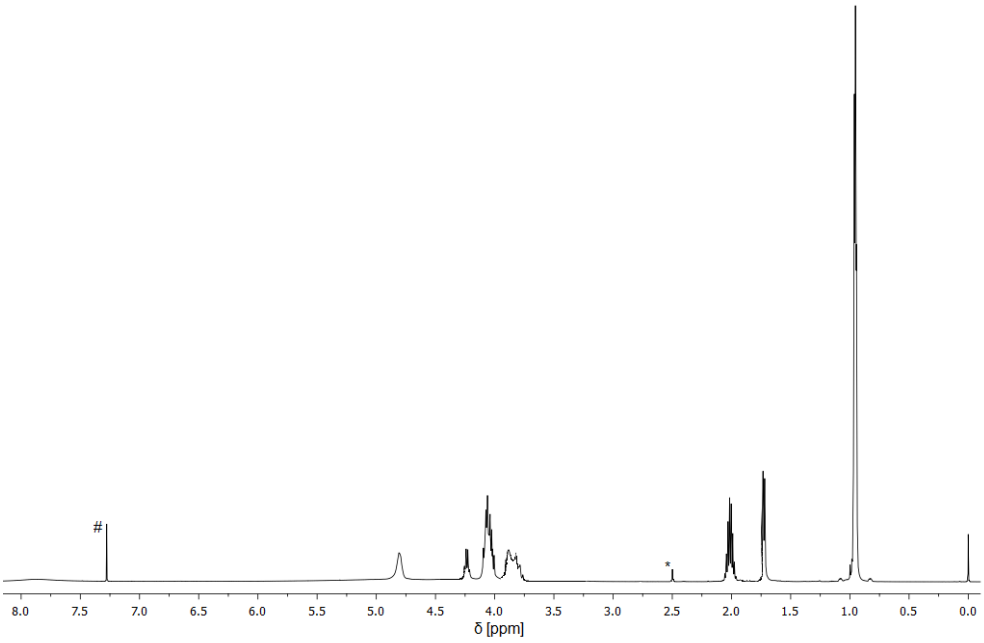

Fig. S9. ^{1}H NMR (500 MHz) spectrum of **3** in $CDCl_3$ ($^{\#}$solvent; *water).

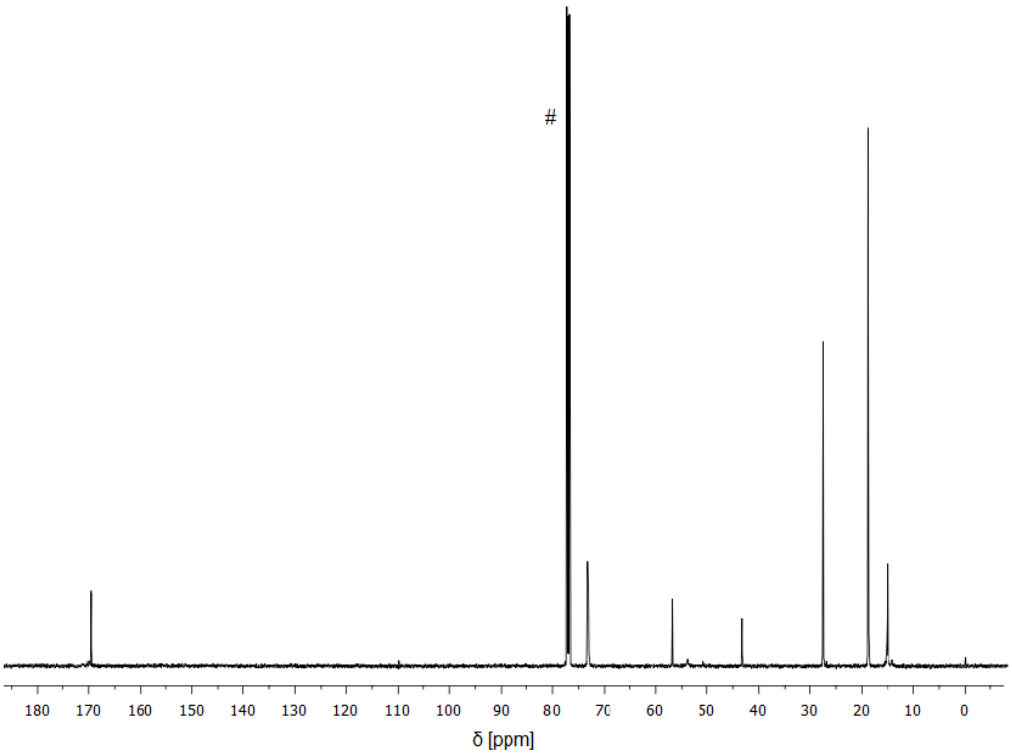

Fig. S10. ^{13}C NMR (500 MHz) spectrum of **3** in $CDCl_3$ ($^{\#}$solvent).

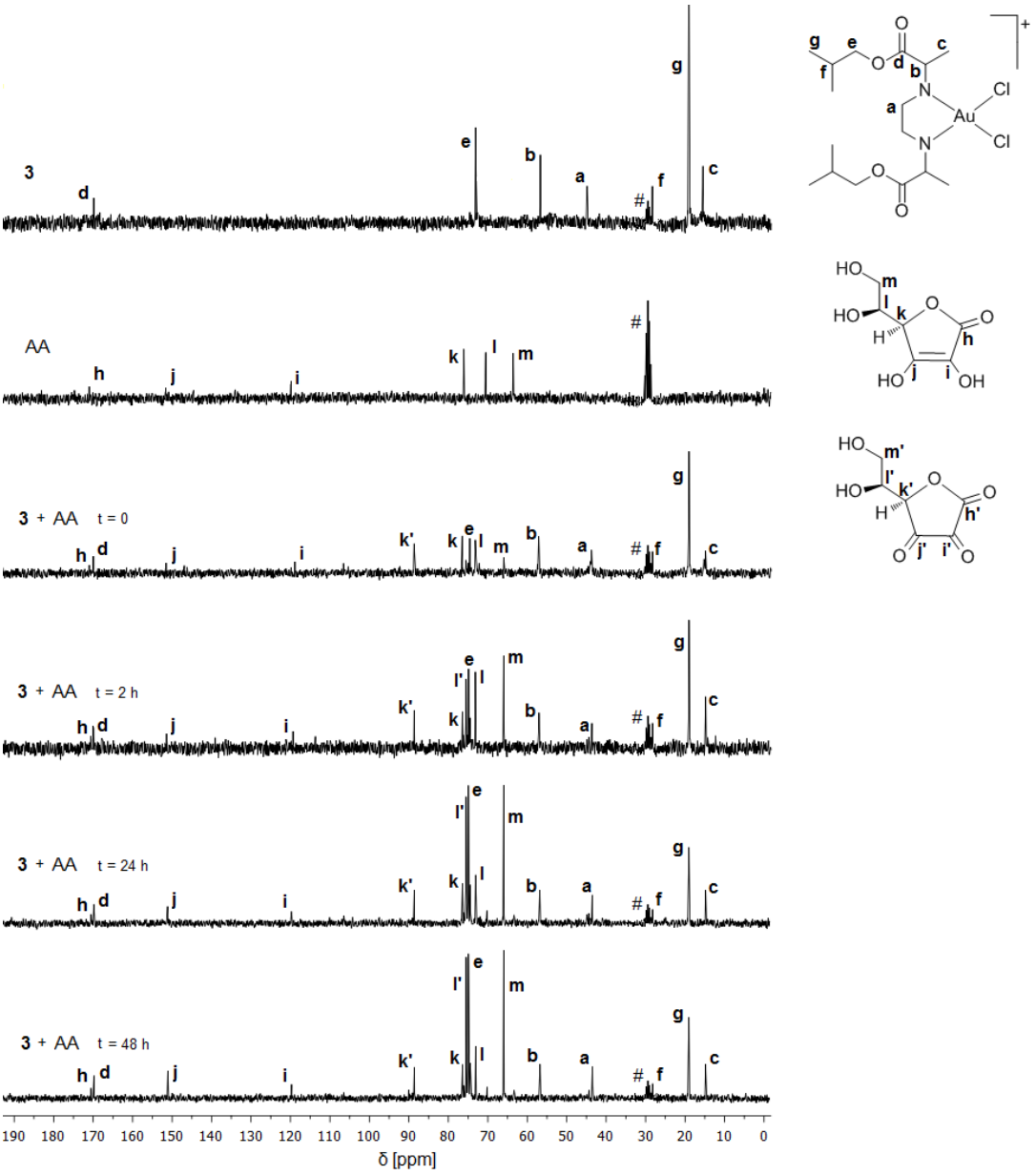

Fig. S11. Reduction of **3** with ascorbic acid followed by ^{13}C NMR spectroscopy ($^{\#}$solvent).

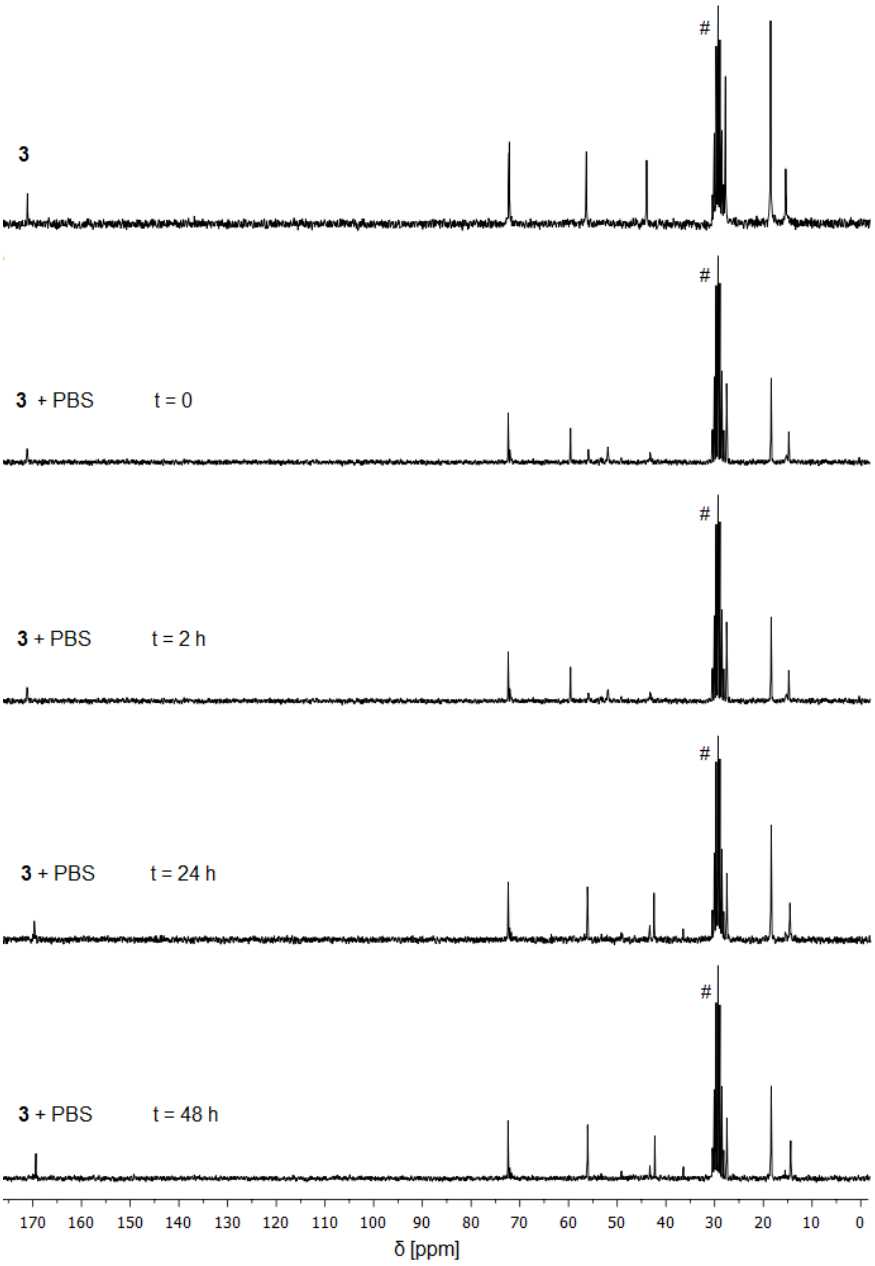

Fig. S12. Stability of **3** in the presence of PBS followed by ^{13}C NMR spectroscopy ($^{\#}$solvent).

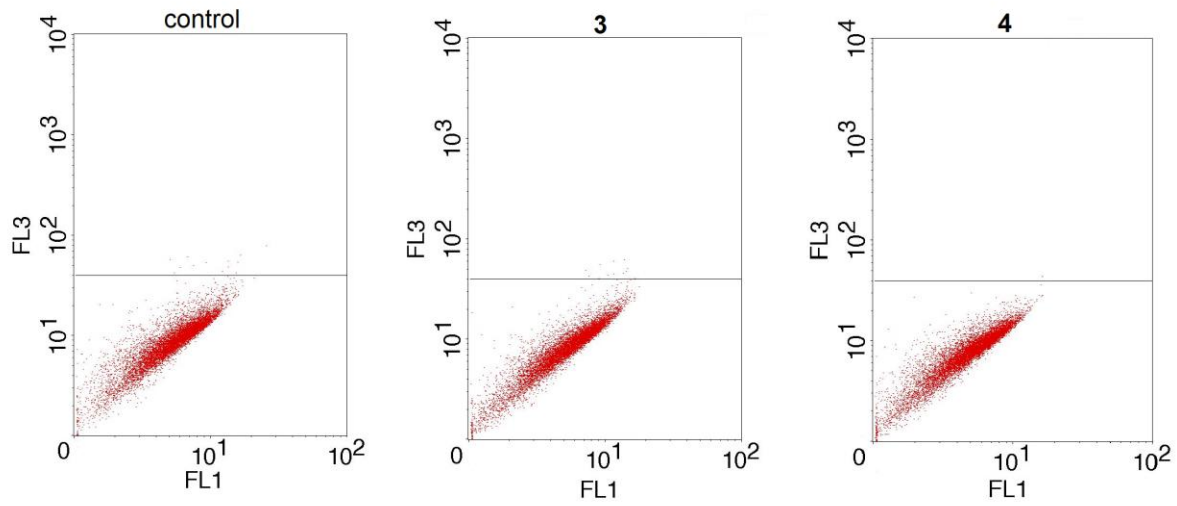

Fig. S13. HeLa cells were exposed to **3** and **4** (48 h) and the presence of autophagic vesicles was investigated.