

Supplementary data for article:

Pantelic, N.; Stanojkovic, T. P.; Zmejovski, 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

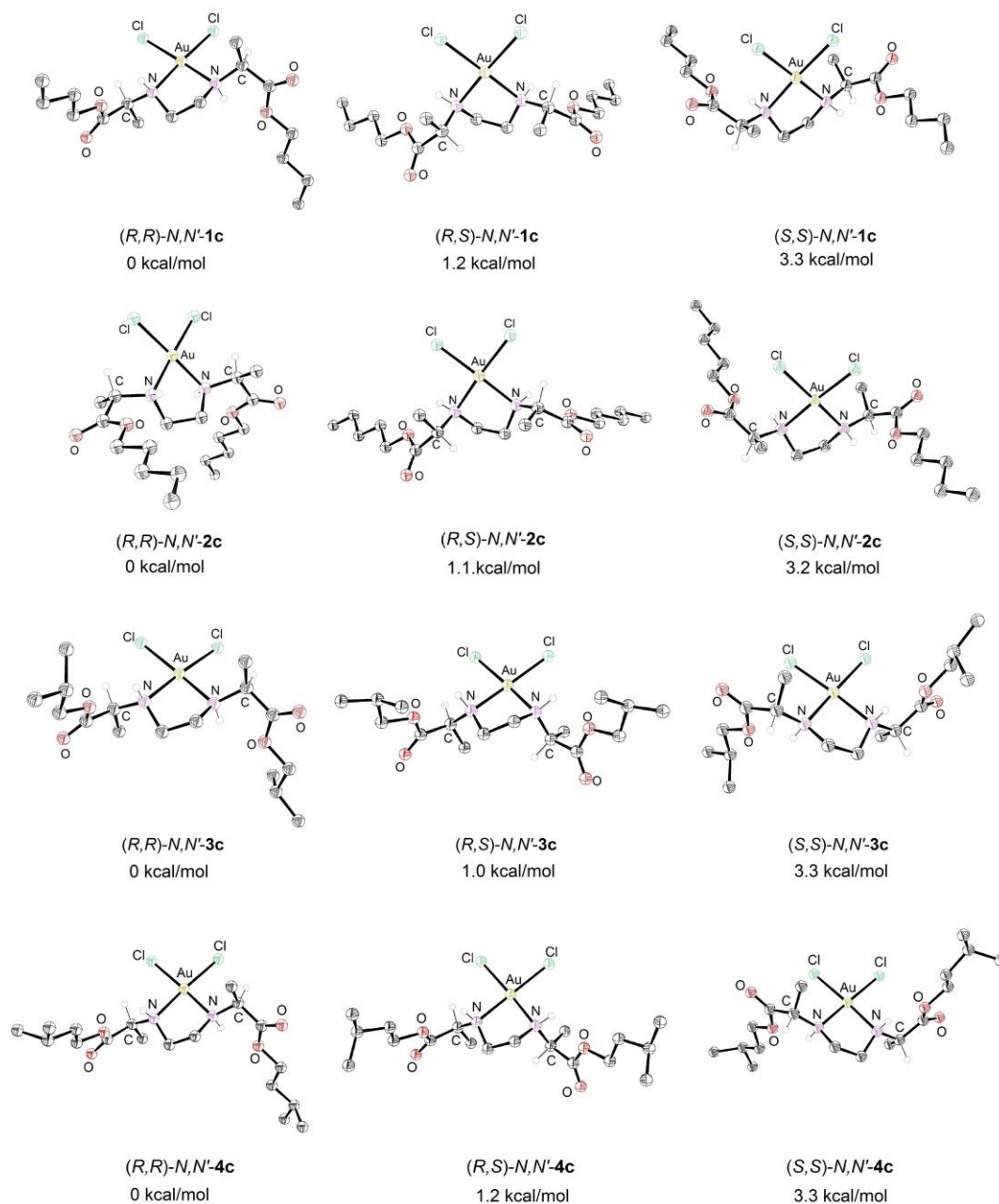


Fig. S1. Calculated structures of **1c–4c**. H atoms, except those bonded to chiral atoms, are omitted for clarity.

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

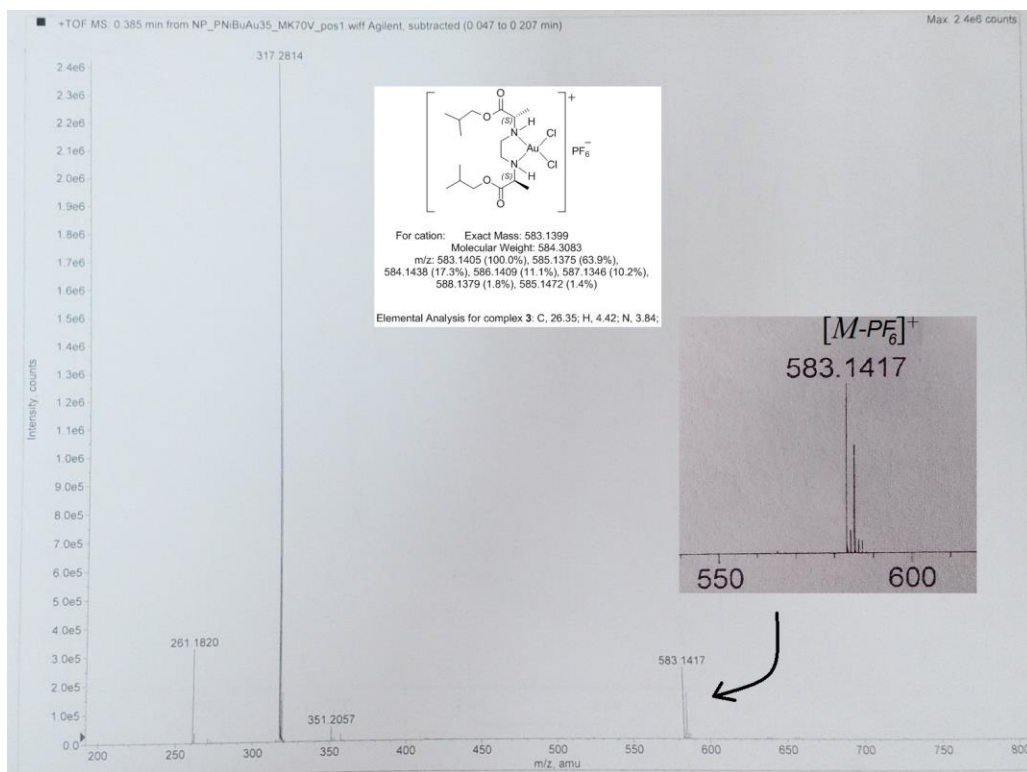


Fig. S2. ESI-MS for **3**.

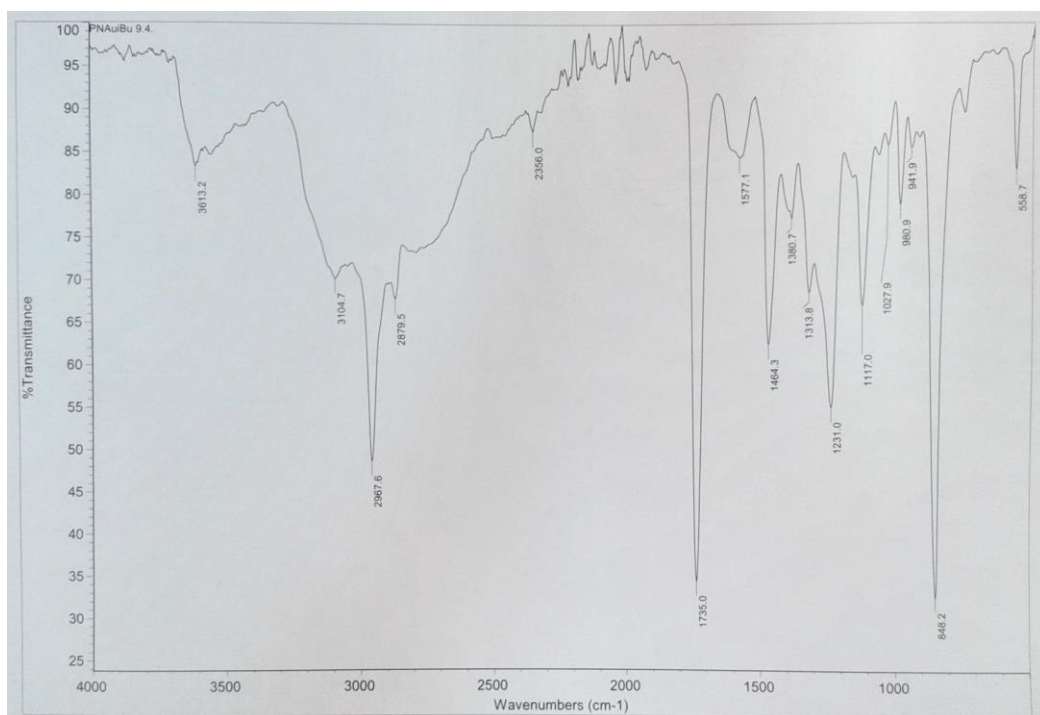


Fig. S3. FT-IR spectrum of **3**.

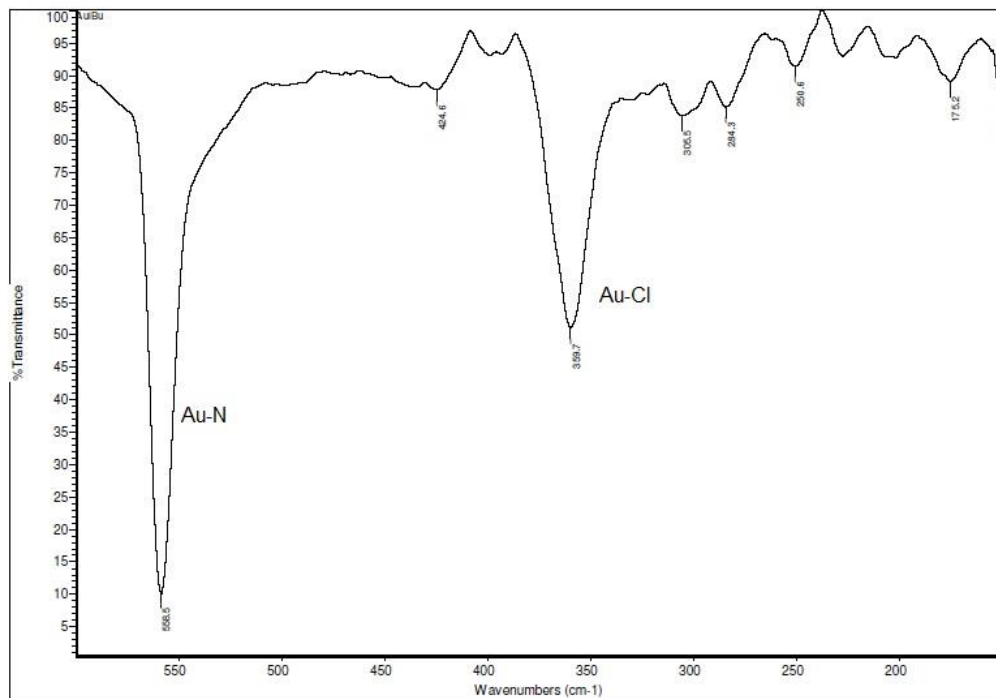


Fig. S4. Far FT-IR spectrum of 3.

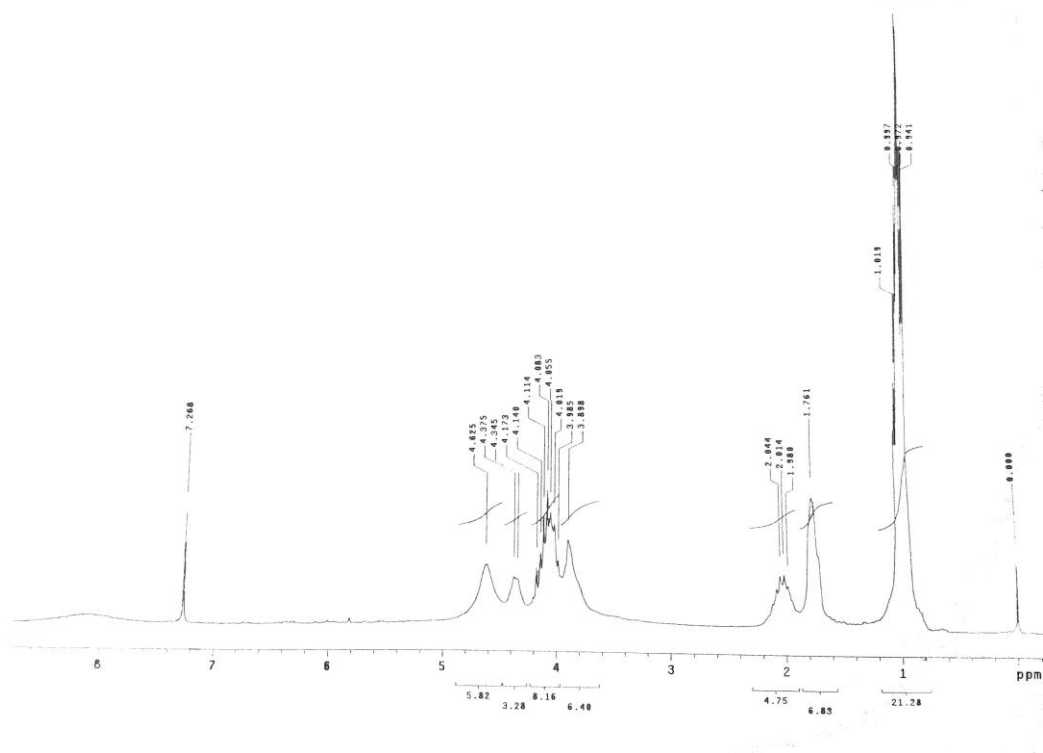


Fig. S5. ¹H NMR spectrum of 3.

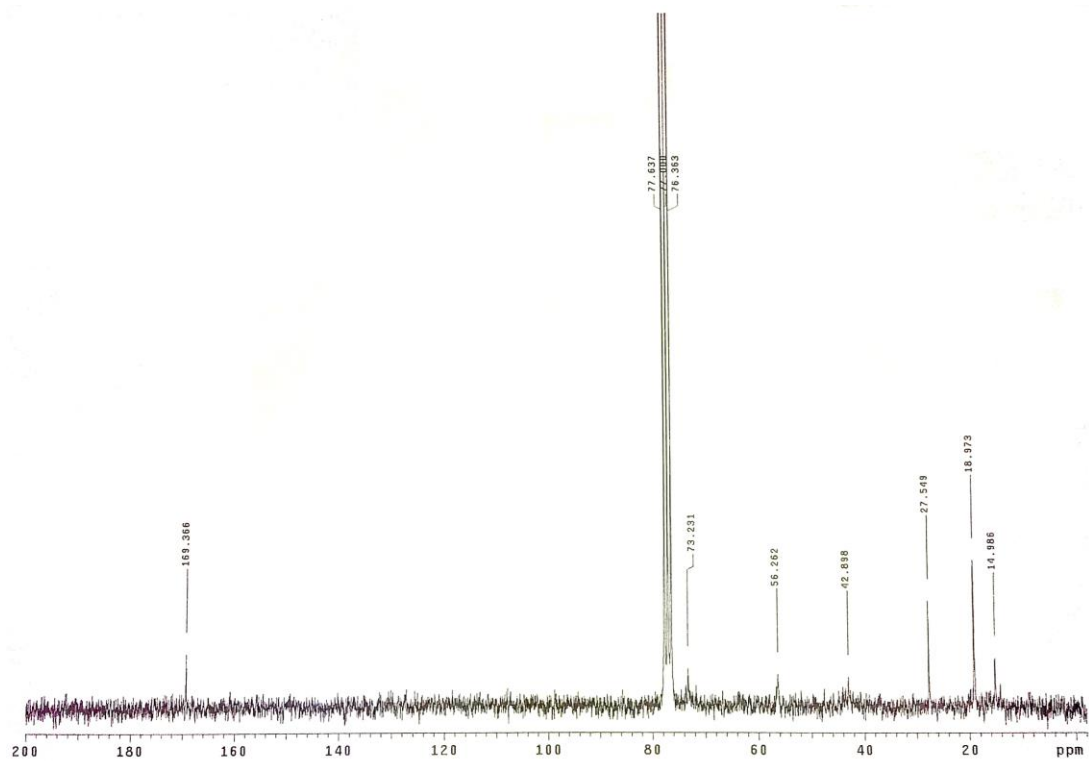


Fig. S6. ^{13}C NMR spectrum of **3**.

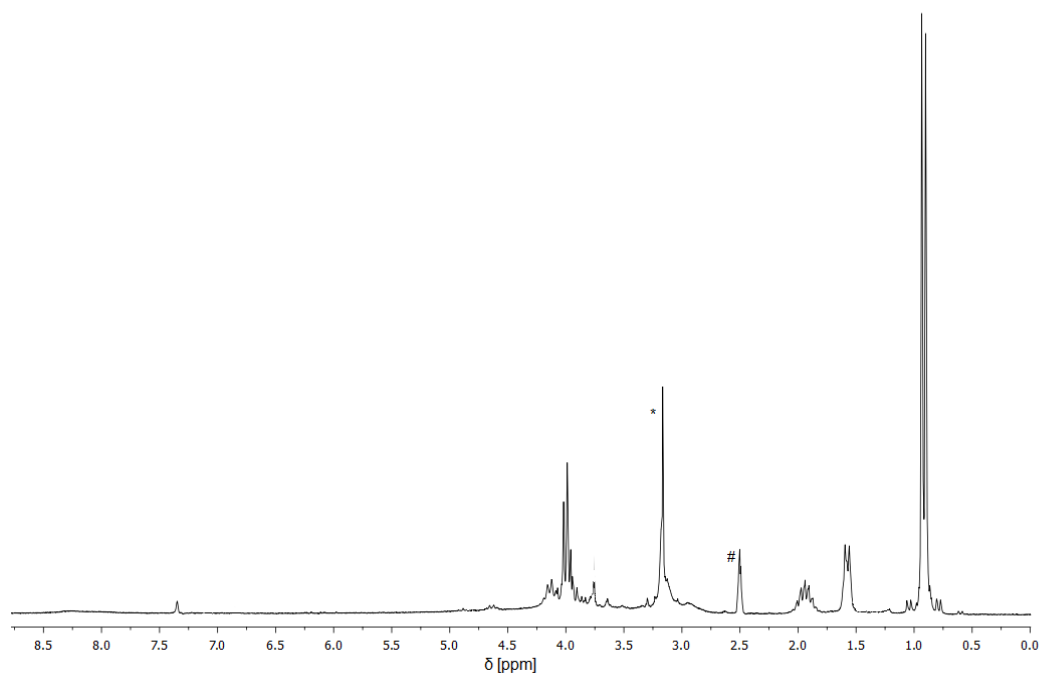


Fig. S7. ^1H NMR spectrum of **3** in $\text{DMSO-}d_6$ (#solvent; * water).

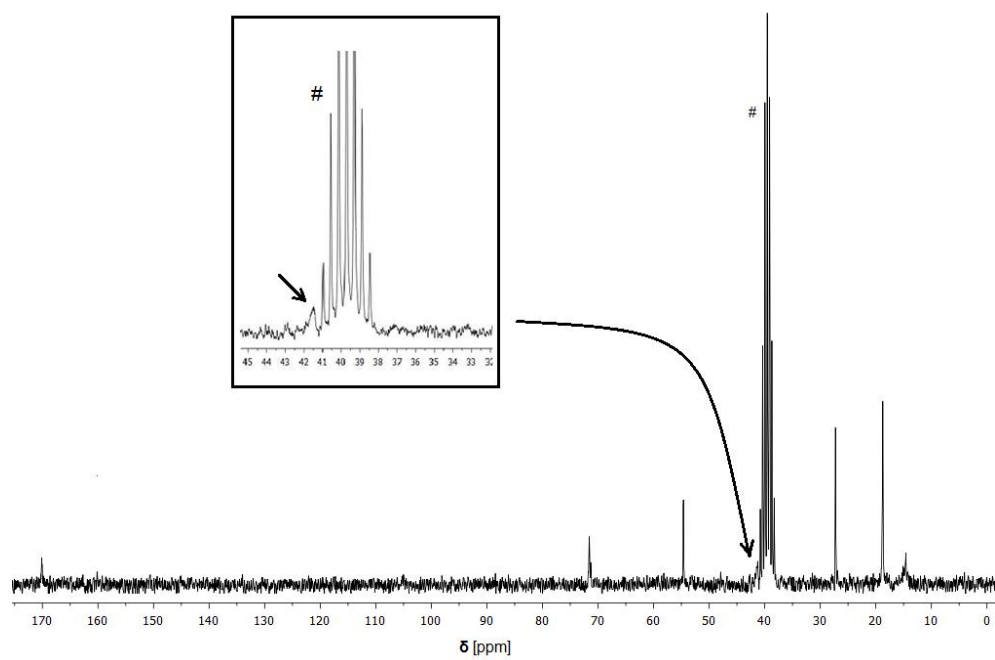


Fig. S8. ^{13}C NMR spectrum of **3** in $\text{DMSO-}d_6$ (#solvent).

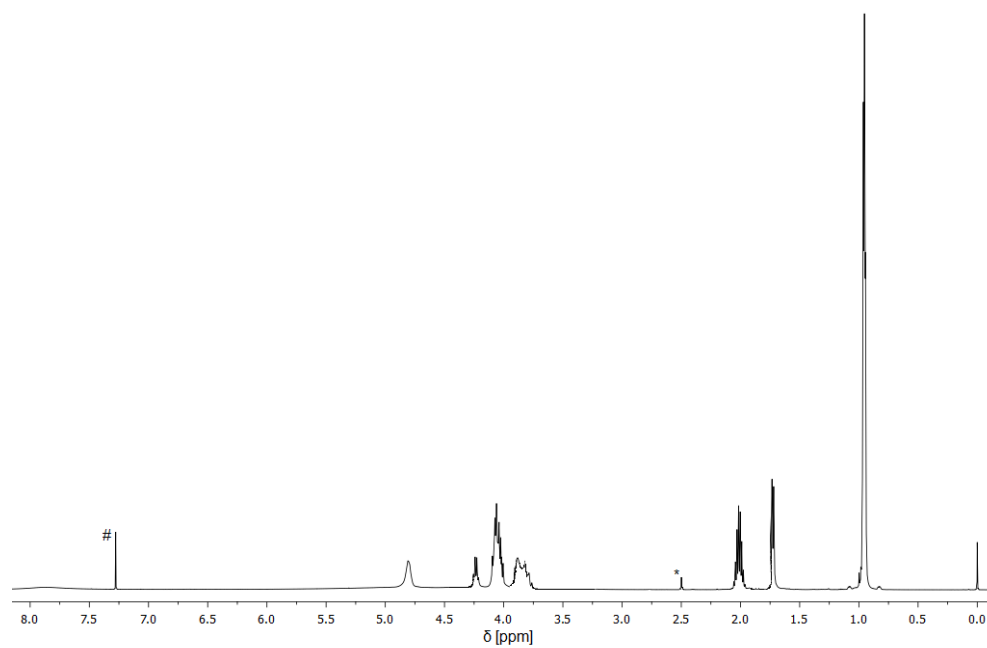


Fig. S9. ^1H NMR (500 MHz) spectrum of **3** in CDCl_3 (#solvent; *water).

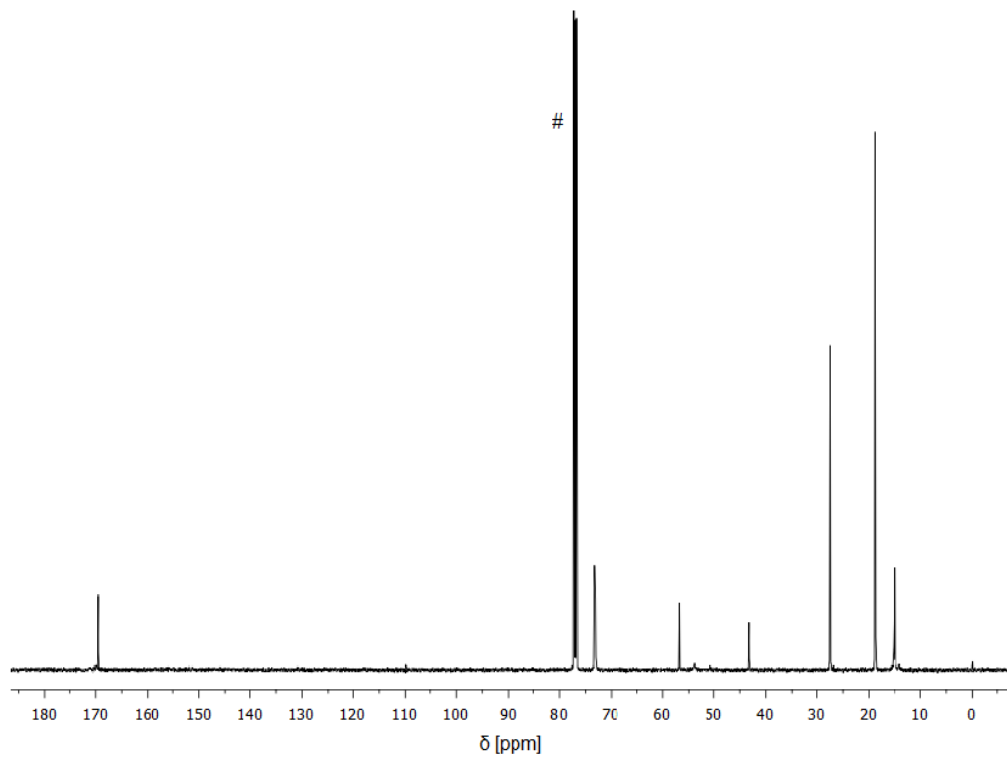


Fig. S10. ¹³C NMR (500 MHz) spectrum of **3** in CDCl₃ (#solvent).

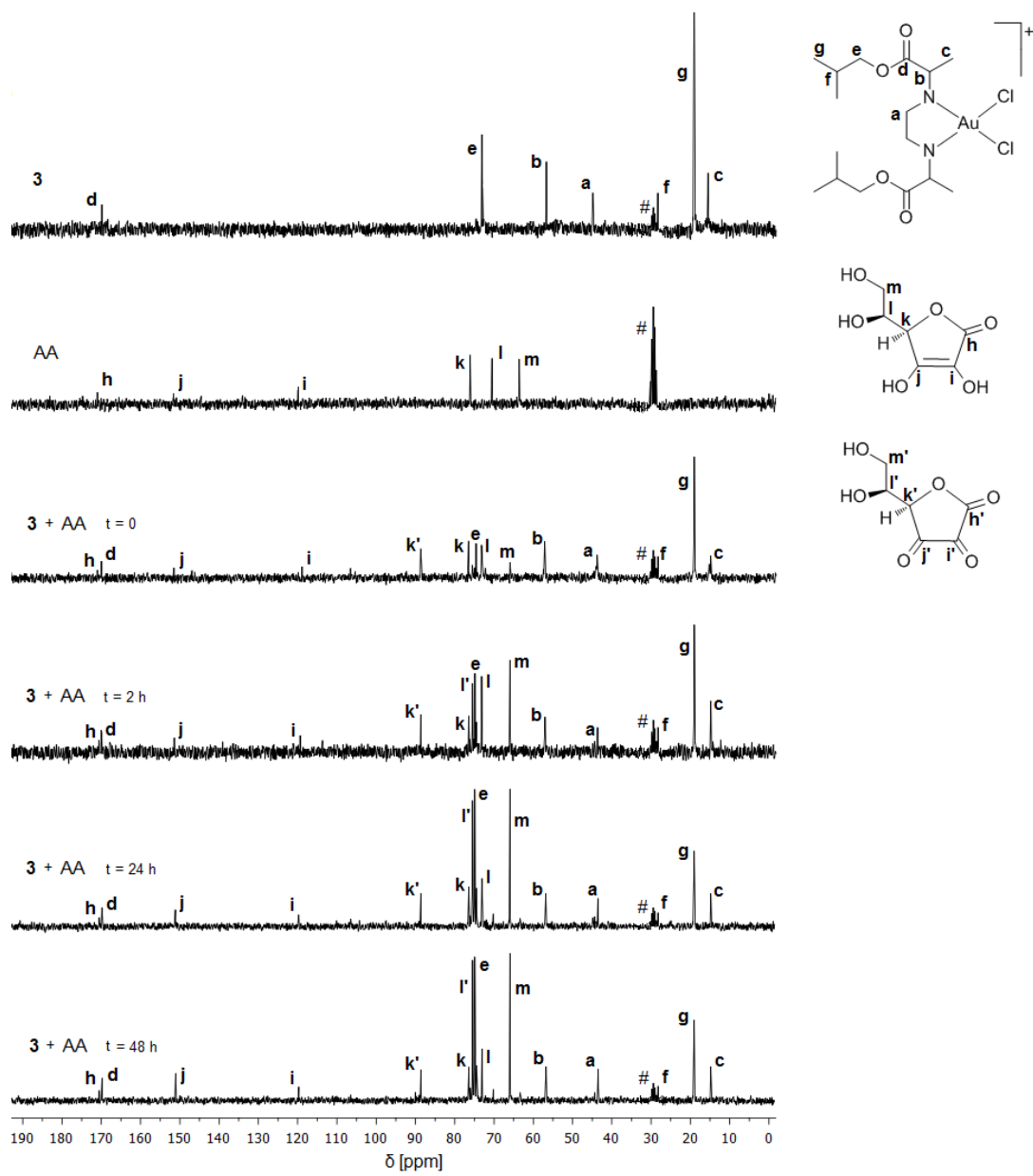


Fig. S11. Reduction of **3** with ascorbic acid followed by ^{13}C NMR spectroscopy (#solvent).

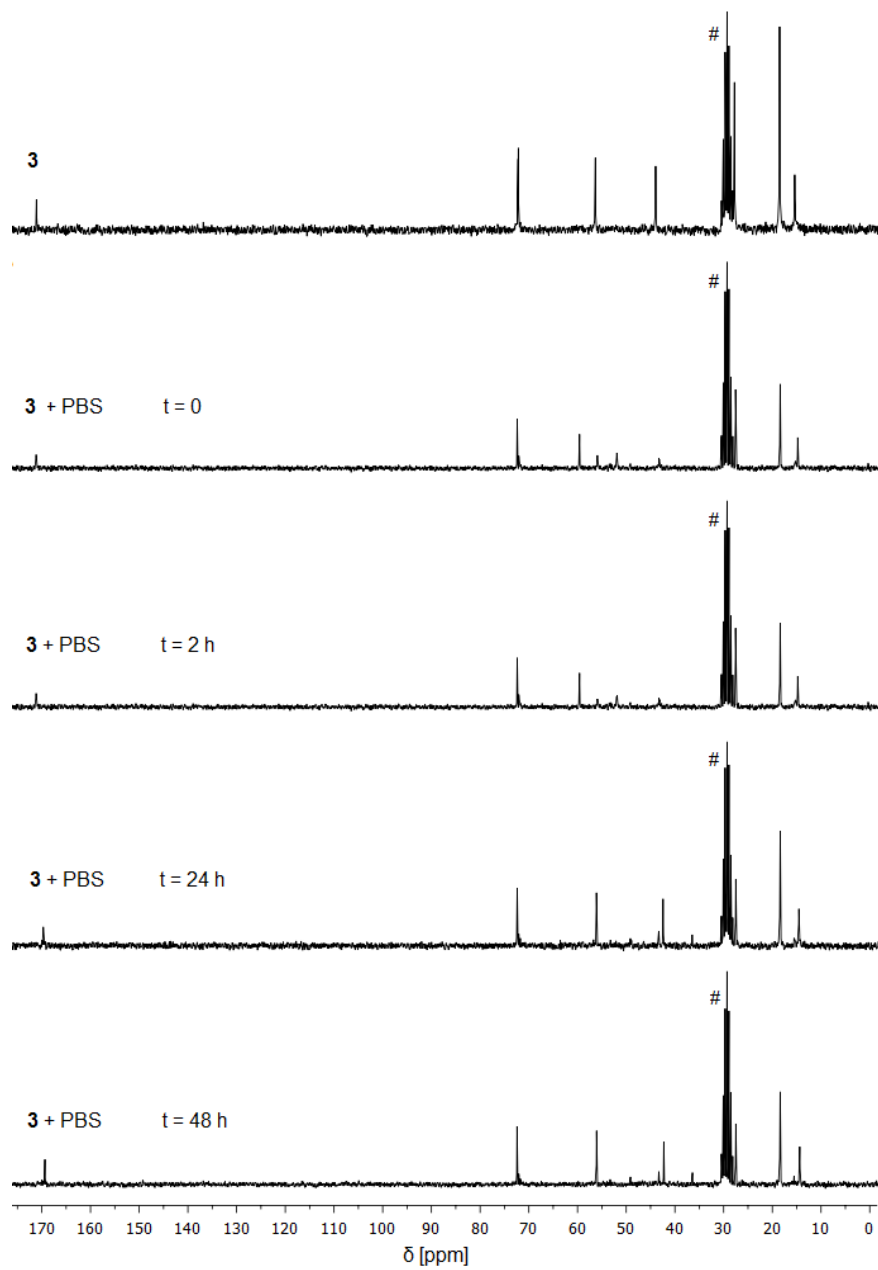


Fig. S12. Stability of **3** in the presence of PBS followed by ^{13}C NMR spectroscopy (#solvent).

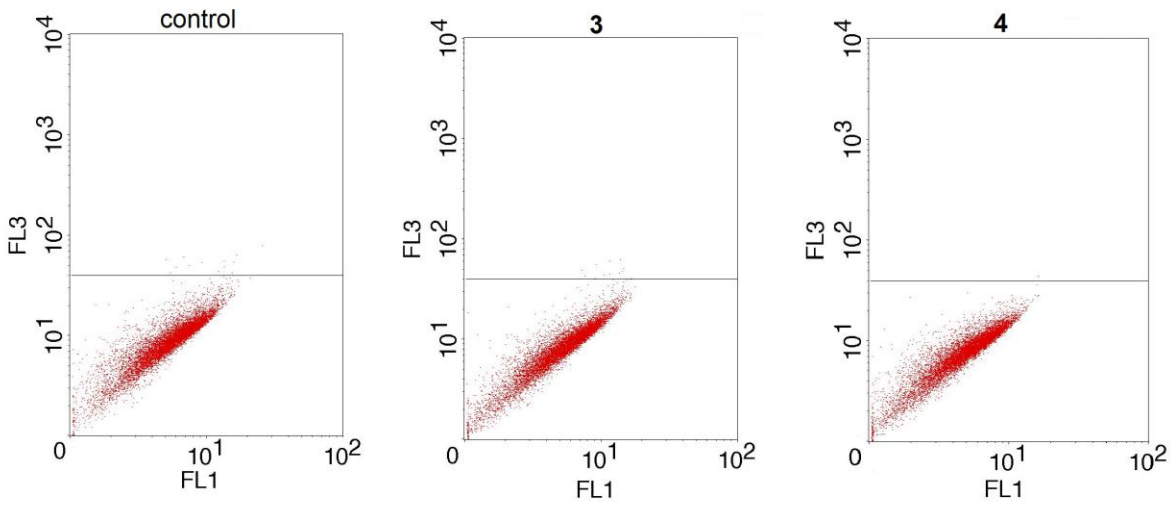


Fig. S13. HeLa cells were exposed to **3** and **4** (48 h) and the presence of autophagic vesicles was investigated.