

Supporting Information

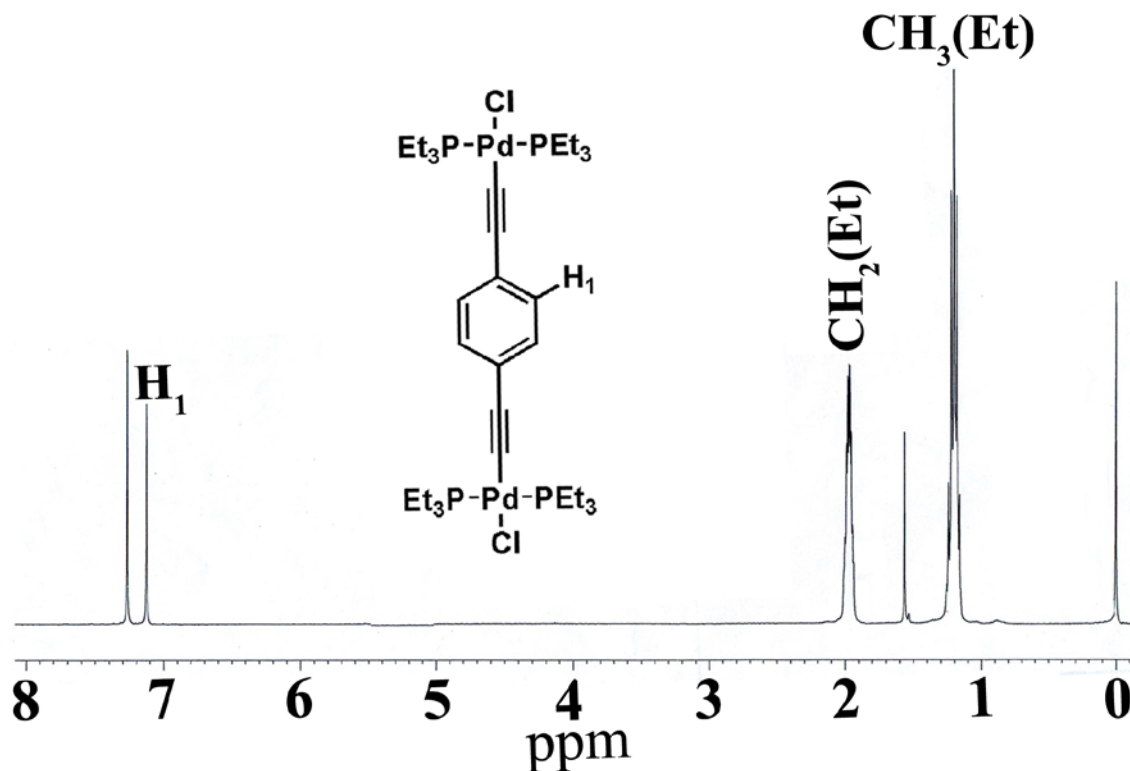
Self-assembly of neutral and cationic Pd^{II} organometallic molecular rectangles: syntheses, characterizations and nitroaromatics sensing

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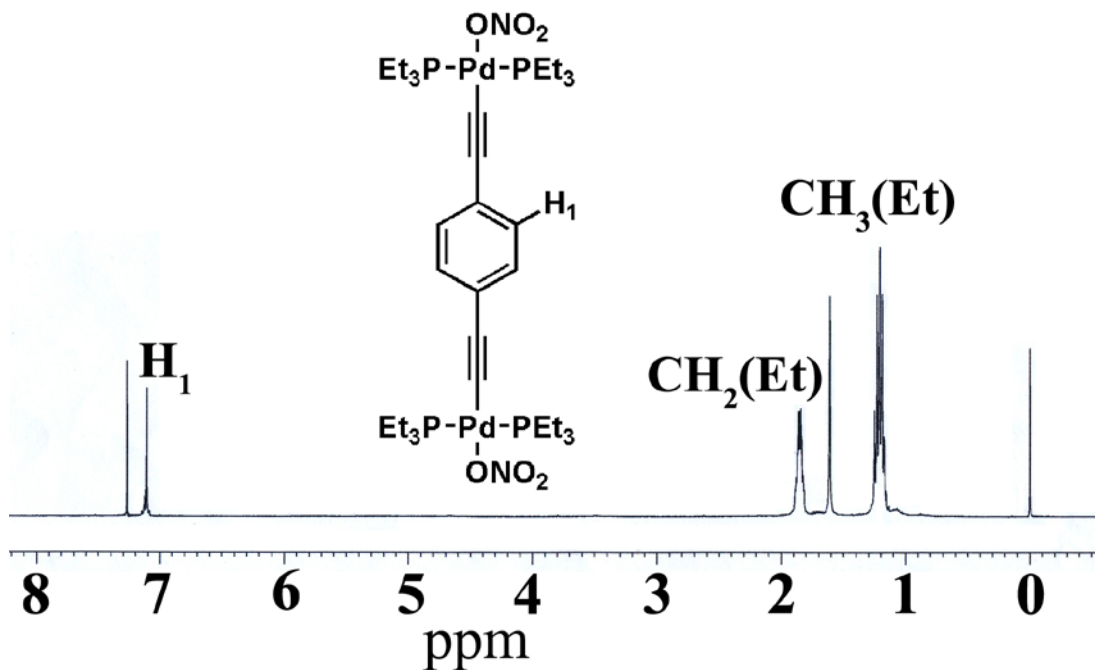


Fig.S1. ^1H NMR spectra of the 1,4-bis[*trans*-(ethynyl)Pd(PEt₃)₂(Cl)]benzene (top) and M_2 (bottom) recorded in chloroform.

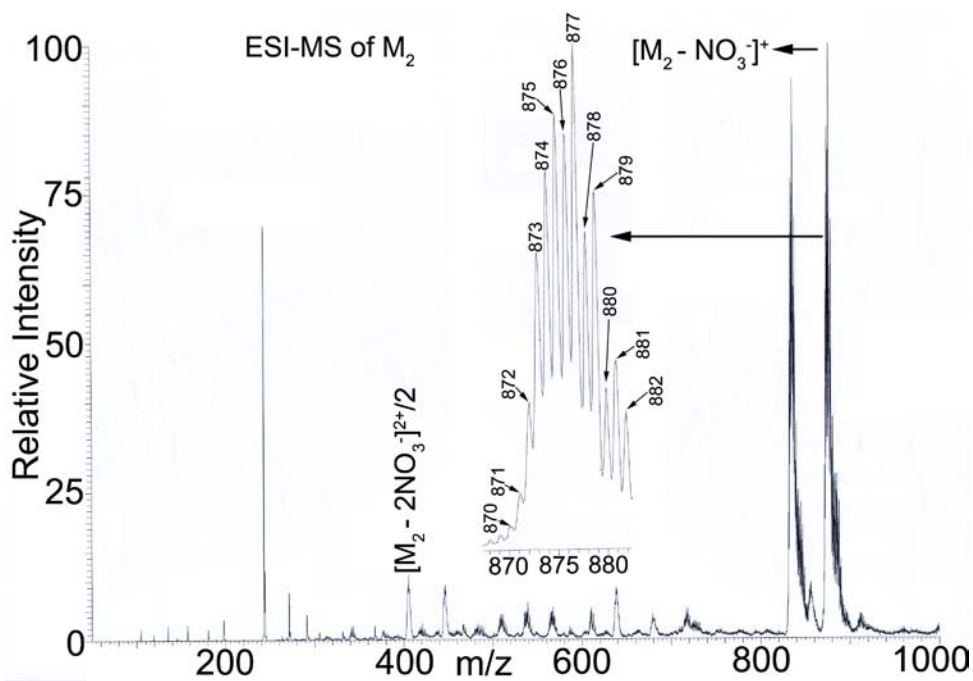


Fig.S2. ESI-MS spectra of M_2 along with isotopic distribution pattern (inlet).

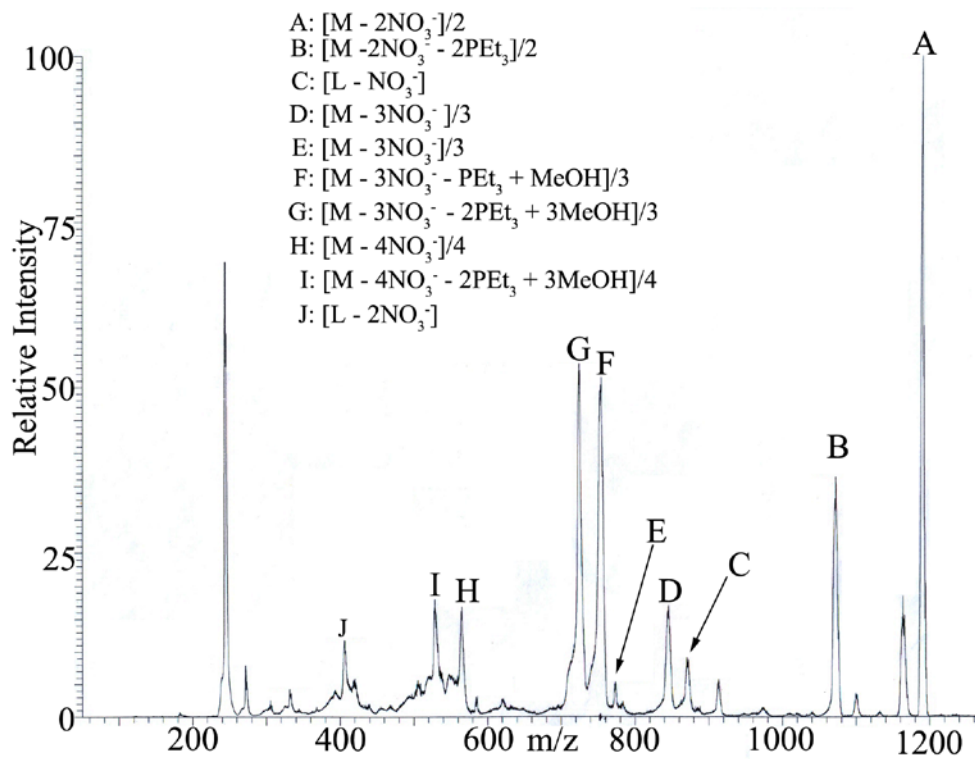
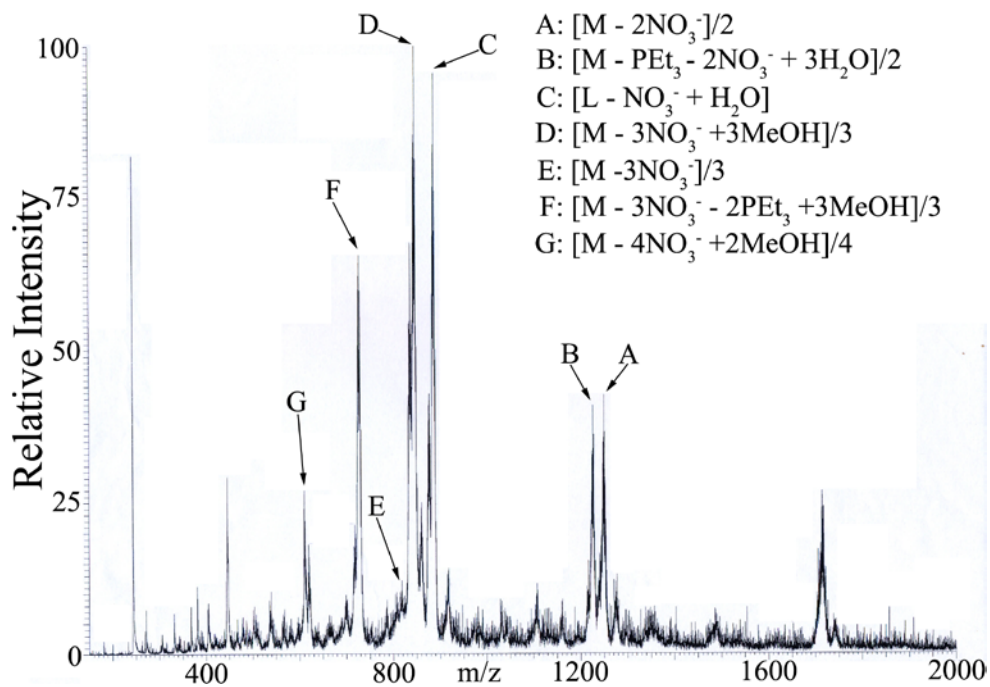


Fig.S3. ESI-MS spectra of the complex **2** (top) and complex **3** (bottom).

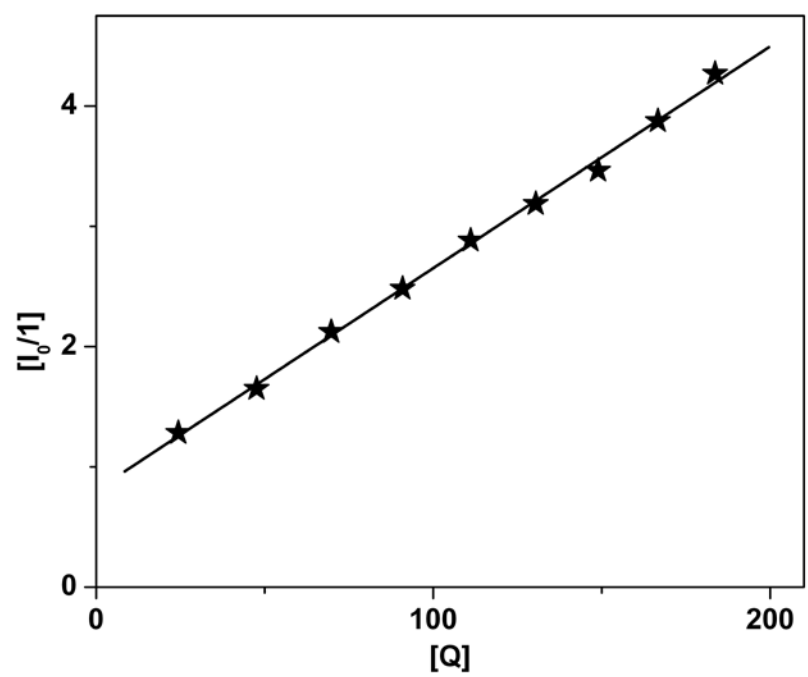
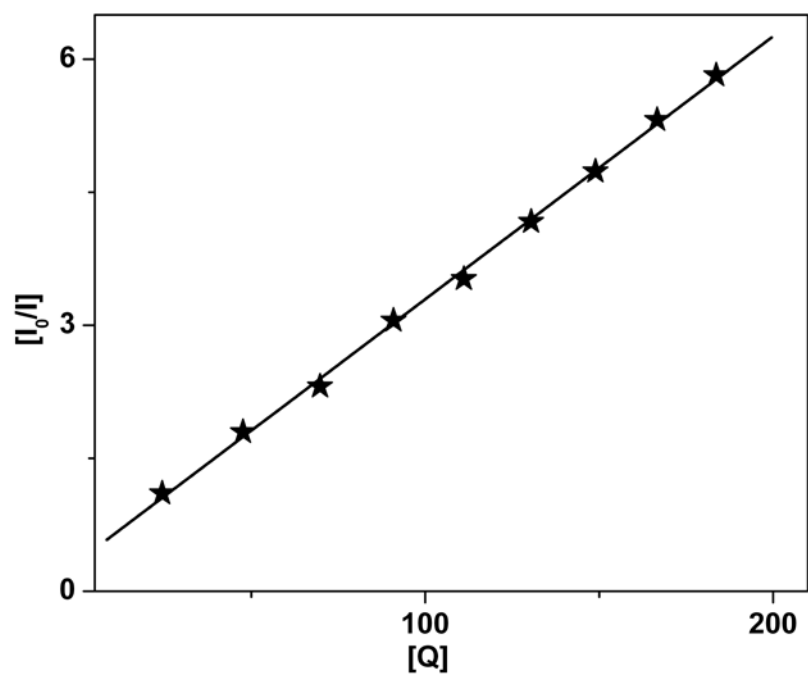


Fig.S4. Calculated Stern-Volmer plot of the complex 1 (top) and complex 2 (bottom).

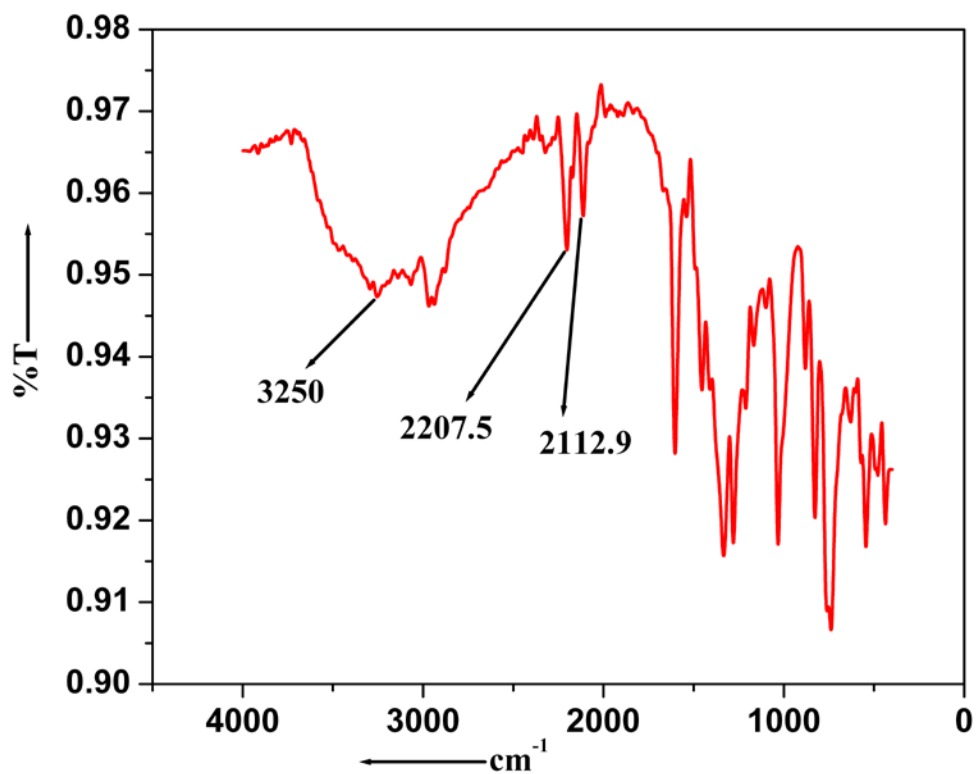


Fig.S5. KBr phase IR spectrum of the complex 3.

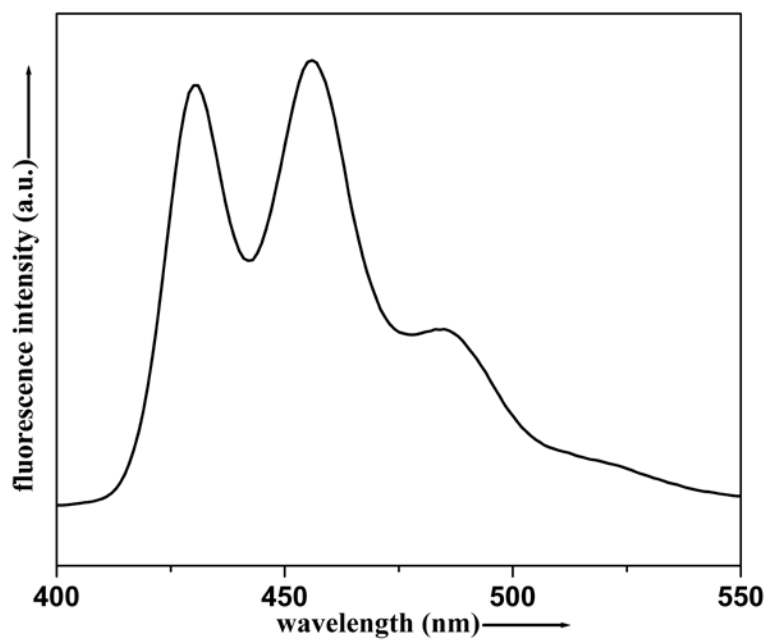


Fig.S6. Emission spectrum of the complex 3 recorded in THF at excited at 270 nm.

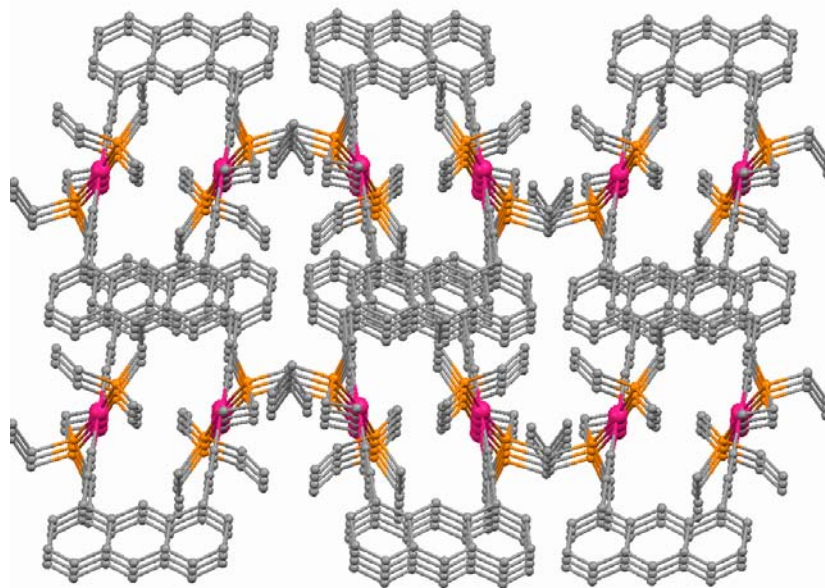


Fig S7: View of the 1D channels in the structure of complex **1** viewed along *c* axis.