

Supplementary information for:

**Pt(II) and Pd(II) complexes with a thiazoline derivative
ligand: Synthesis, structural characterization,
antiproliferative activity and evaluation of pro-apoptotic
ability in tumor cell lines HT-29 and U937.**

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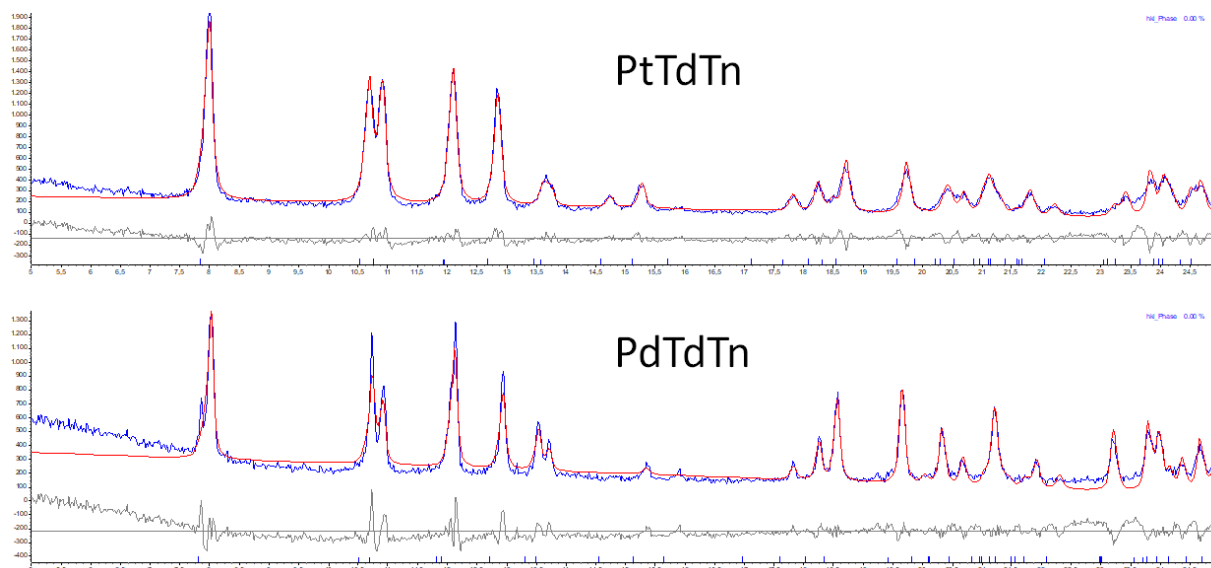


Figure S1. Rietveld refinement results for compounds as appreciable from experimental, calculated, and difference diffraction patterns. Peak markers are at the bottom. For the sake of clarity, the spectra were collected only above 25°. Horizontal axis: 2θ , deg. Vertical axis: counts.

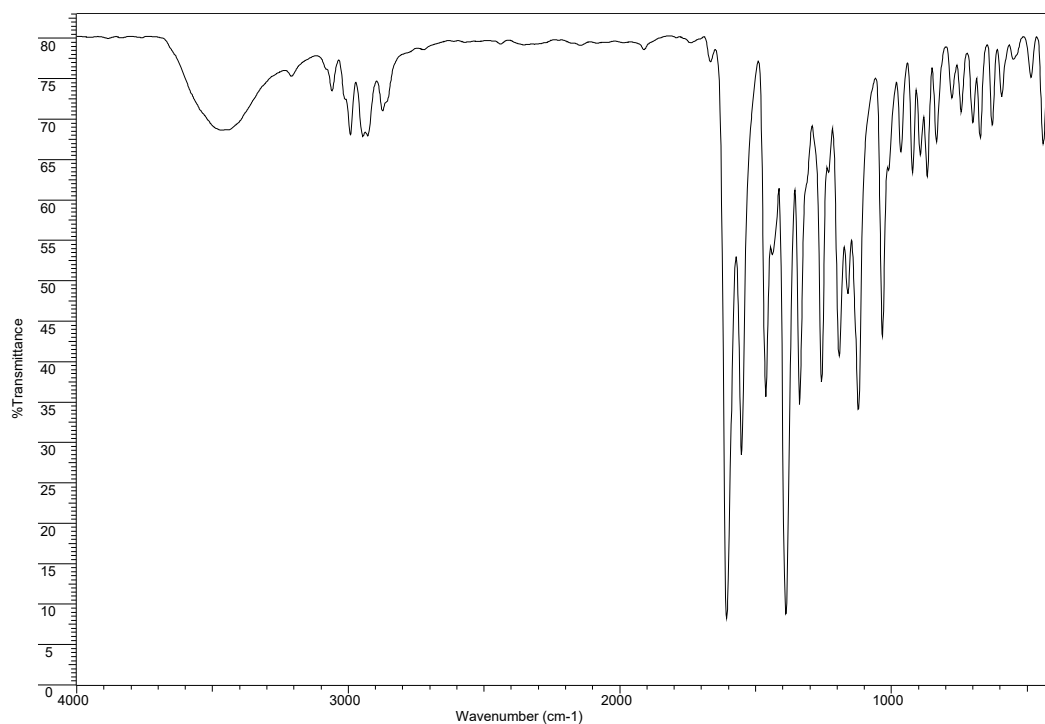


Figure S2. IR spectrum of $[PtCl_2(TdTn)]$ in $4000-400\text{ cm}^{-1}$ region.

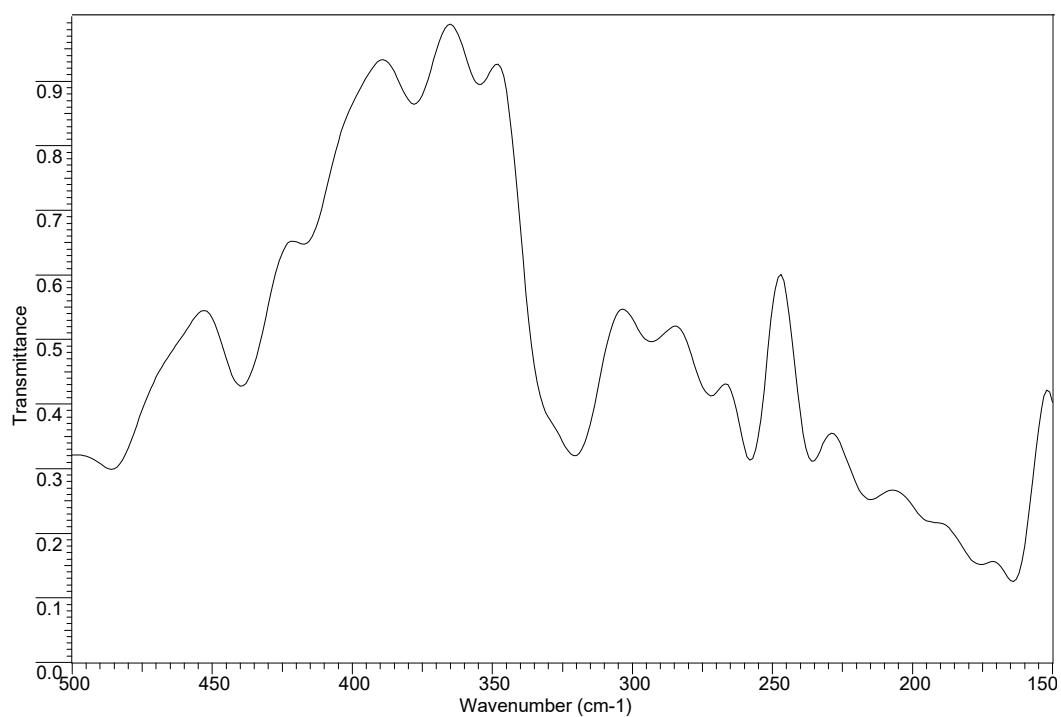


Figure S3. IR spectrum of $[PtCl_2(TdTn)]$ in $500-150\text{ cm}^{-1}$ region.

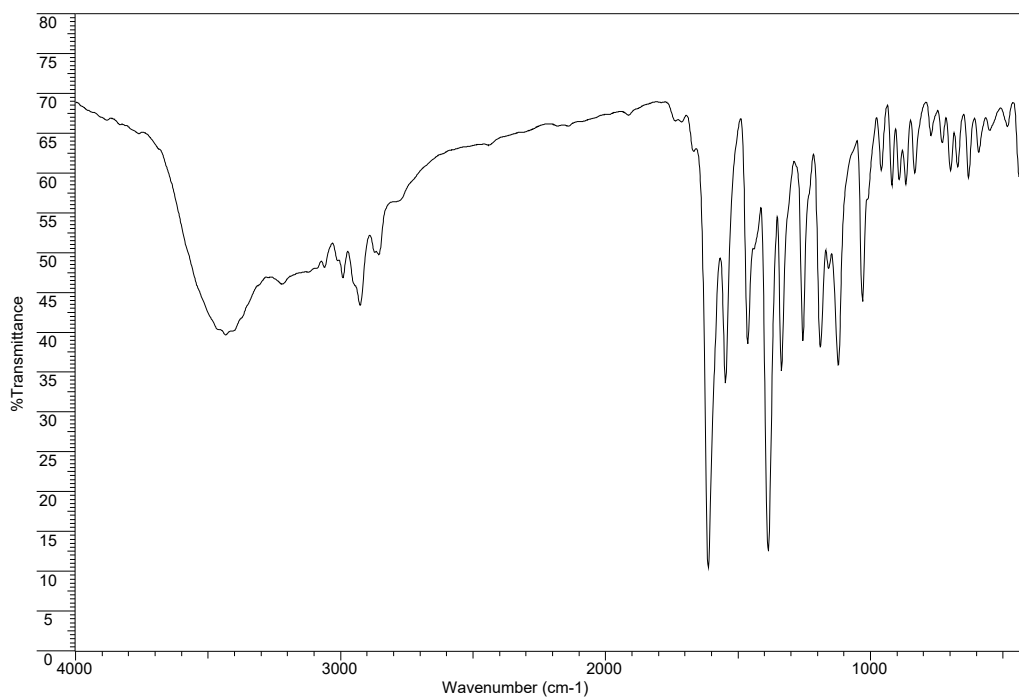


Figure S4. IR spectrum of $[PdCl_2(TdTn)]$ in $4000-400\text{ cm}^{-1}$ region.

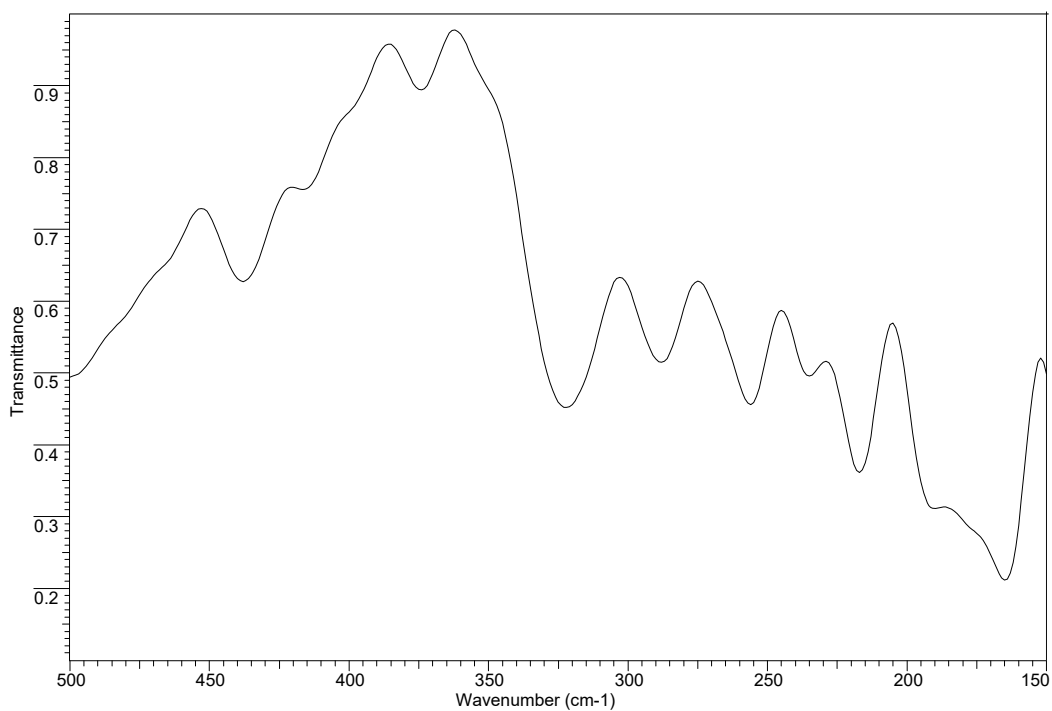


Figure S5. IR spectrum of $[PdCl_2(TdTn)]$ in $500-150\text{ cm}^{-1}$ region.

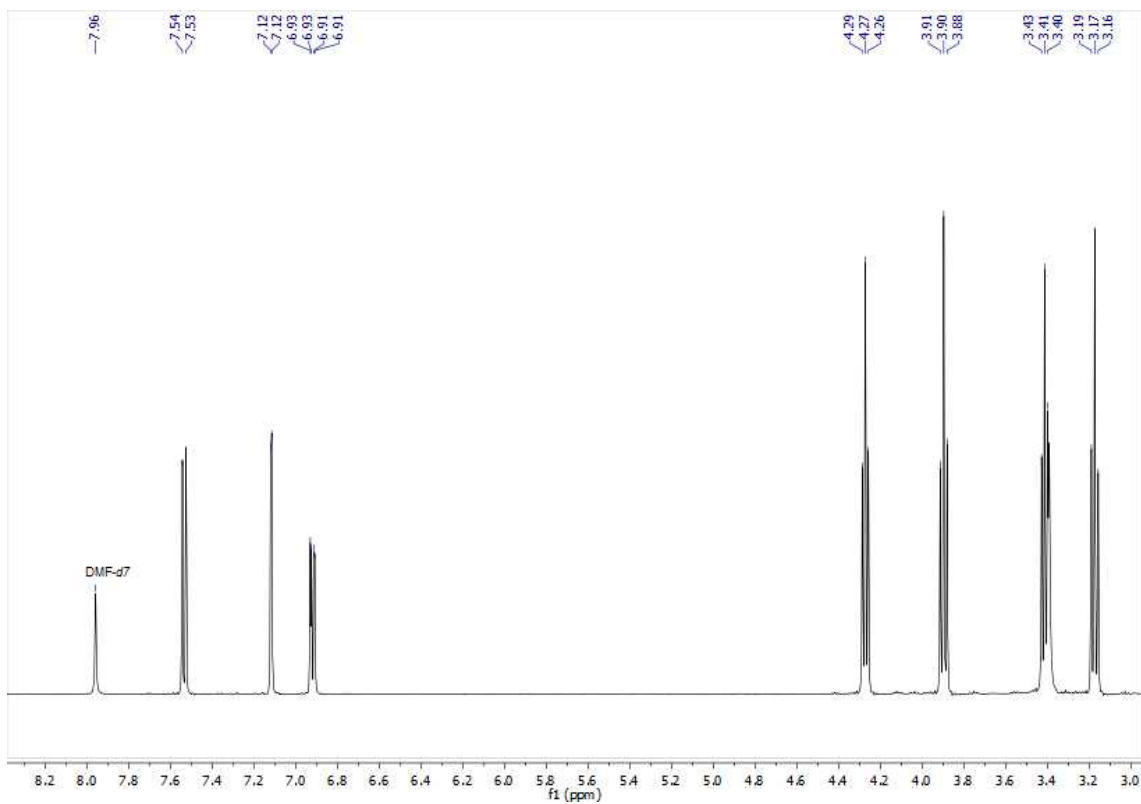


Figure S6. ^1H NMR spectrum of TdTn in DMF- d_7 .

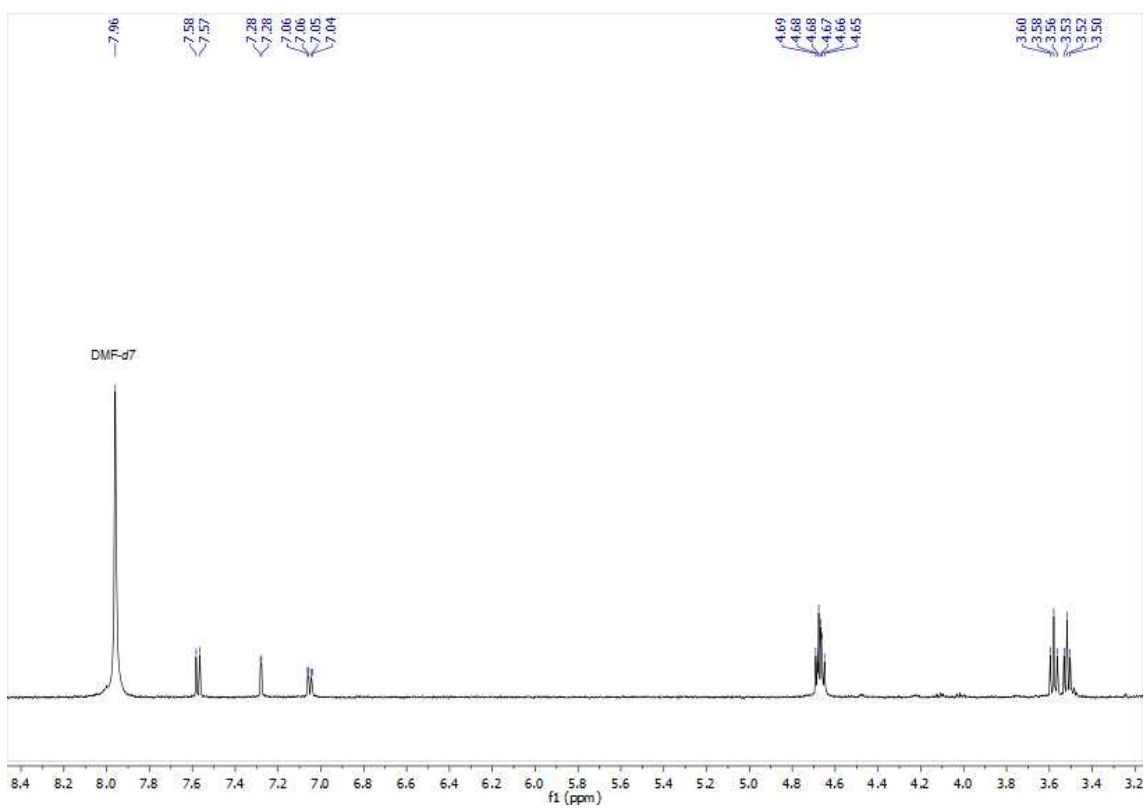


Figure S7. ^1H NMR spectrum of $[\text{PtCl}_2(\text{TdTn})]$ in DMF- d_7 .

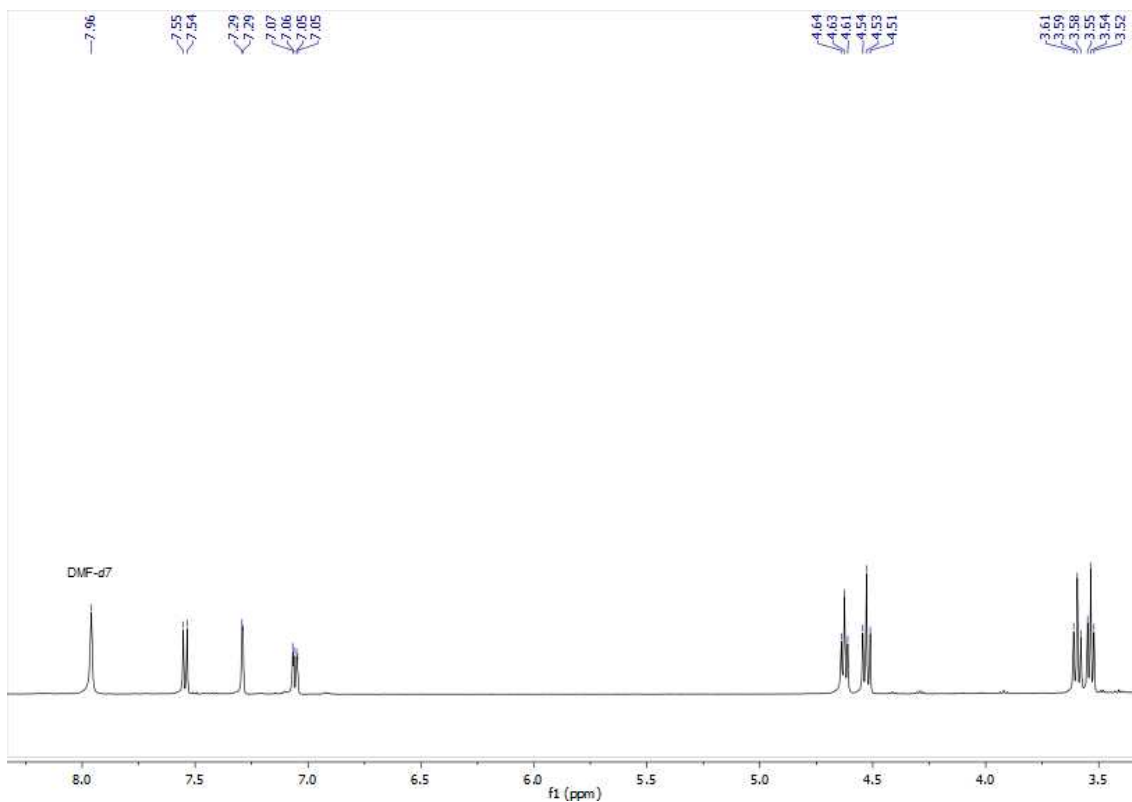


Figure S8. ^1H NMR spectrum of $[\text{PdCl}_2(\text{TdTn})]$ in DMF-d_7 .

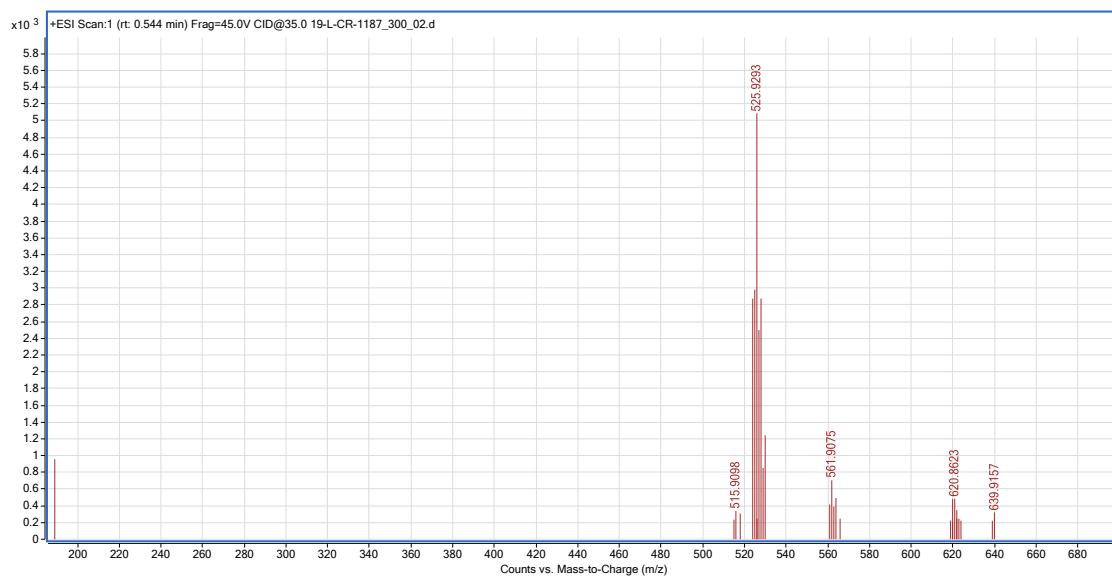


Figure S9. ESI-MS spectrum of $[\text{PtCl}_2(\text{TdTn})]$

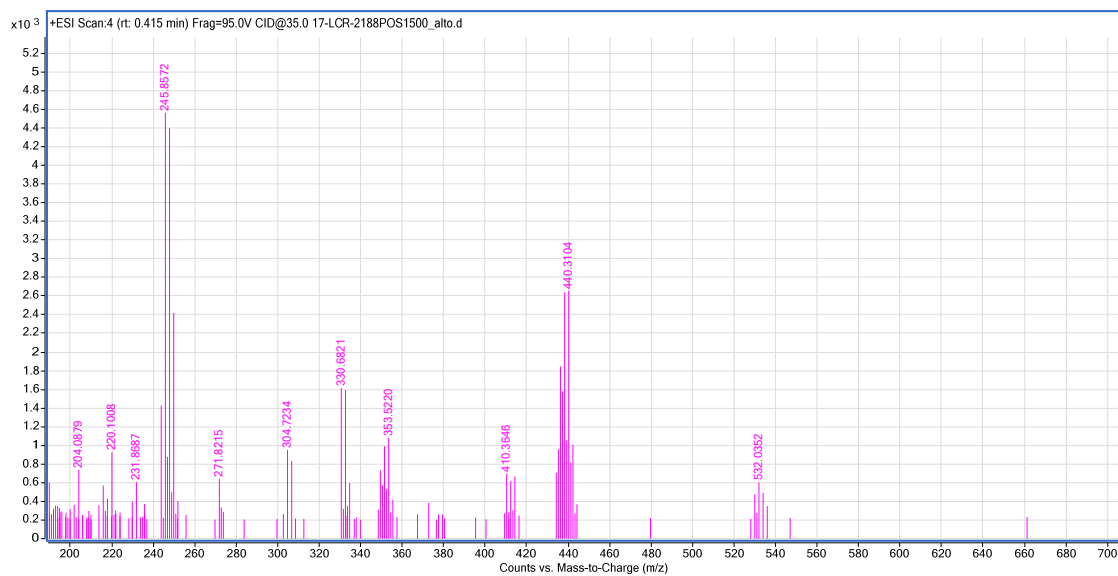
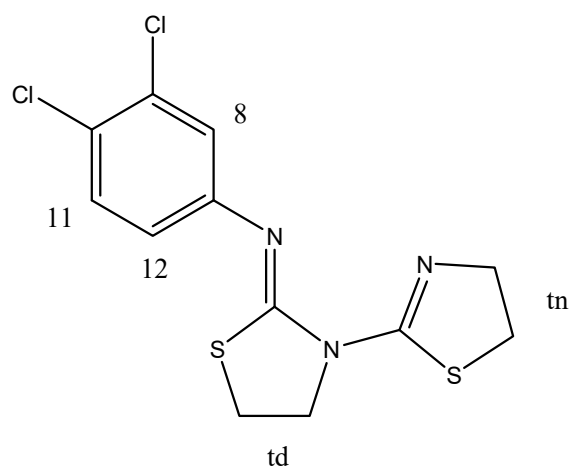


Figure S10. ESI-MS spectrum of $[PdCl_2(TdTn)]$

Table S1¹H NMR spectral data for TdTn and its Pt(II) and Pd(II) complexes in DMF-*d*₇ solvent

Compound	H(11)	H(12)	H(8)	N-CH ₂ (td)	N-CH ₂ (tn)	S-CH ₂ (td)	S-CH ₂ (tn)
TdTn	7.54	7.12	6.92	4.27	3.90	3.41	3.17
PtTdTn	7.57	7.28	7.05	4.68	4.67	3.52	3.58
PdTdTn	7.54	7.29	7.06	4.63	4.53	3.54	3.59