Electronic Supplementary Material (ESI) for New Journal of Chemistry.

Supplementary Information

For

Synthesis, characterization and absolute structures of palladium complexes of novel chiral acyclic tellurated Schiff base ligands

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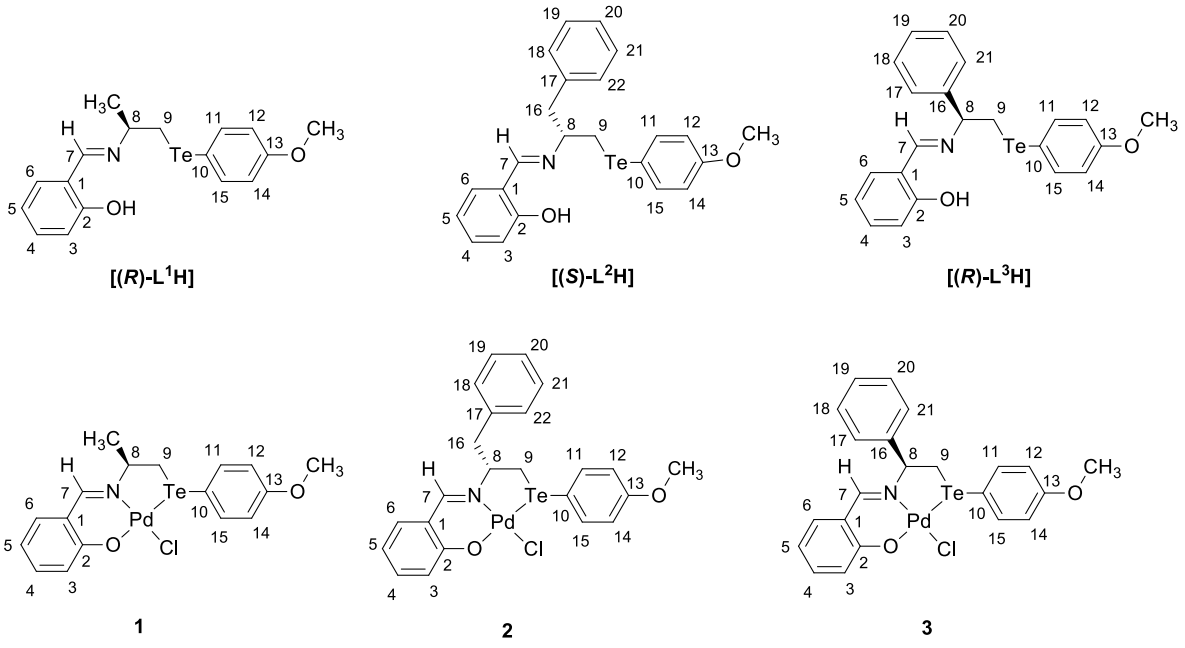

Chart S1. Novel chiral hybrid organotellurium ligands and their palladium complexes

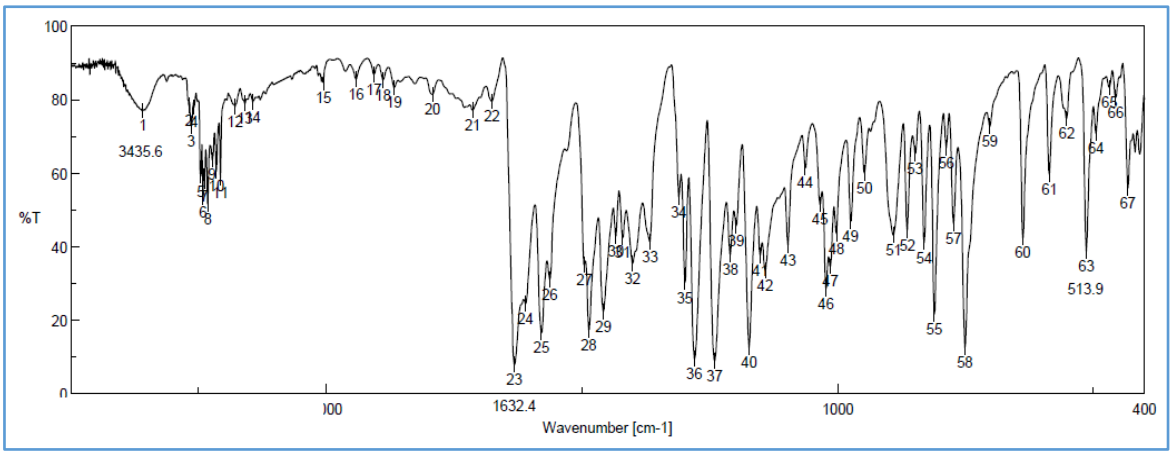

Figure S1-1 FT-IR spectrum of ligand, **(*R*)-L^{1}H**

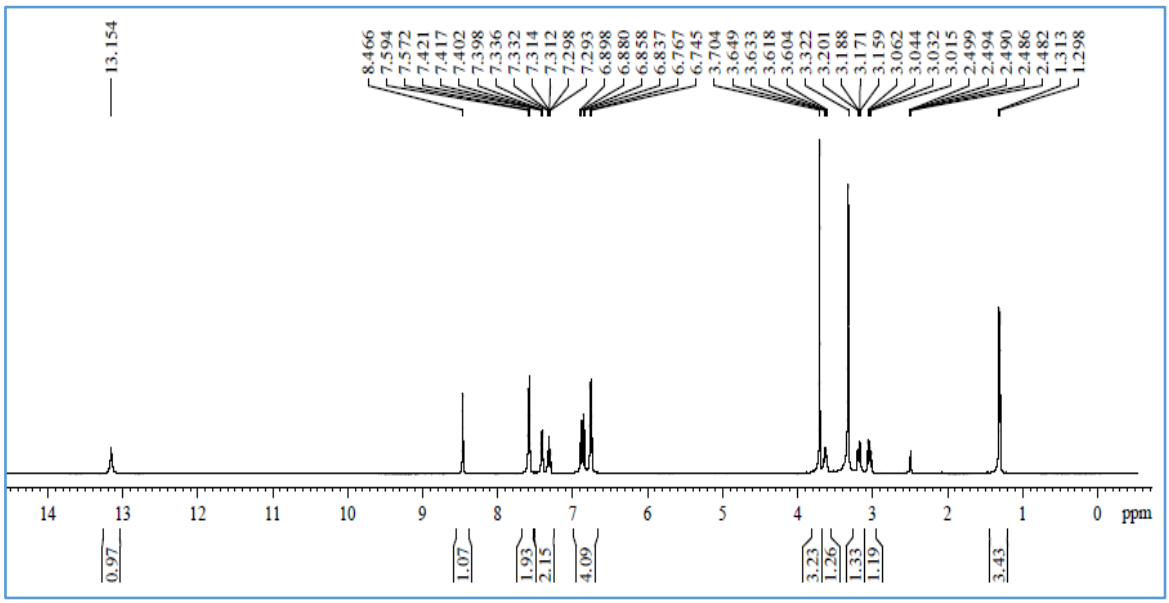

Figure S1-2 ^{1}H NMR spectrum of ligand, **(*R*)-L^{1}H**

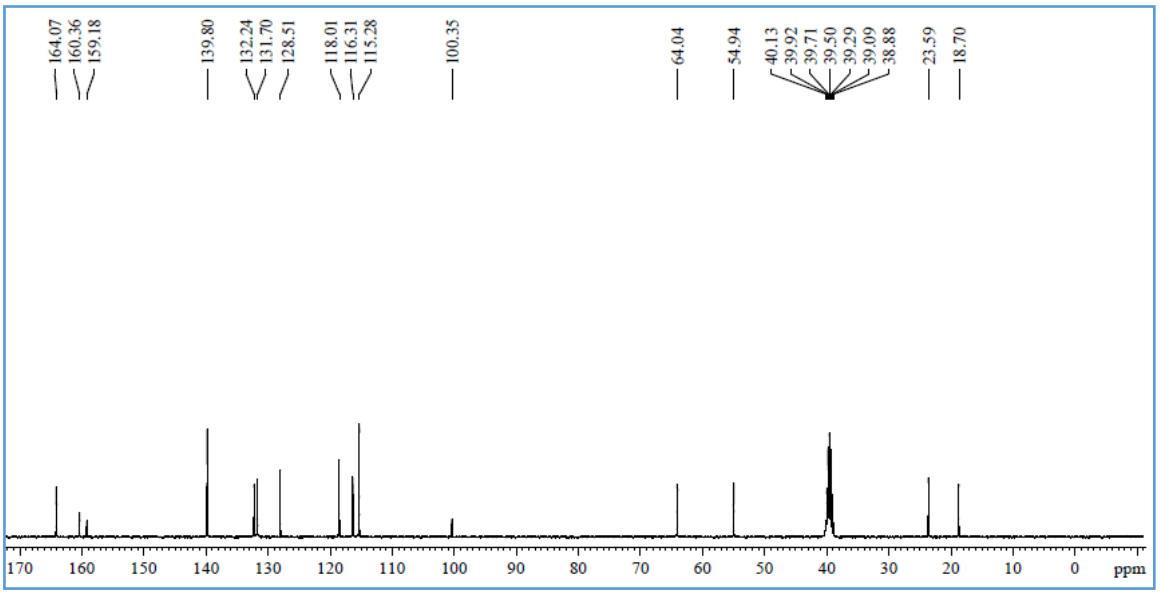

Figure S1-3 ^{13}C{^{1}H} NMR spectrum of ligand, **(*R*)-L^{1}H**

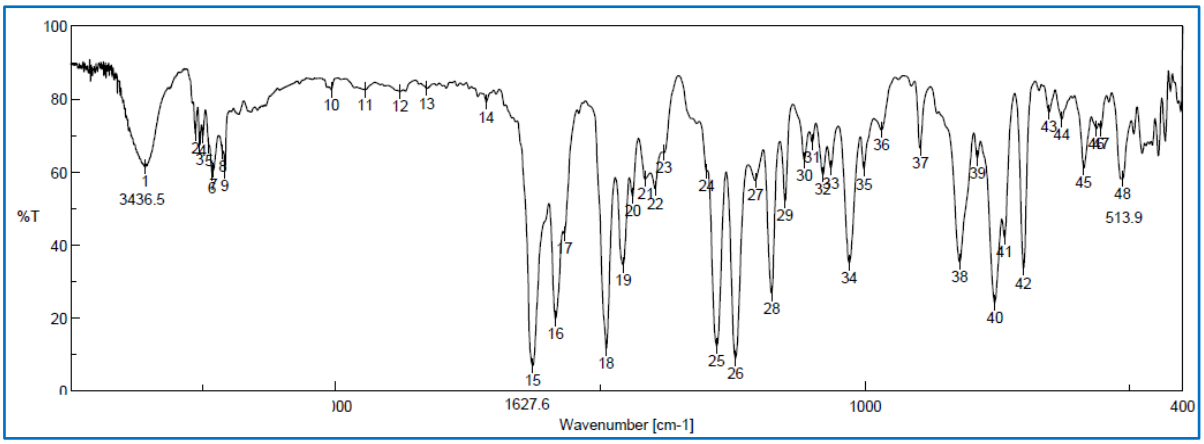

Figure S1-4 FT-IR spectrum of ligand, **(*S*)-L^{2}H**

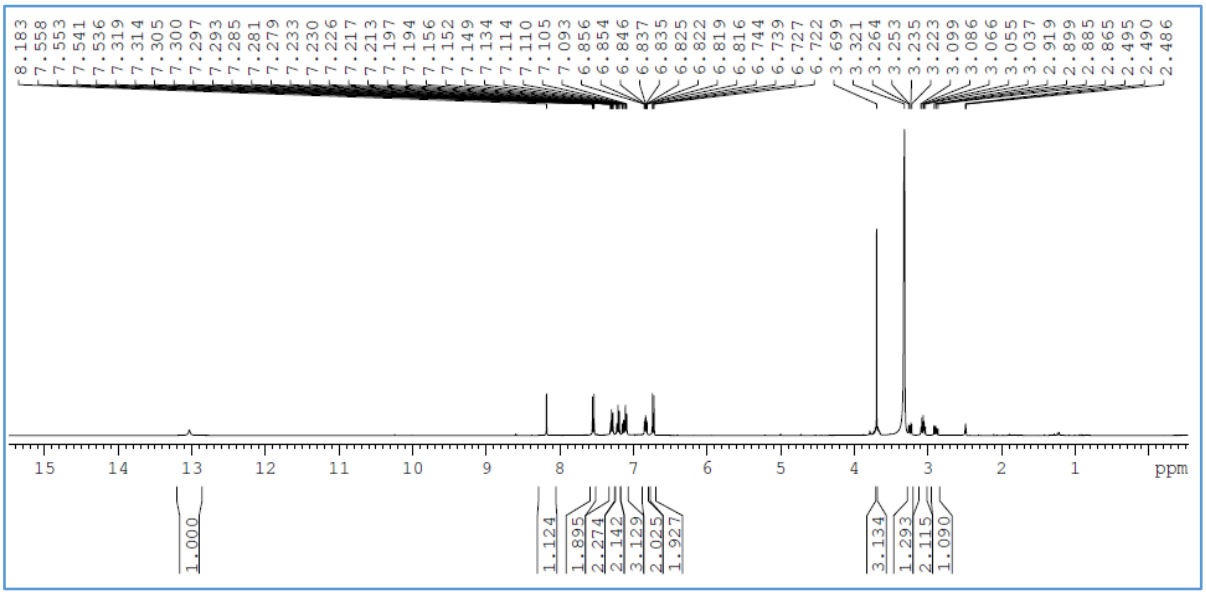

Figure S1-5 ^{1}H NMR spectrum of ligand, **(*S*)-L^{2}H**

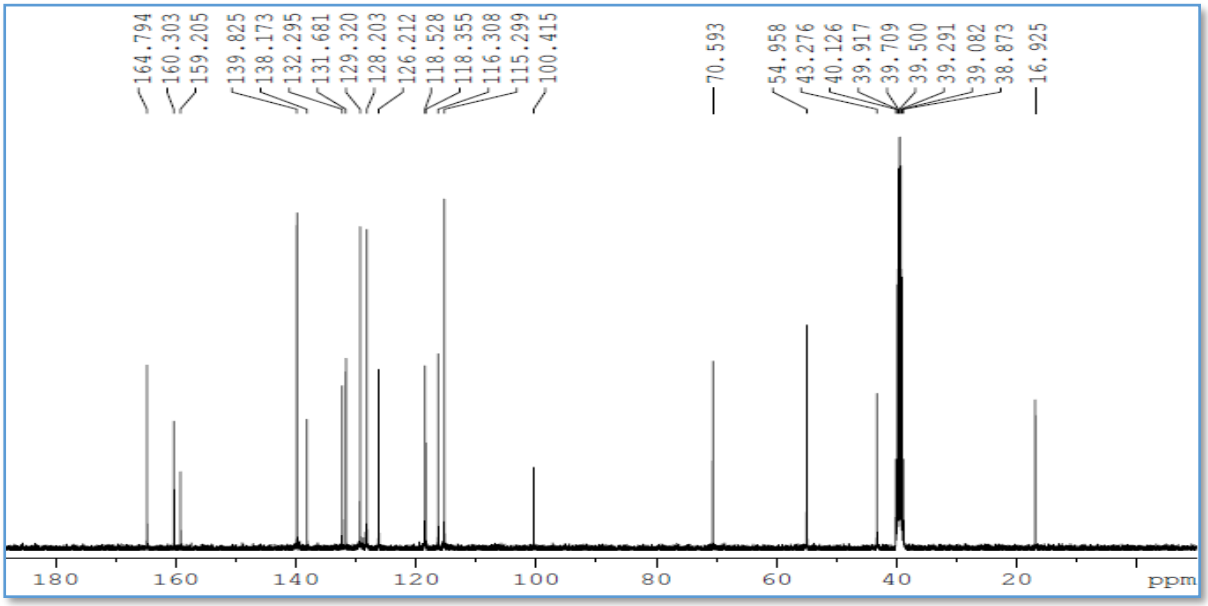

Figure S1-6 ^{13}C{^{1}H} NMR spectrum of ligand, **(*S*)-L^{2}H**

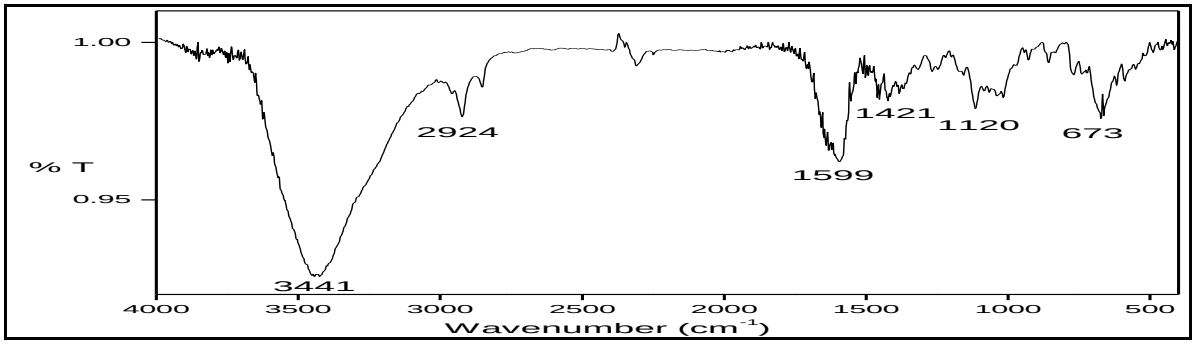

Figure S1-7 FT-IR spectrum of ligand, **(*R*)-L^{3}H**

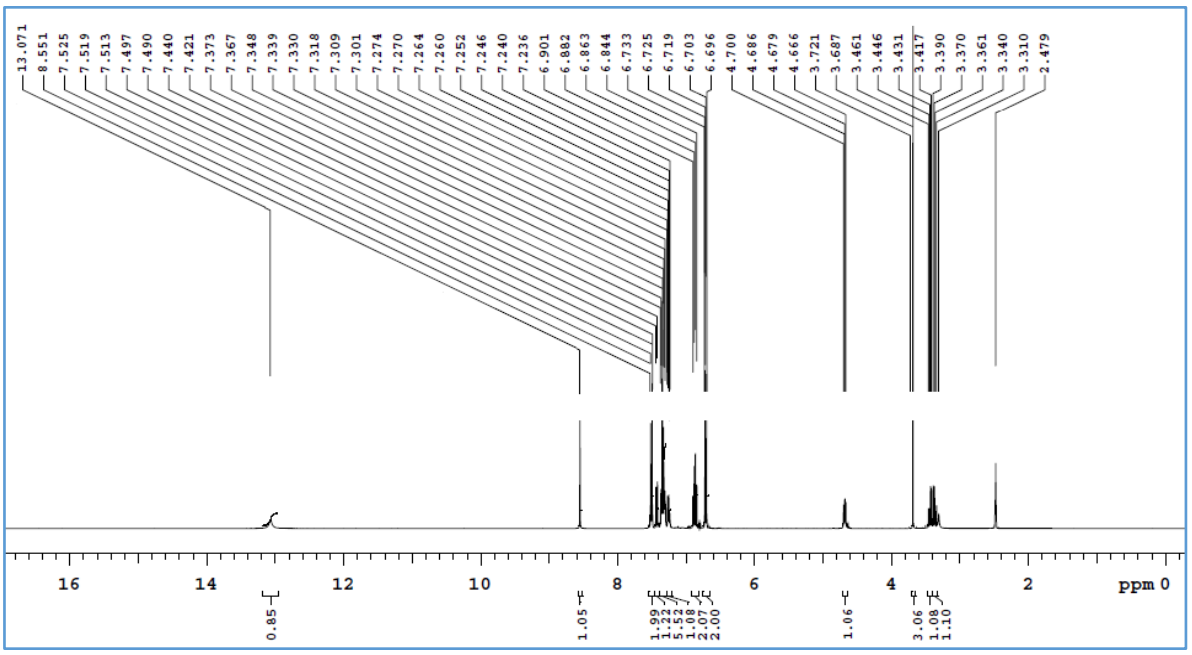

Figure S1-8 ^{1}H NMR spectrum of ligand, **(*R*)-L^{3}H**

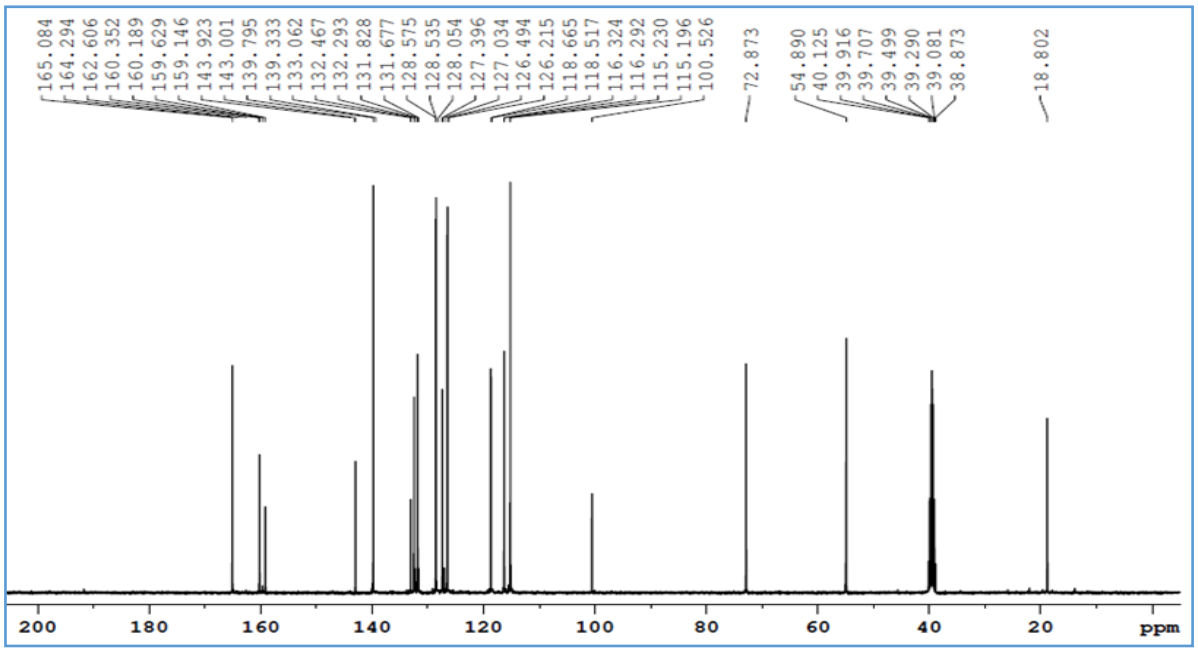

Figure S1-9 ^{13}C{^{1}H} NMR spectrum of ligand, **(*R*)-L^{3}H**

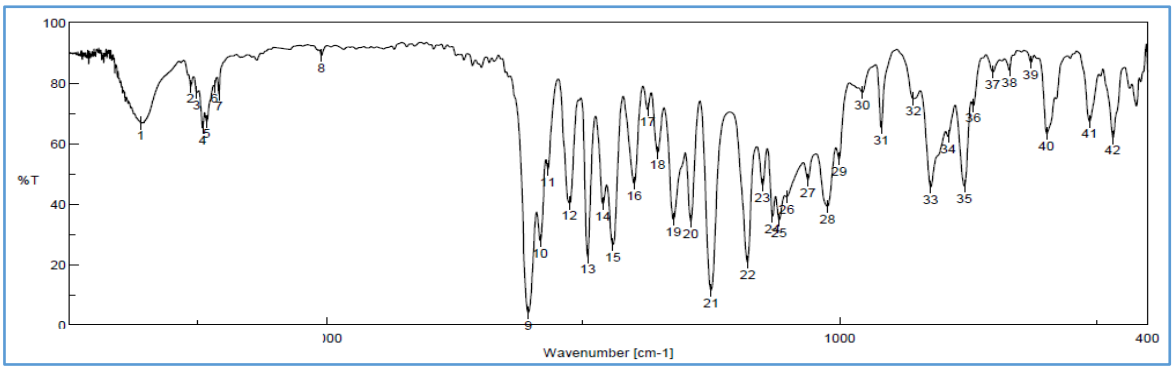

Figure S1-10 FT-IR spectrum of complex **1**

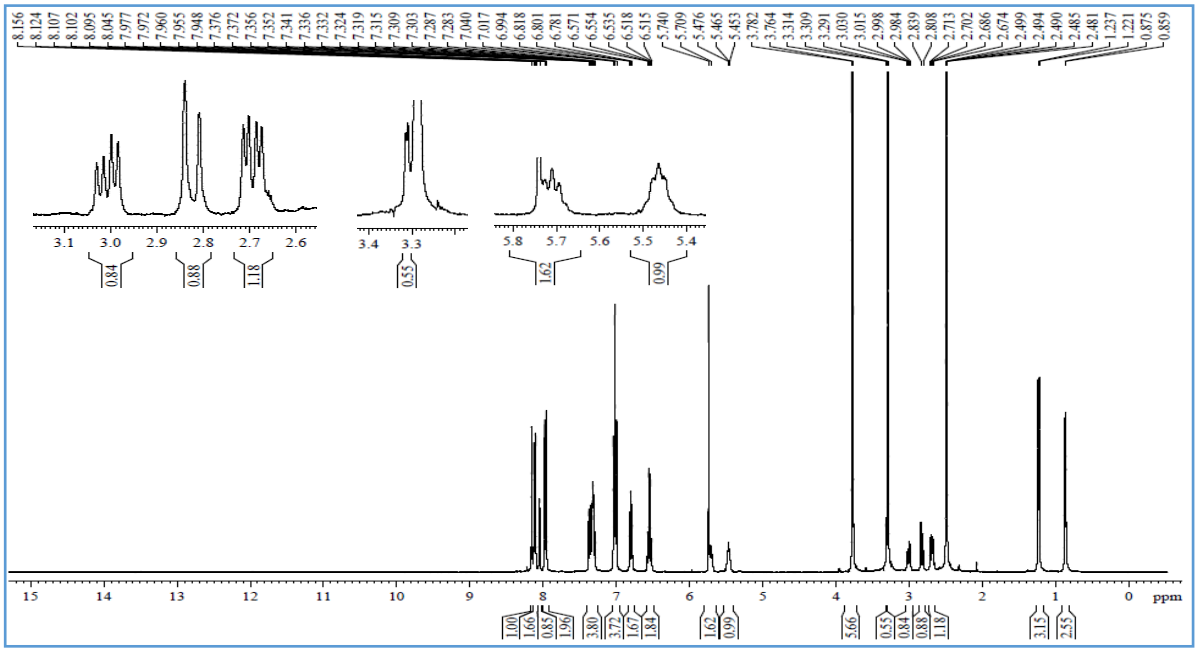

Figure S1-11 ^{1}H NMR spectrum of complex **1**

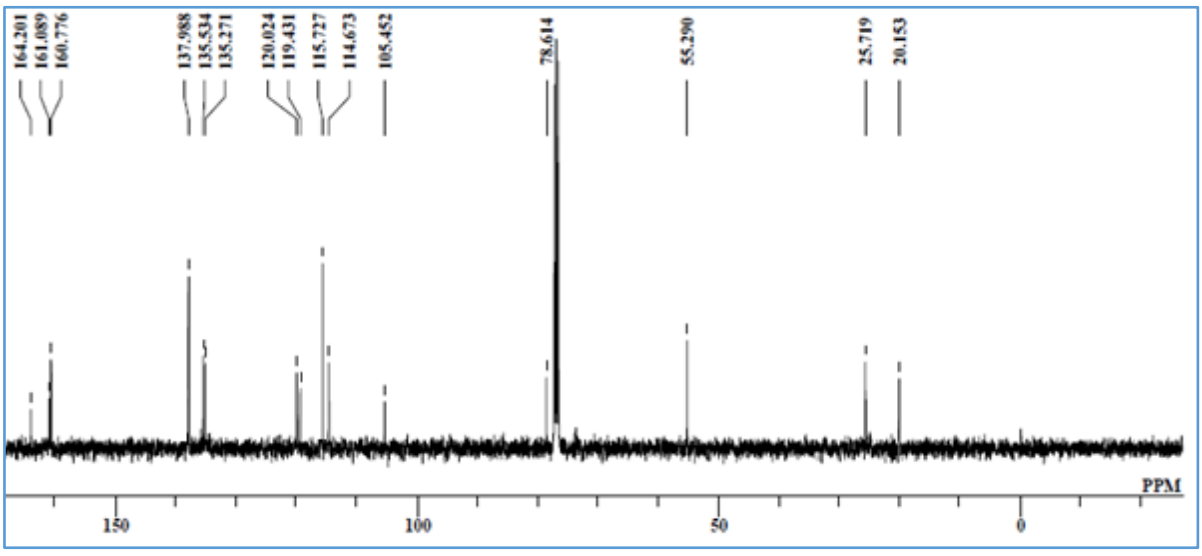

Figure S1-12 ^{13}C{^{1}H} NMR spectrum of complex **1**

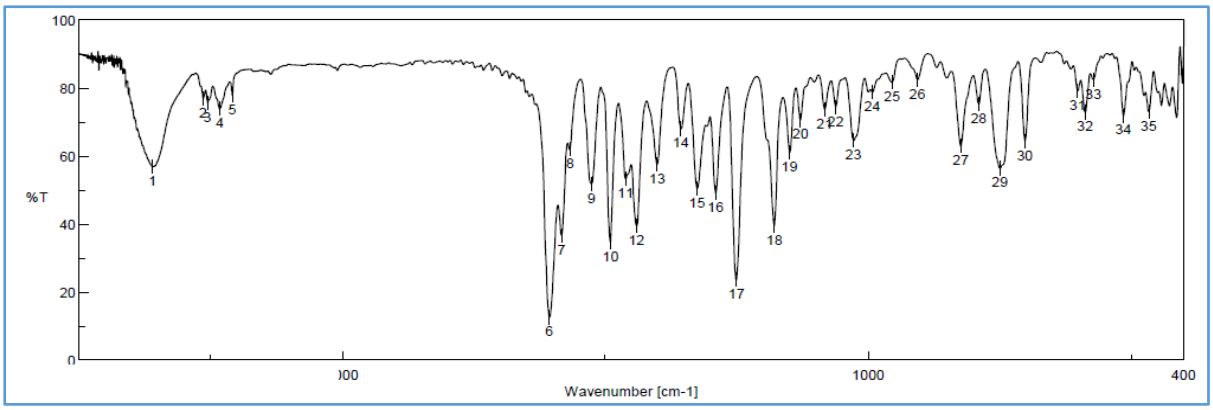

Figure S1-13 FT-IR spectrum of complex **2**

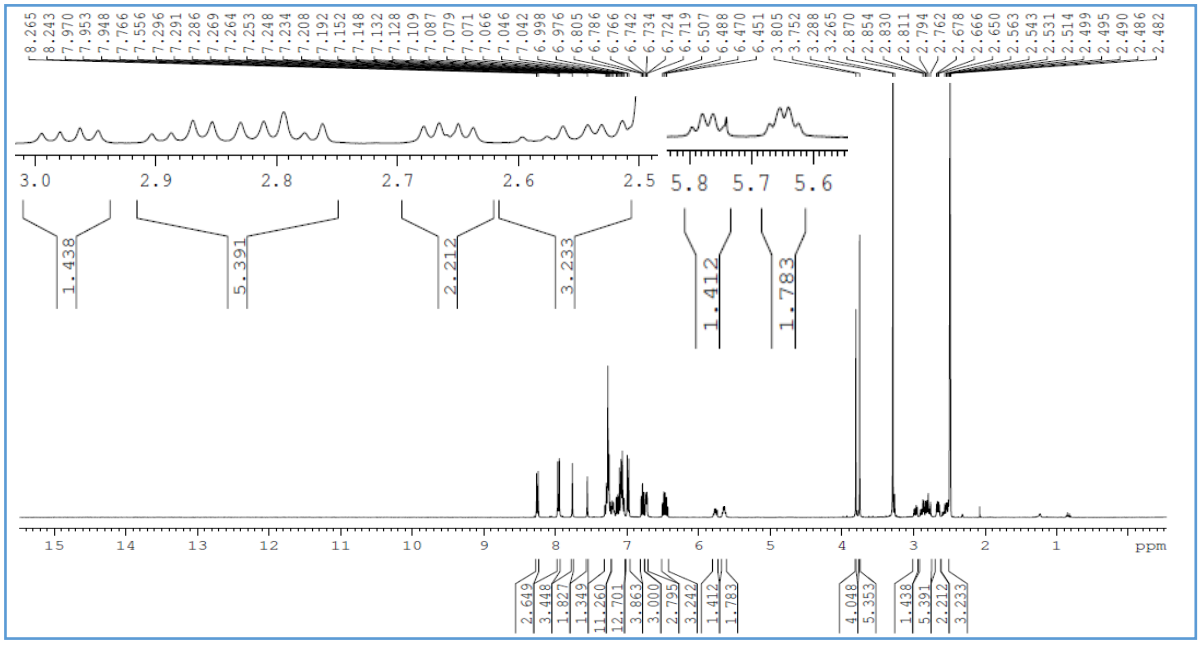

Figure S1-14 ^{1}H NMR spectrum of complex **2**

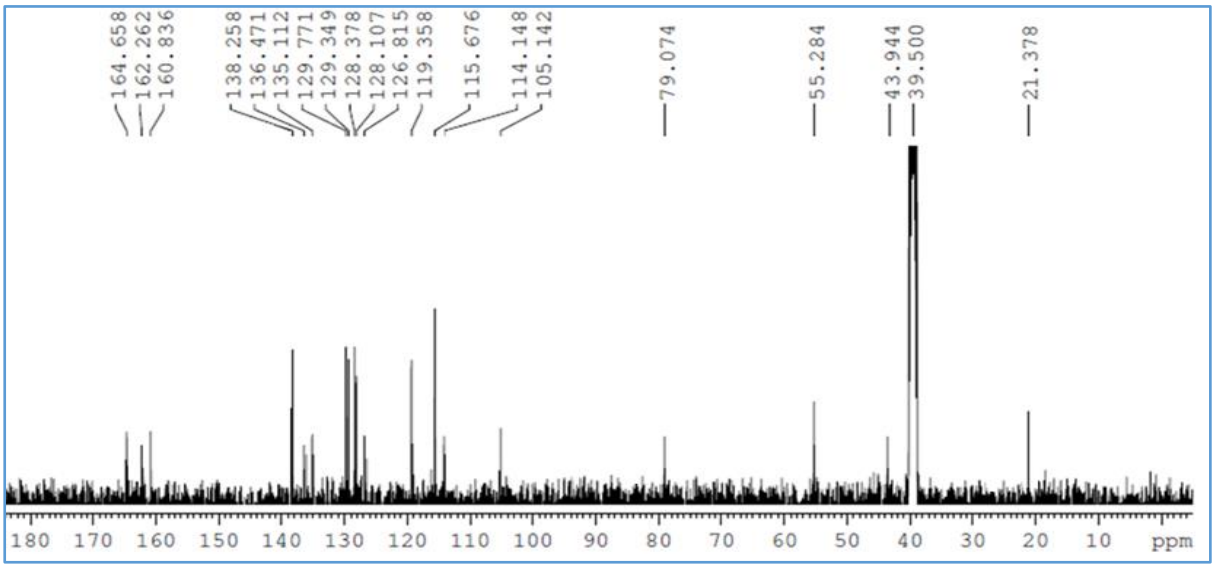

Figure S1-15 ^{13}C{^{1}H} NMR spectrum of complex **2**

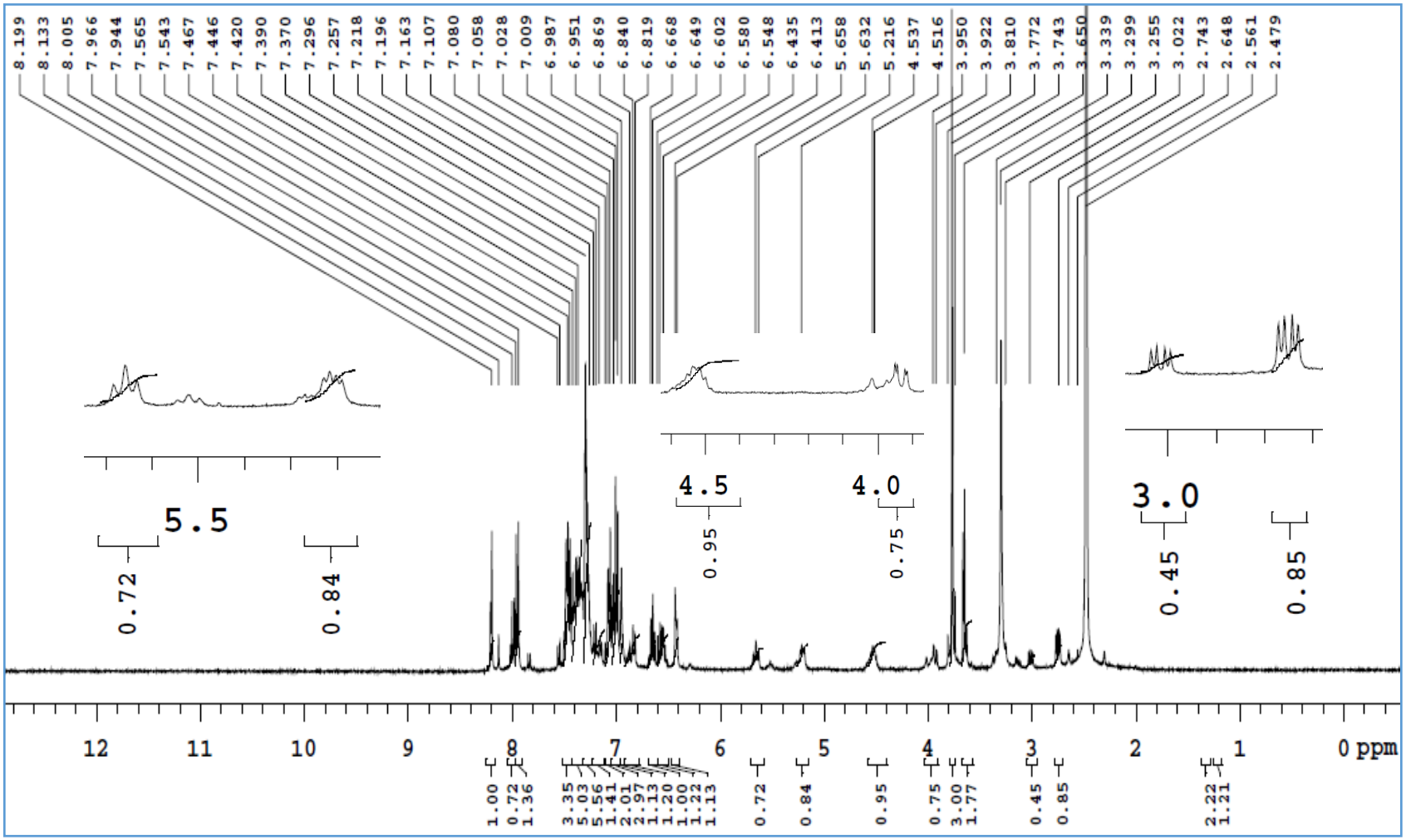

Figure S1-16 ^{1}H NMR spectrum of complex **3**

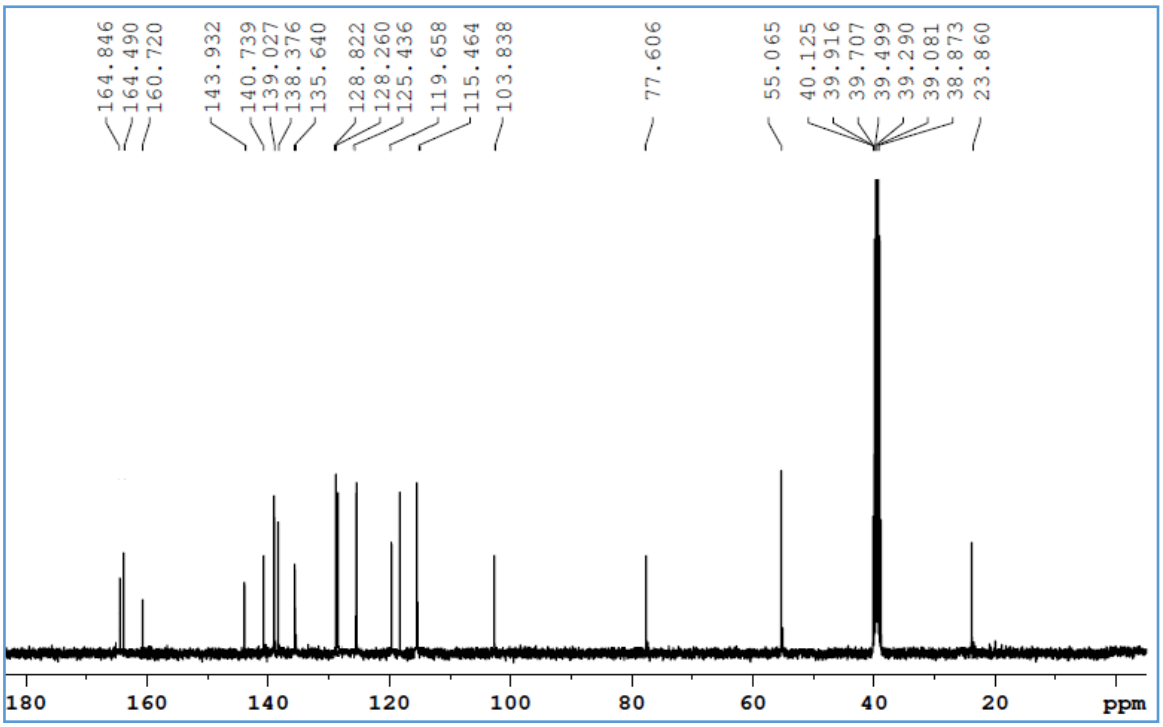

Figure S1-17 $^{13}C\{^{1}H\}$ NMR spectrum of complex **3**

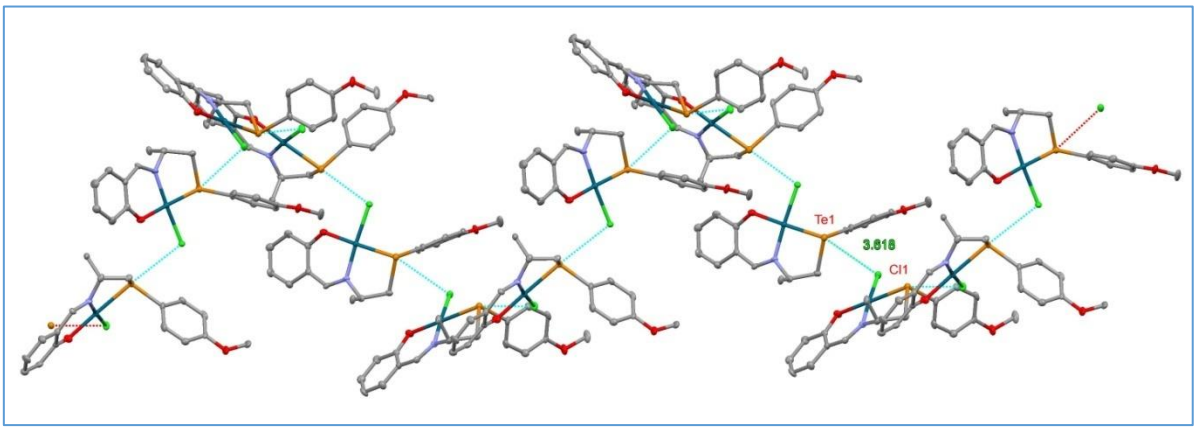

Fig. S1-18 Te···Cl secondary bonding interactions in [Pd(**(*R*)-L^{1}**)Cl] (**1**) (H atoms are omitted for clarity).

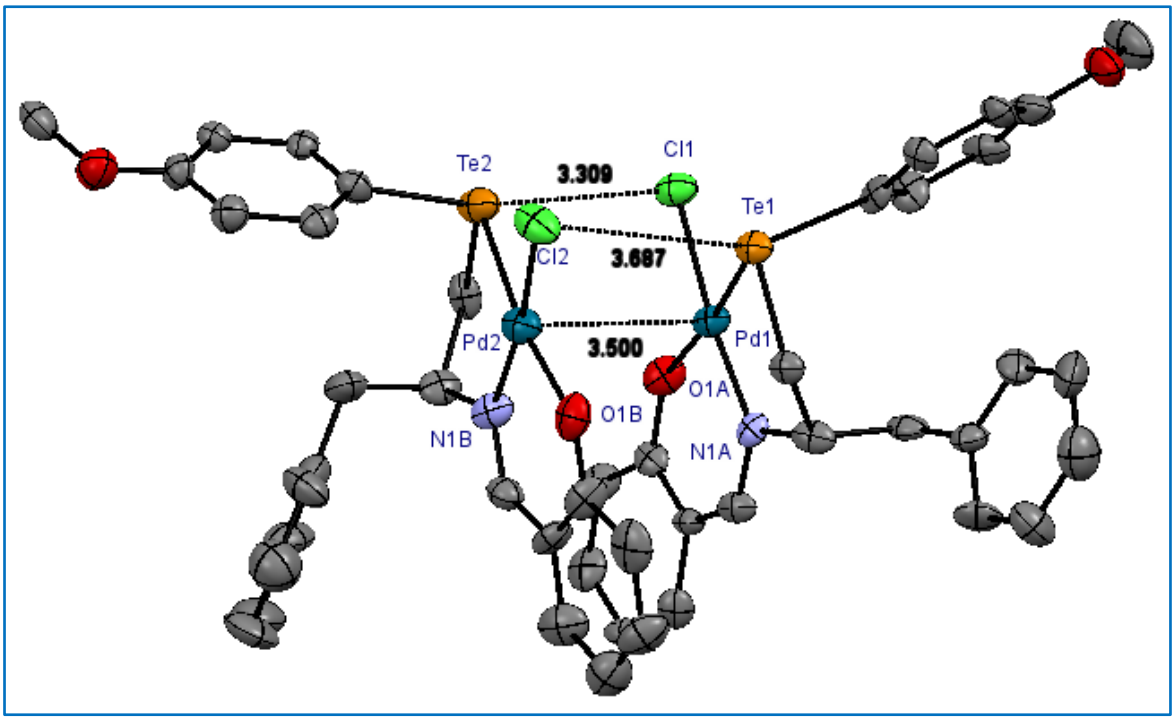

Fig. S1-19 Te···Cl Secondary bonding interactions in [Pd(**(*S*)-L²**)Cl] (**2**) resulting in bimolecular aggregates with a short Pd···Pd distance (H atoms are omitted for clarity).