Supplementary material

Effect of mono- and dinuclear thiosemicarbazone platinacycles in the proliferation of colorectal carcinoma cell line

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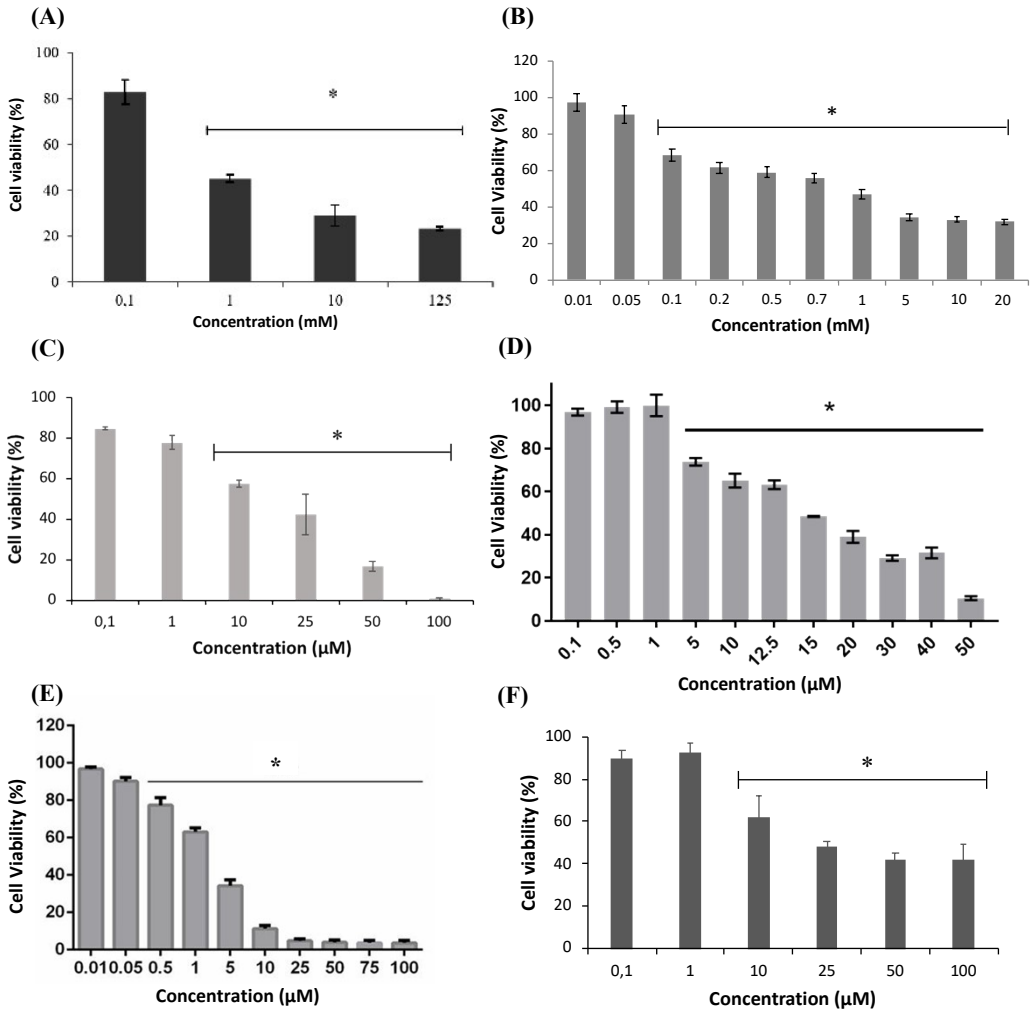


Figure S1. Cytotoxicity of doxorubicin in the cell lines: HCT116 (A), A2780 (B) and Fibroblasts (C) after 48 h of exposure and cytotoxicity of cisplatin in the cell lines: HCT116 (D), A2780 (E) and Fibroblasts (F) after 48 h of exposure. Data are expressed as the mean ± SEM of three independent assays.

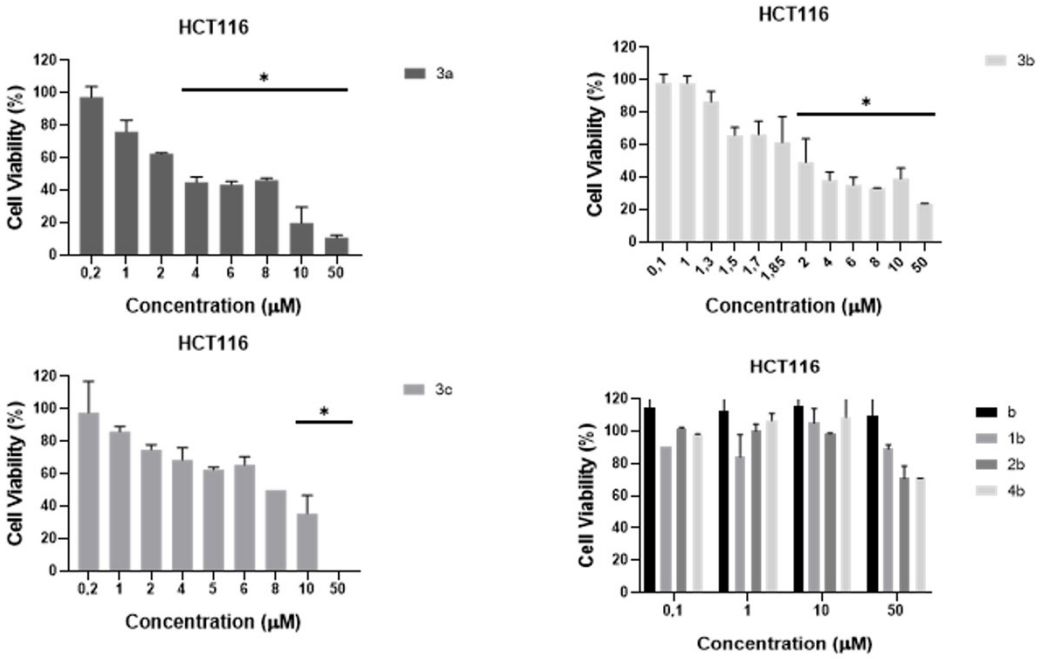


Figure S2. Cytotoxicity of the compounds in cell line HCT116 after 48 h of exposure. Data are expressed as the mean ± SEM of three independent assays.

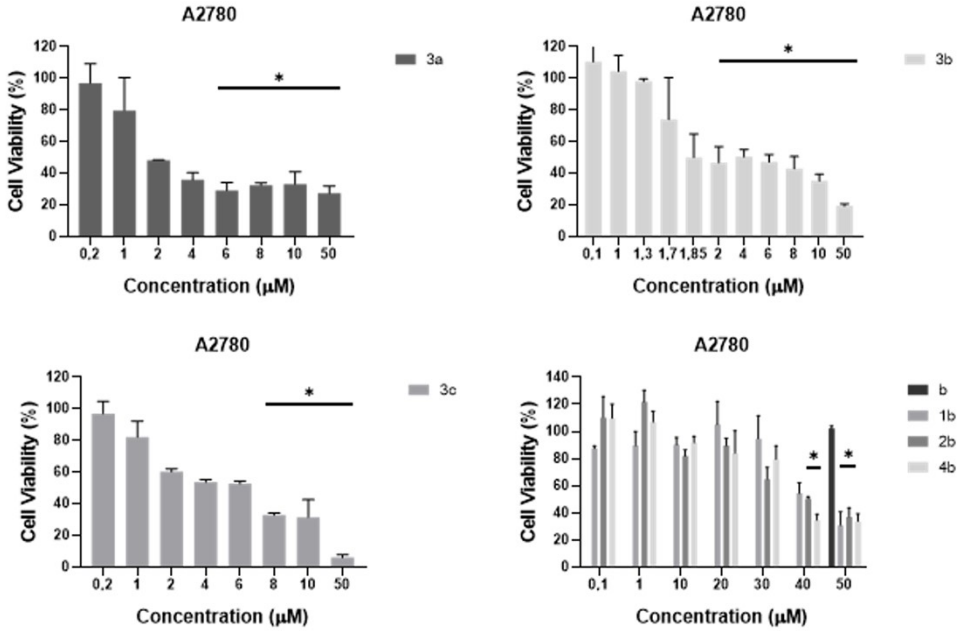


Figure S3. Cytotoxicity of the compounds in cell line A2780 after 48 h of exposure. Data are expressed as the mean ± SEM of three independent assays.

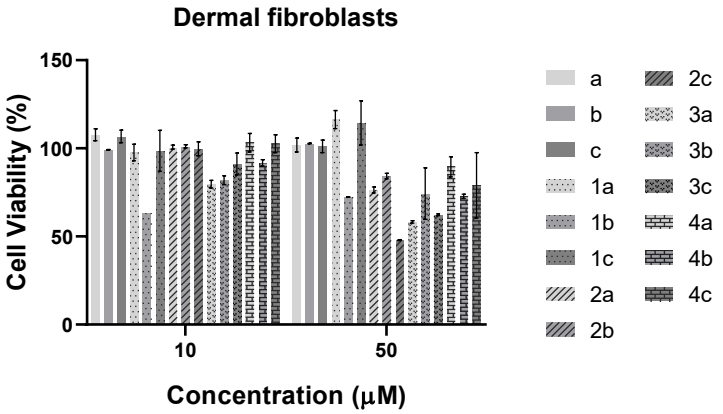


Figure S4. Cytotoxicity of the compounds in Fibroblasts after 48 h of exposure. Data are expressed as the mean ± SEM of three independent assays.

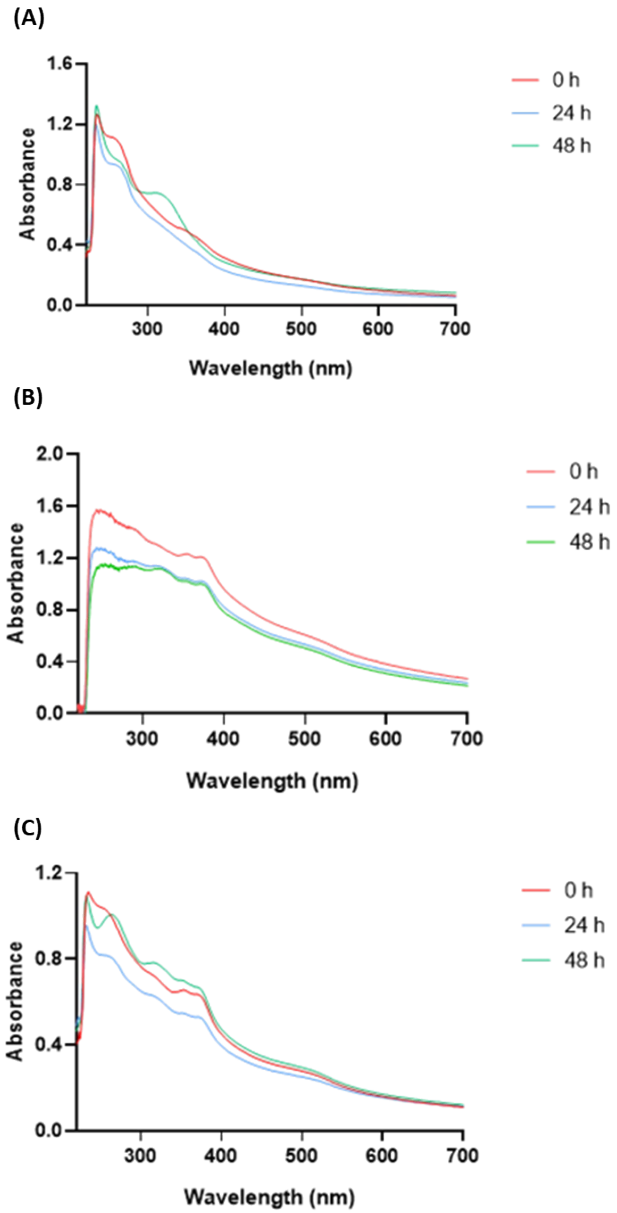
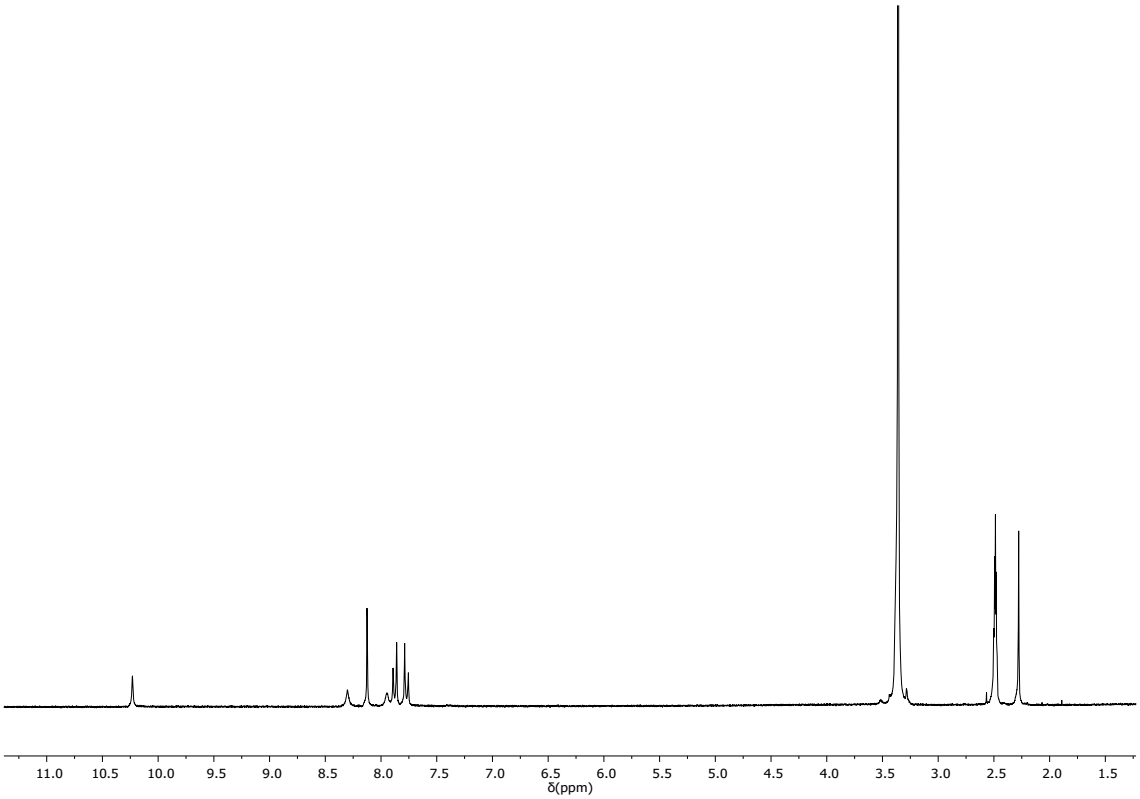
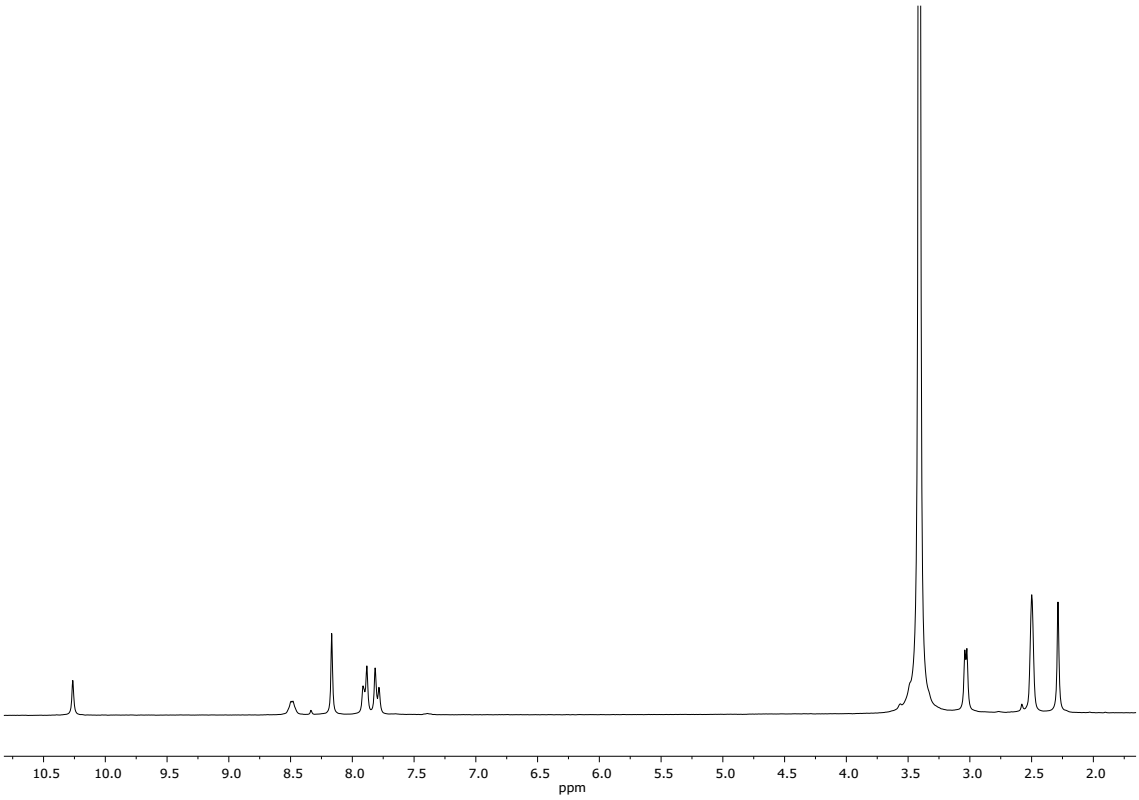


Figure S5. Evaluation of the stability of compounds **3a** (**A**), **3b** (**B**) and **3c** (**C**) by UV-Visible spectroscopy for 48 h. Absorbance spectra of 50 µM of compounds **3c** and **3a** and 150 µM **3b** in RPMI medium without phenol red and FBS at different incubation times: 0 h (red), 24 h (blue) and 48 h (green).

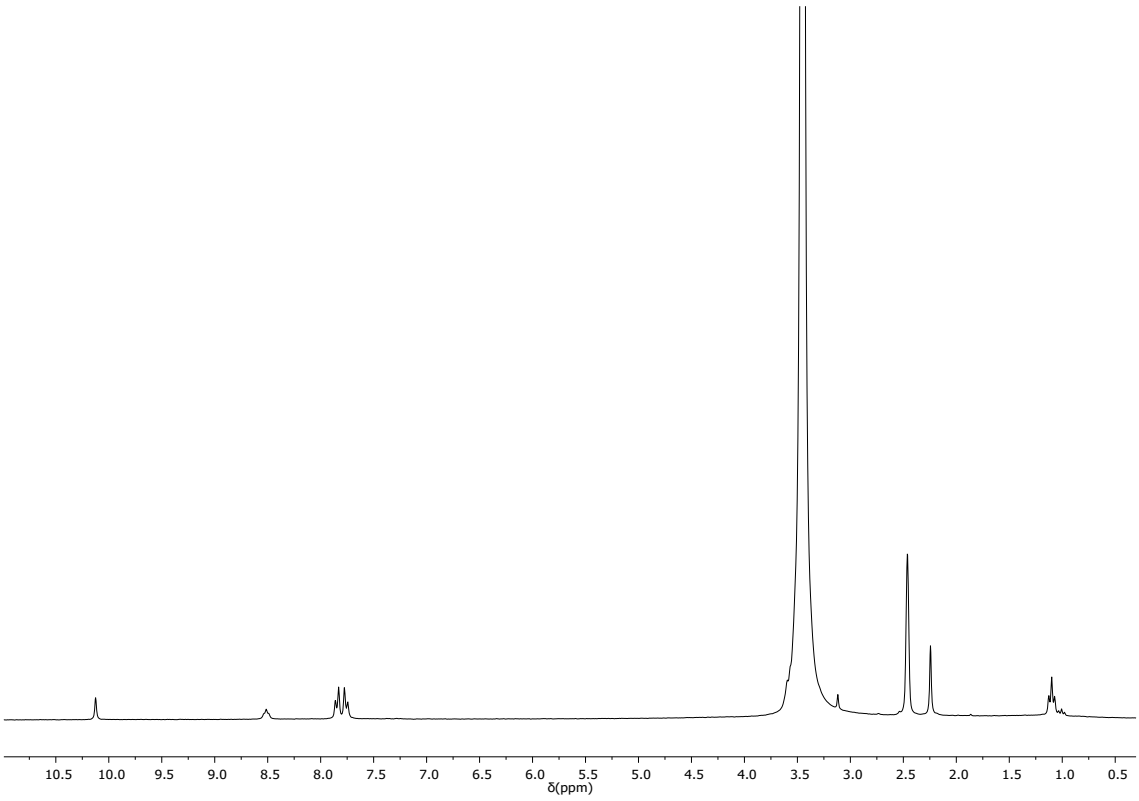
NMR spectra
Ligands
A L1



B L2

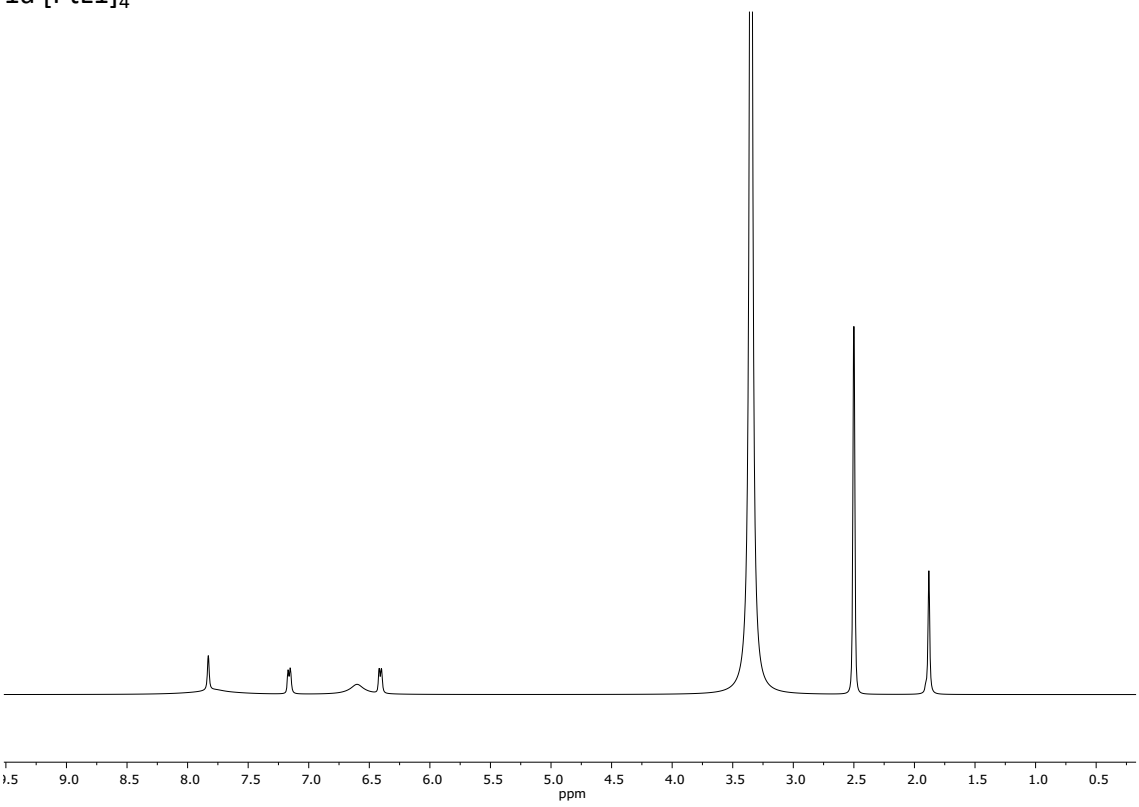


C L3

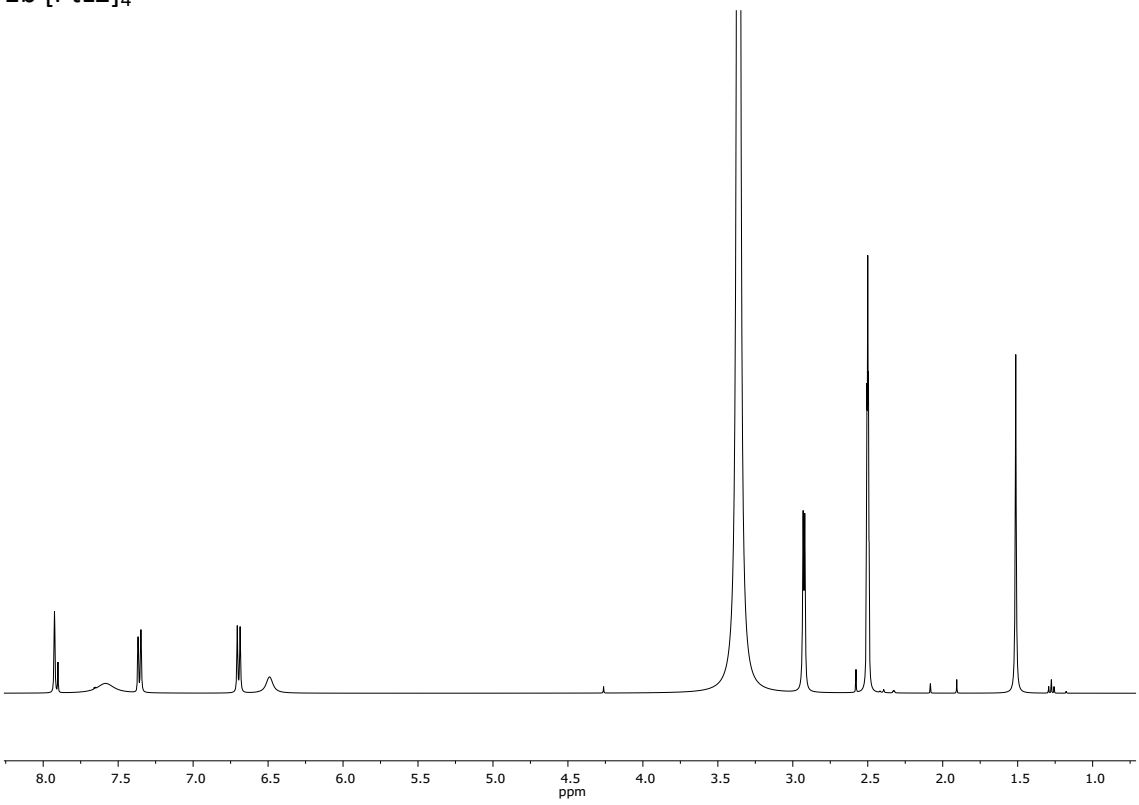


Tetranuclear platinacycles

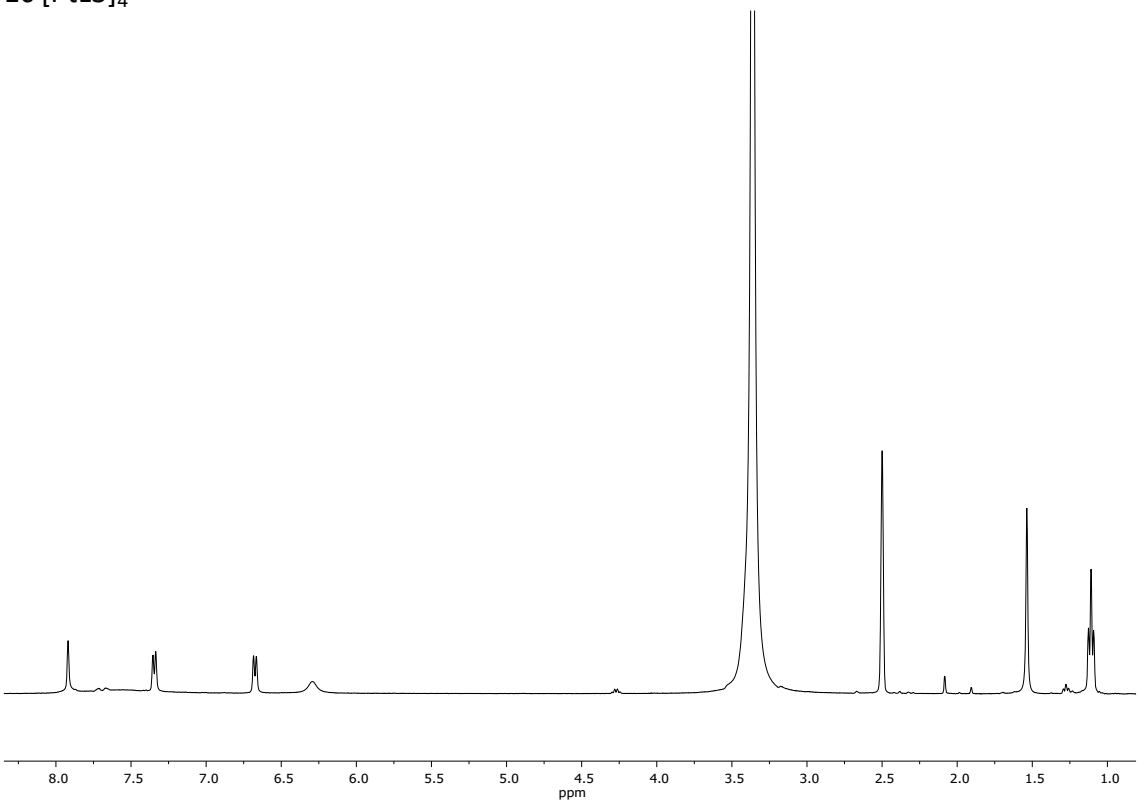
1a $[PtL1]_4$



1b $[PtL2]_4$

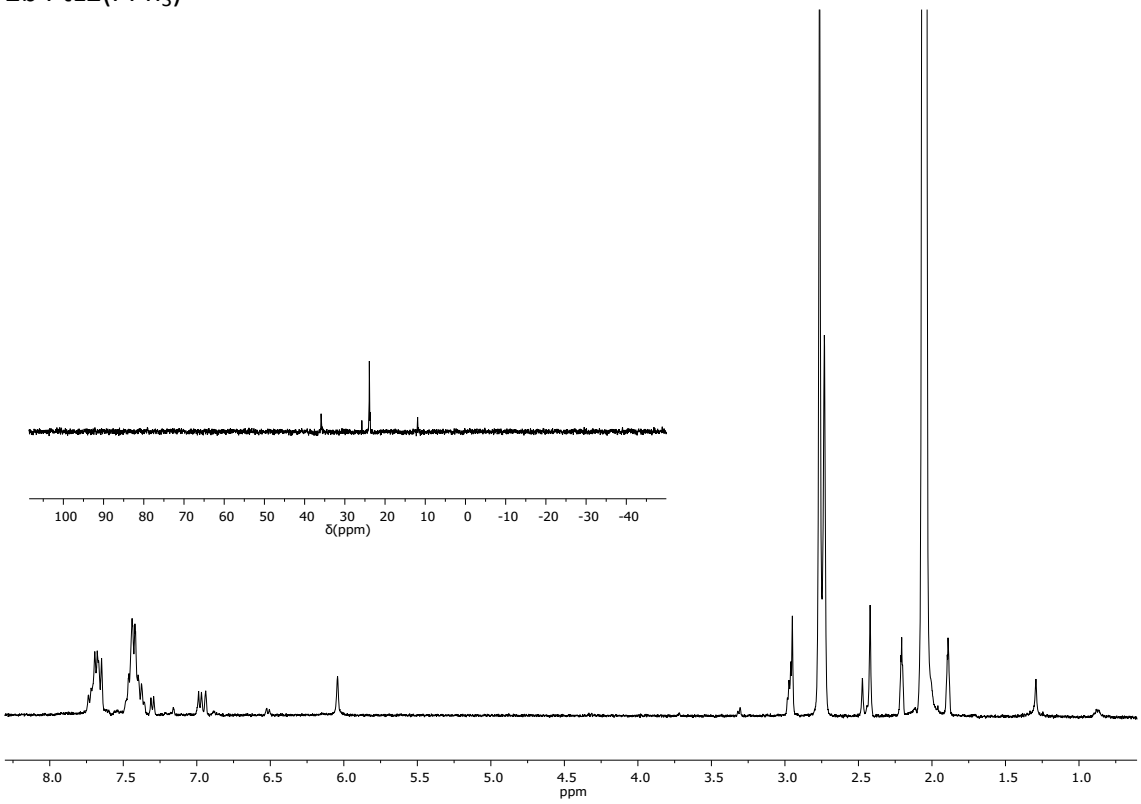


1c $[PtL3]_4$

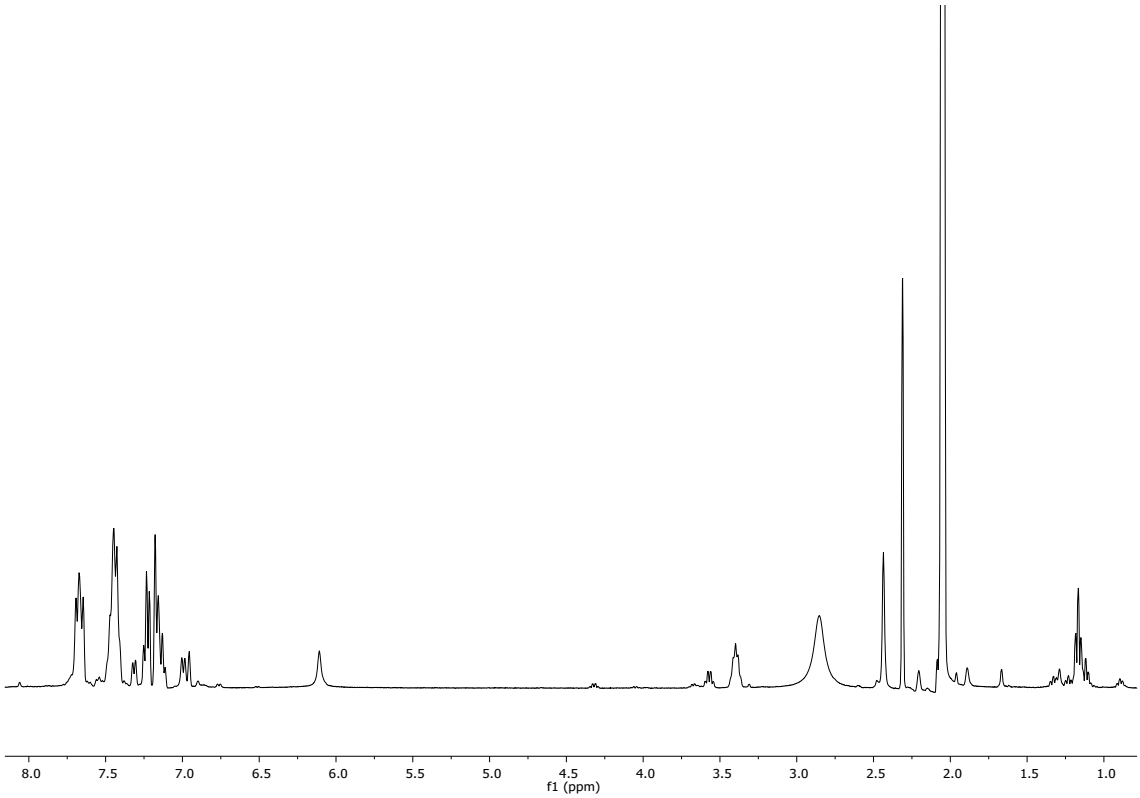


Triphenylphosphine-bearing platinacycles

2b PtL2(PPh_3)

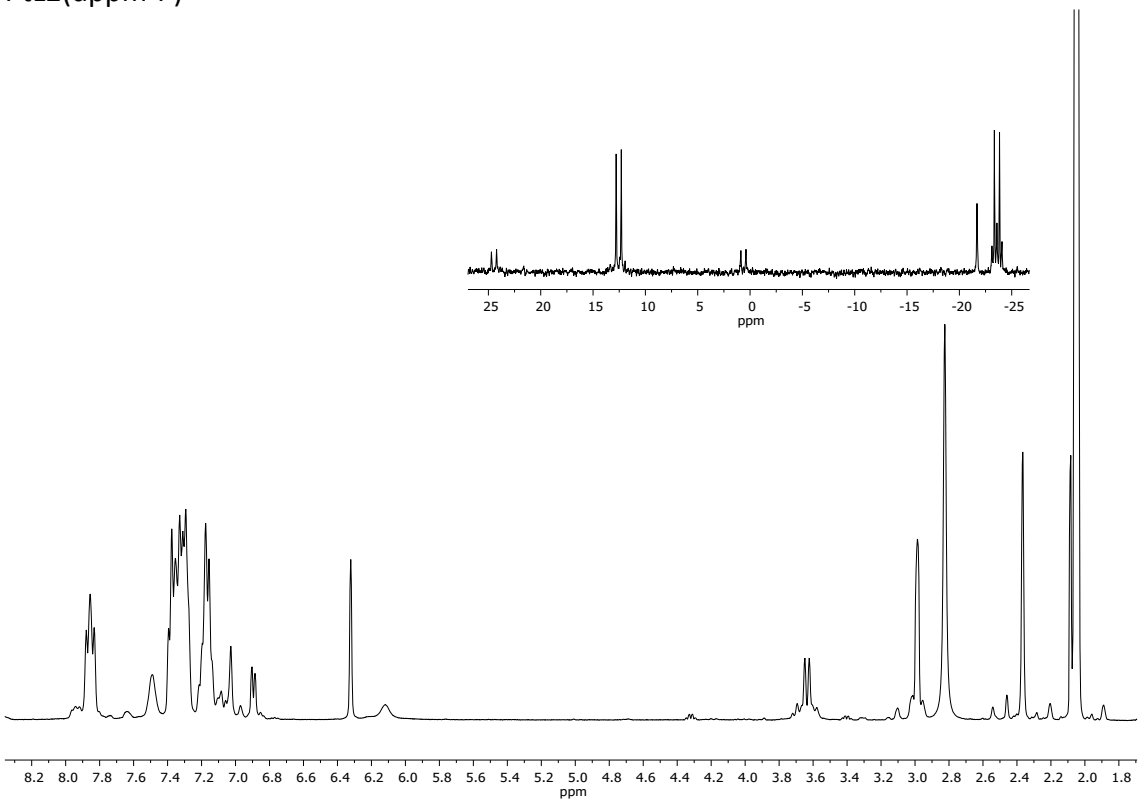


2c PtL3(PPh_3)

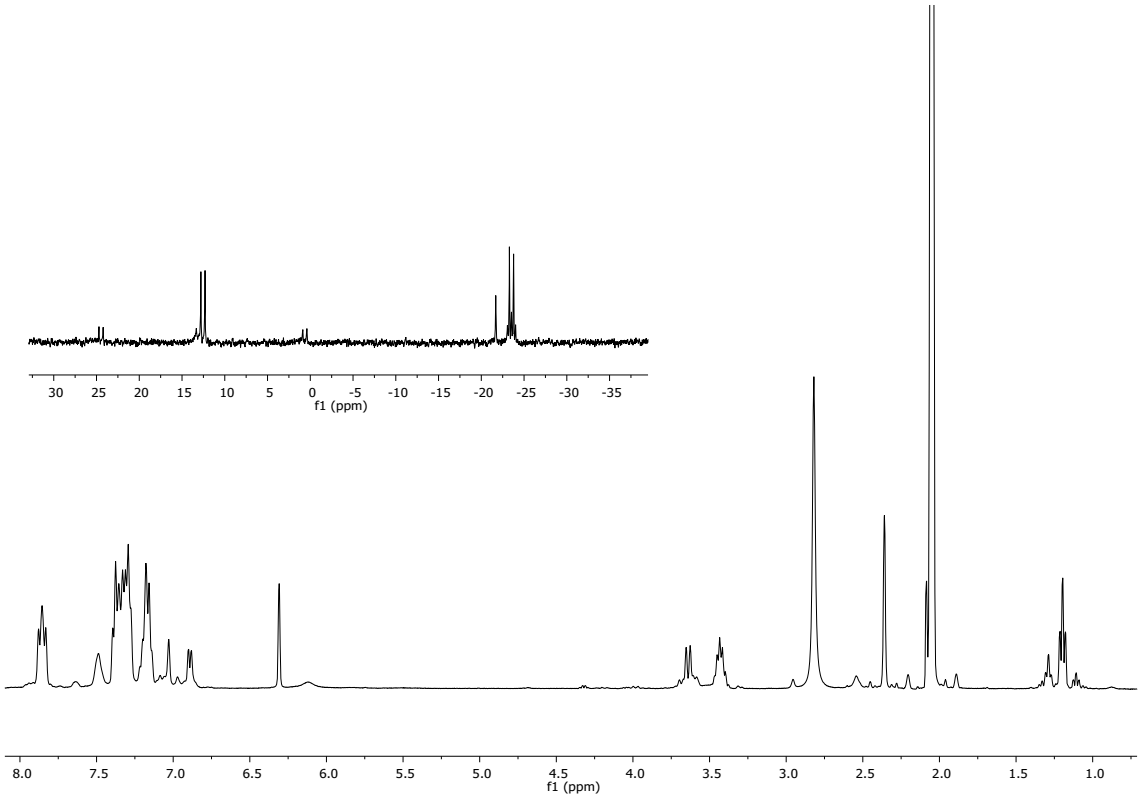


Dppm

PtL2(dppm-P)

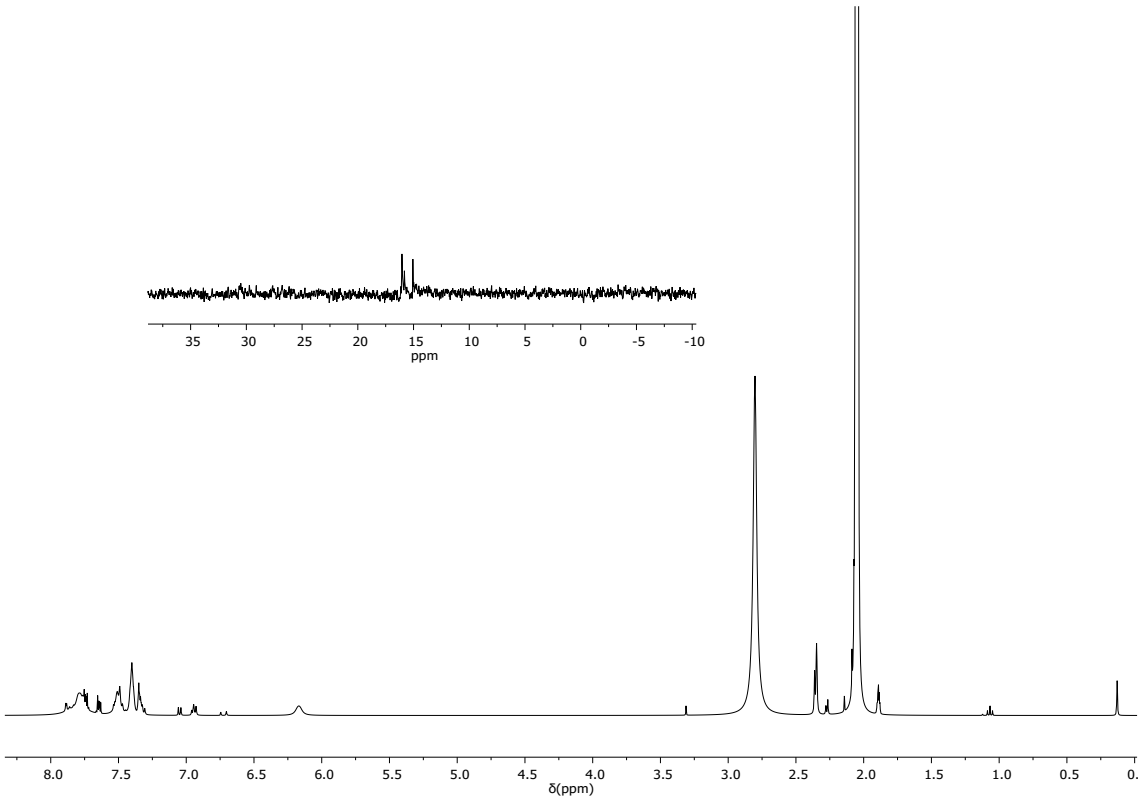


PtL3(dppm-P)

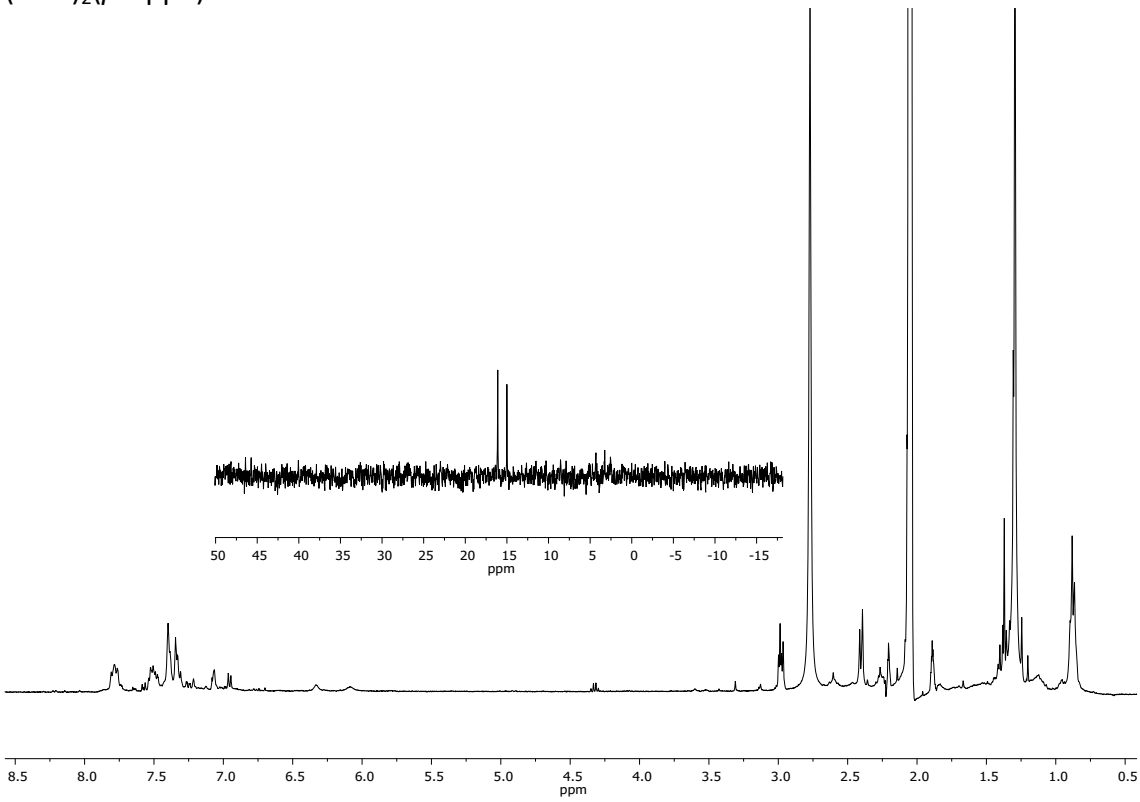


Dppb dinuclear compounds

$(PtL1)_2(\mu$-dppb)



$(PtL2)_2(\mu\text{-dppb})$



$(PtL3)_2(\mu\text{-dppb})$