## A new and convenient method for the preparation of 2,7-dihydro-l11dibenzo[c,e]tellurepin: reactions and ligand properties

## **Abstract**

Treatment of 2.2'-bis(bromomethyl)biphenyl with potassium tellurocyanate in dry **DMSO** 1,7-dihydro-111gave dibenzo[c,e]tellurepin (1) in 60Vo yie]td as an unexpected pioduct. The iollowing new derivatives of t have been greparyd; .C,\*H,rTeCl, {2), C,oH,rTeBr, (3).CrlH rrTel. CrlHr2Te(CH3X (5) anct C,oH,rTe(CrH.)I (6). Mononuclear and dinuclear palladium complexes li.e. rcr.4Hr2)2pdcl2 (7) and [(C,oHr2Te)pdcl2]2 (g)] were prepared by the reaction of I with PdCl2(PhCN), and NarPdCl.r, respeCtively. Reaciion of RhClr.3HrO with an excess of I gave the monomeric Rh(I) complex, (Cr4Hr2Te).,RhCl (9). Compound I readily forms a I: 1 charge-transfer complex with TCNE while- it reduces the carbonvl groups in DDO and TCO to hydroxyl groups. Conductivity, UV-Vis, IR and rH- and '3C-NMR clata for the new compounds are presented and discussed