

Supporting information materials of

Synergetic anticancer activity of gold porphyrin appended to phenyl tin malonate organometallic complexes

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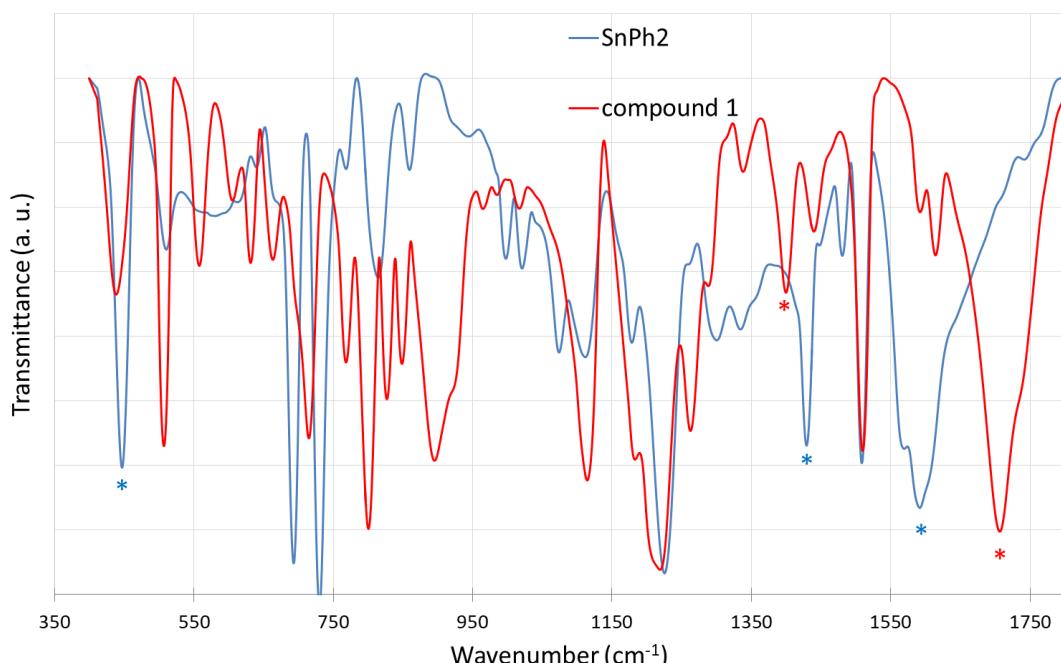


Figure S1. Overlay of the IR spectra of compounds **1** and **SnPh₂** recorded in solid state by ATR-IR spectroscopy. The asterisks indicate the carboxylate antisymmetric (ν_{as}) and symmetric (ν_s) and Sn-O stretching bands.

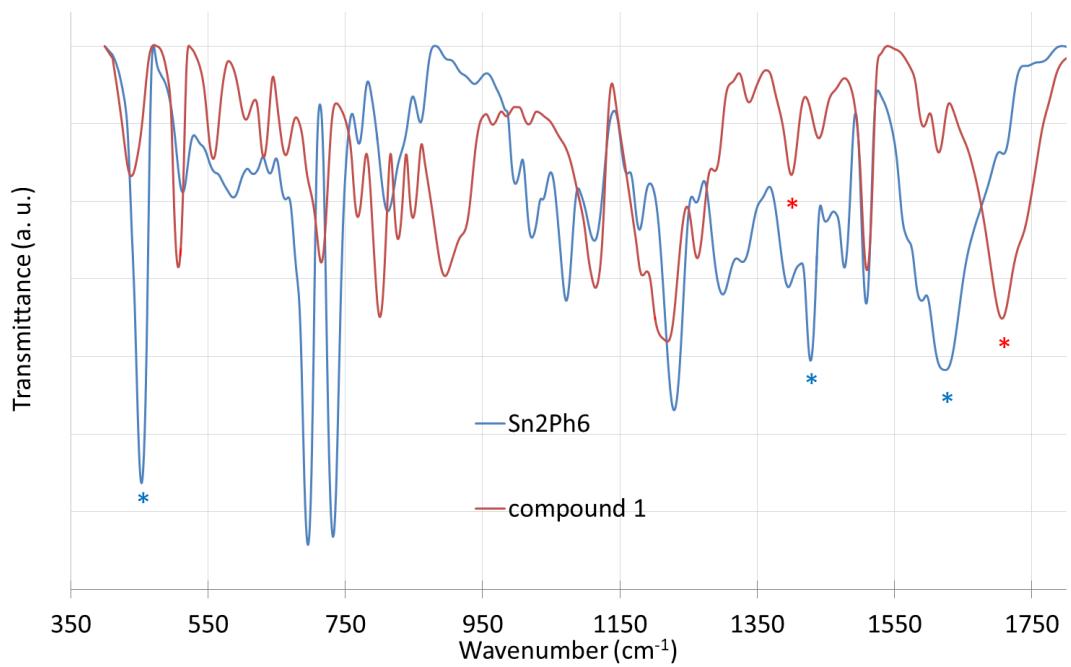


Figure S2. Overlay of the IR spectra of compounds **1** and **Sn₂Ph₆** recorded in solid state by ATR-IR spectroscopy. The asterisks indicate the O-C=O antisymmetric (ν_{as}) and symmetric (ν_s) and Sn-O stretching bands.

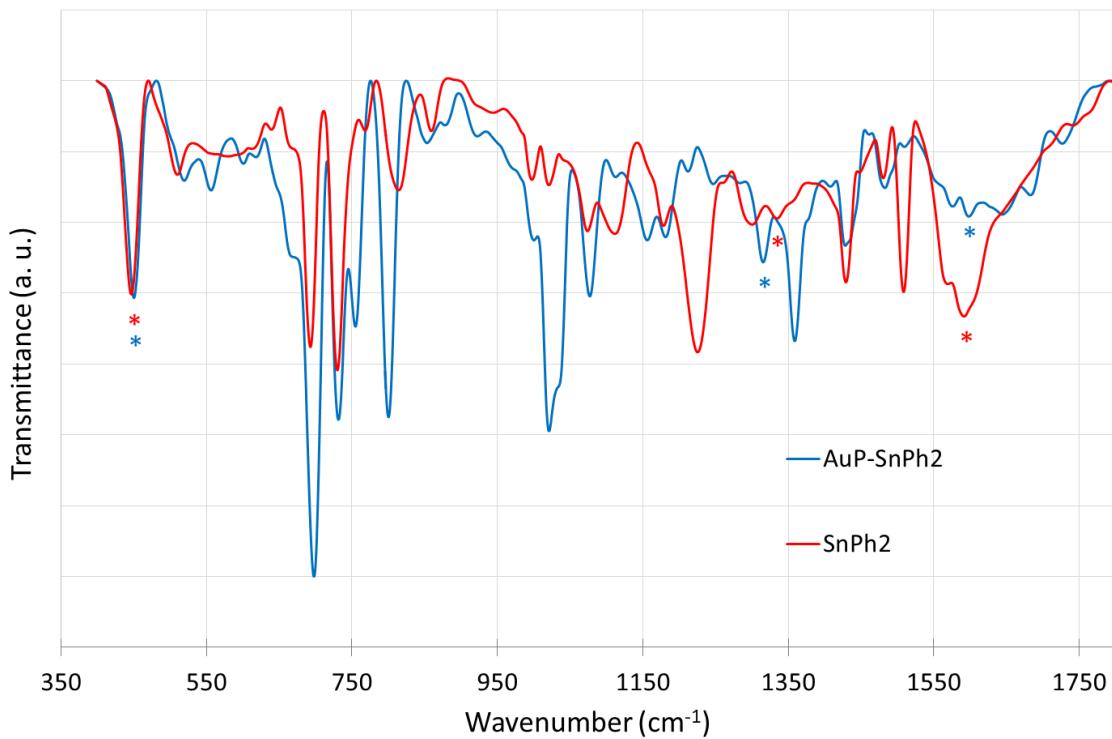


Figure S3. Overlay of the IR spectra of compounds **SnPh₂** and **AuP-SnPh₂** recorded in solid state by ATR-IR spectroscopy. The asterisks indicate the carboxylate antisymmetric (ν_{as}) and symmetric (ν_s) and Sn-O stretching bands.

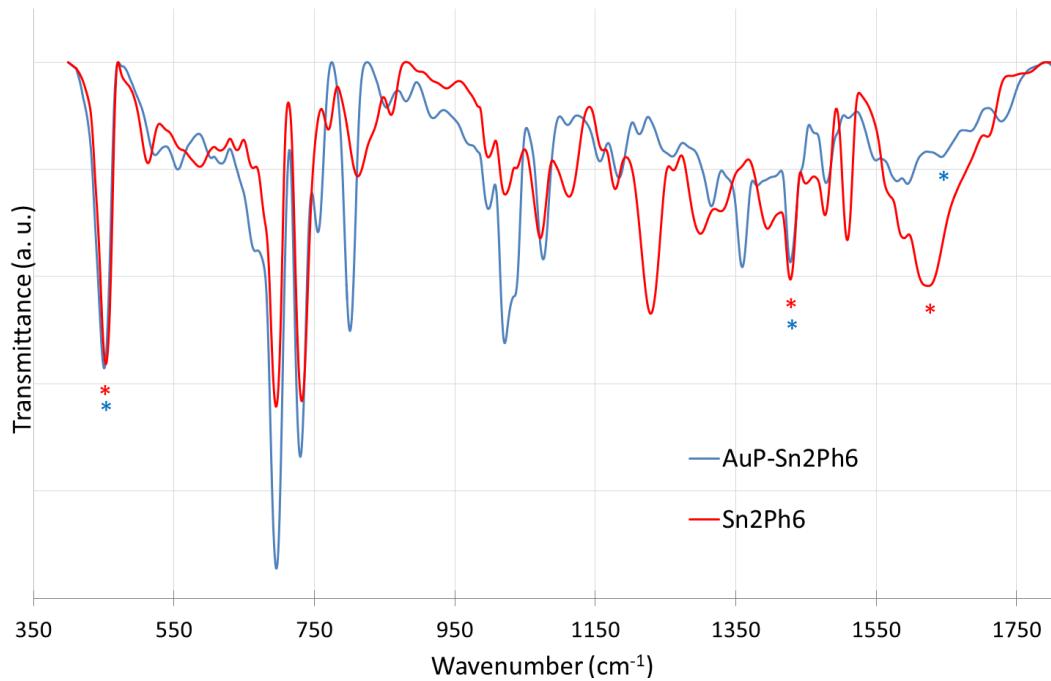


Figure S4. Overlay of the IR spectra of compounds Sn_2Ph_6 and $\text{AuP-Sn}_2\text{Ph}_6$ recorded in solid state by ATR-IR spectroscopy. The asterisks indicate the carboxylate antisymmetric (ν_{as}) and symmetric (ν_s) and Sn-O stretching bands.

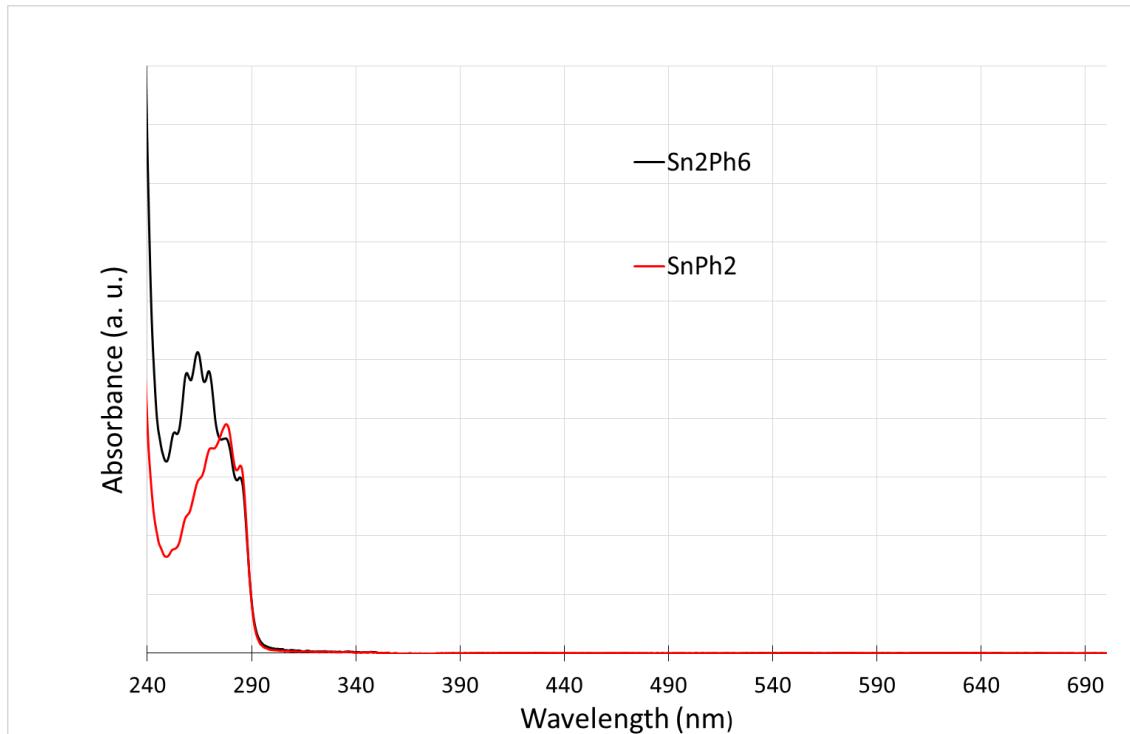


Figure S5. Overlay of the UV-Vis. absorption spectra of compounds Sn_2Ph_6 and Sn_2Ph_6 recorded in dichloromethane.

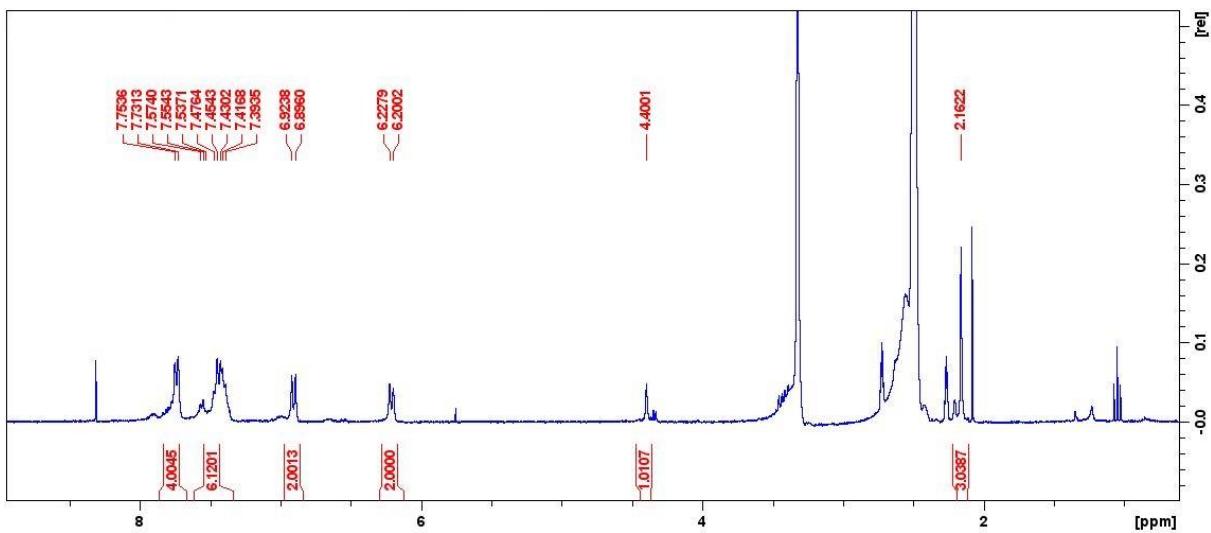


Figure S6. ^1H NMR spectrum of SnPh_2 recorded in DMSO-d_6 .

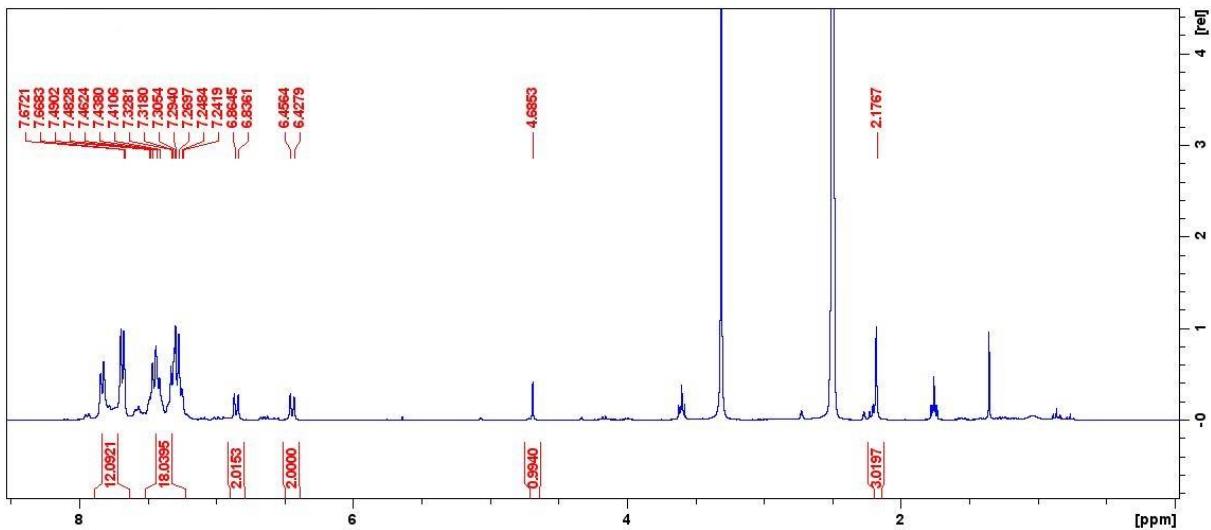


Figure S7. ^1H NMR spectrum of Sn_2Ph_6 recorded in DMSO-d_6 .

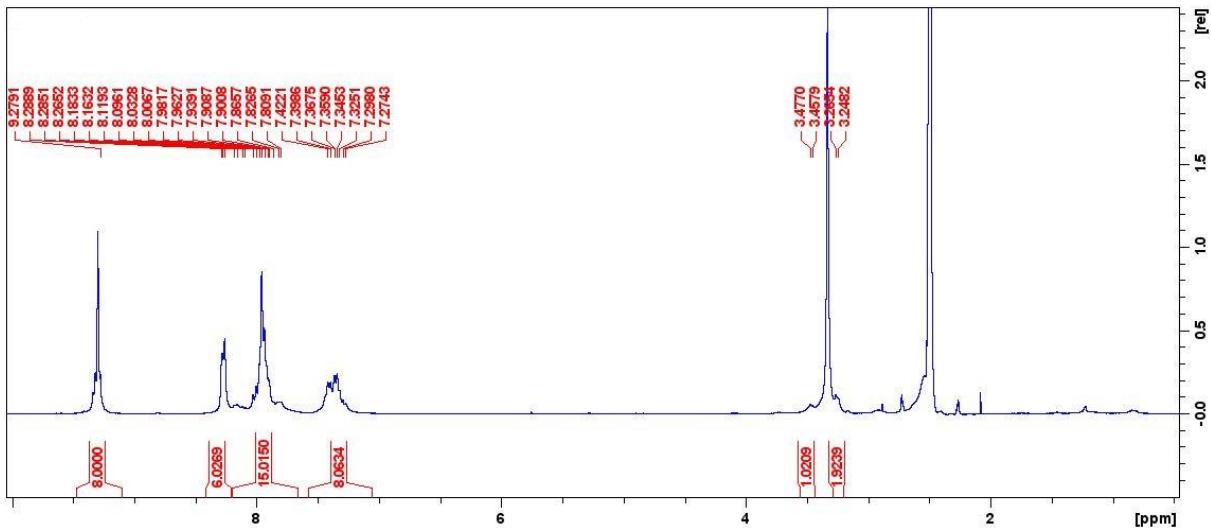


Figure S8. ^1H NMR spectrum of AuP-SnPh_2 recorded in DMSO-d_6 .

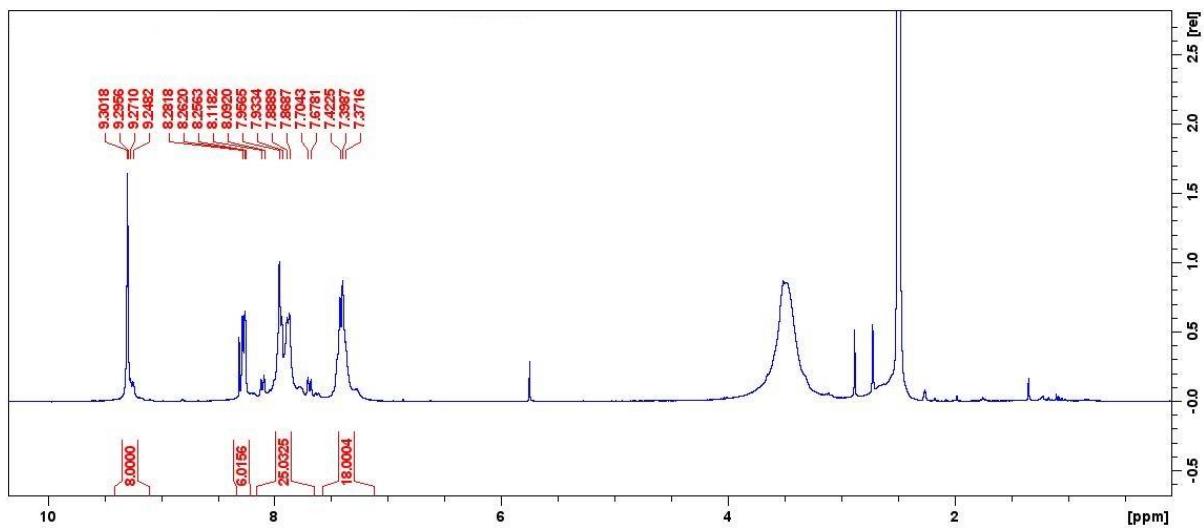


Figure S9. ^1H NMR spectrum of $\text{AuP-Sn}_2\text{Ph}_6$ recorded in DMSO-d_6 .

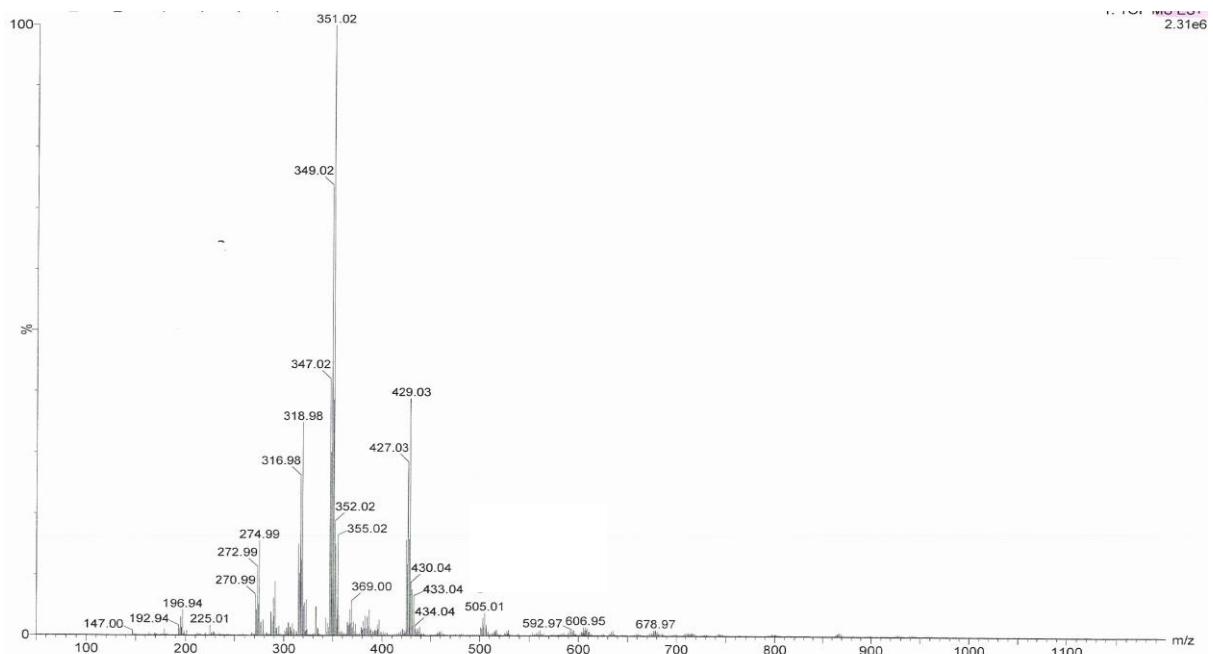


Figure S10. ES-MS spectrum of SnPh_2 .

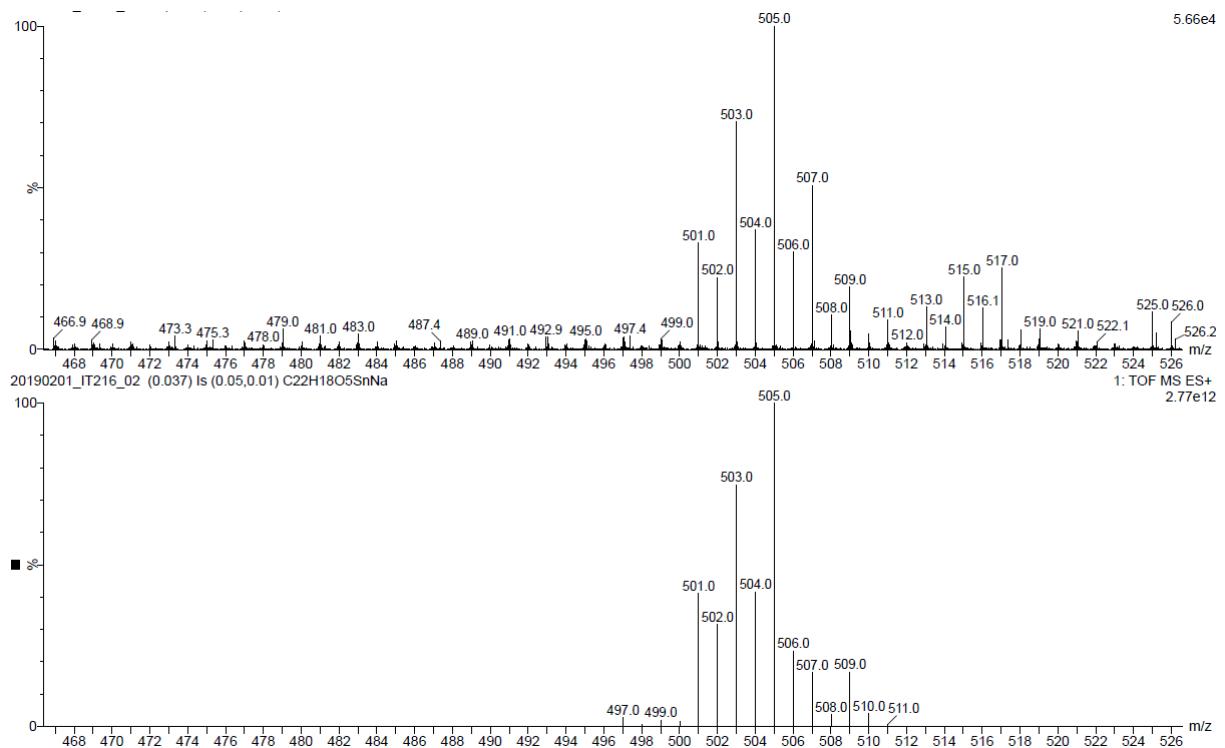


Figure S11. Zoom on the experimental (up) and calculated (down) isotopic fragment $M+Na^+$ of ES-MS spectrum of SnPh_2

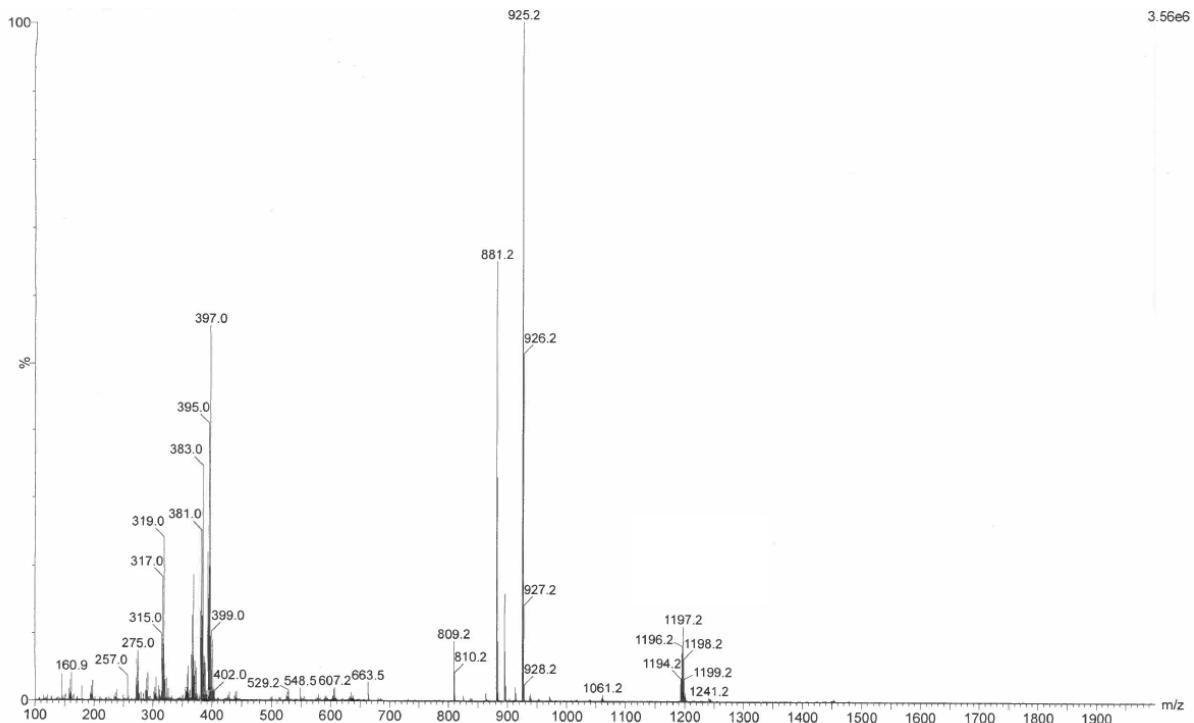


Figure S12. ES-MS spectrum of AuP-SnPh_2 .

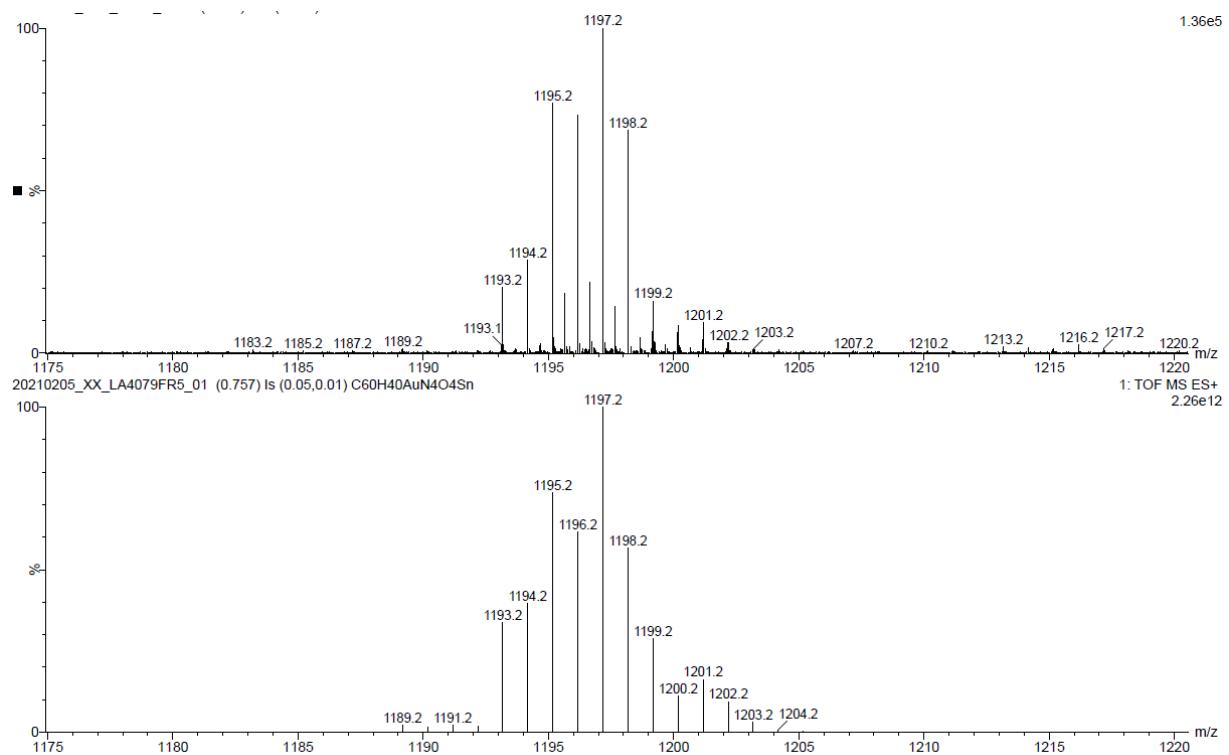


Figure S13. Zoom on the experimental (up) and calculated (down) isotopic fragment M⁺ of ES-MS spectrum of **AuP-SnPh₂**.

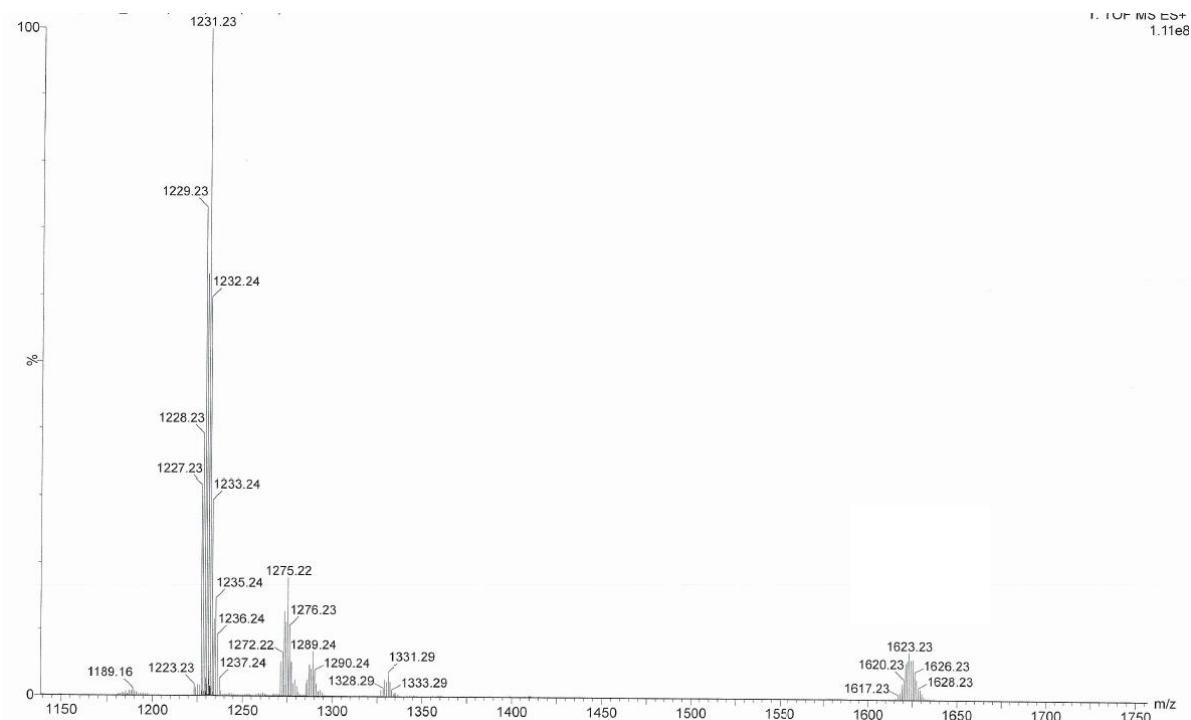


Figure S14. ES-MS spectrum of **AuP-Sn₂Ph₆**.

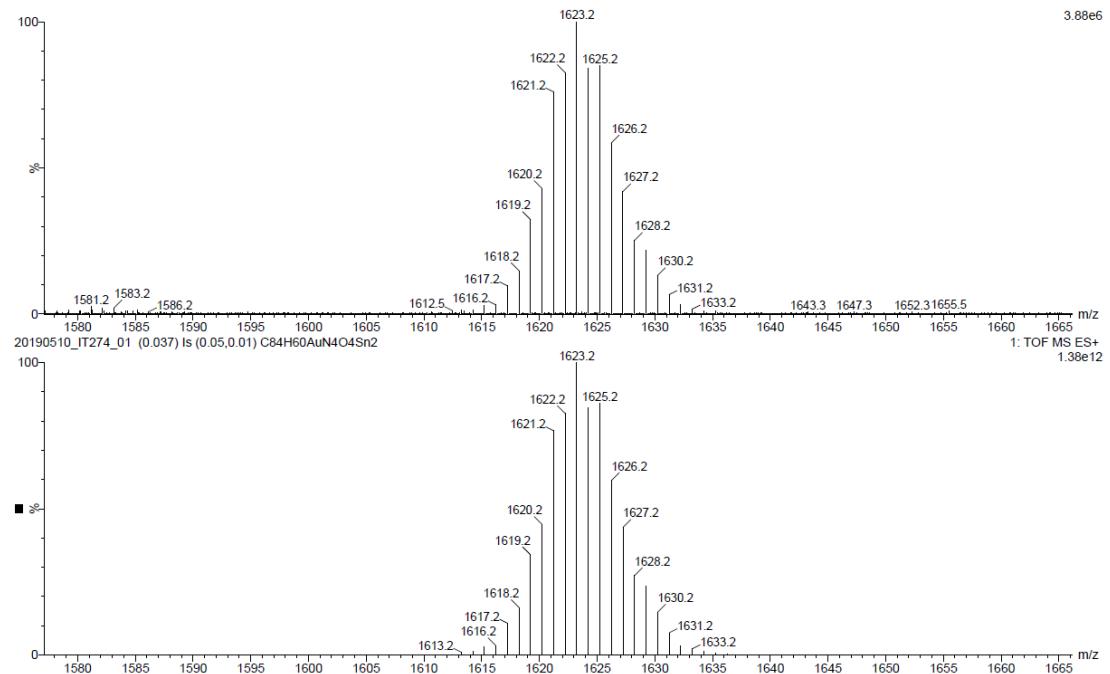


Figure S15. Zoom on the experimental (up) and calculated (down) isotopic fragment M^+ of ES-MS spectrum of **AuP-Sn₂Ph₆**