Graphical Abstract


Violeta Sicilia*, Pilar Borja, José Mª Casas, Sara Fuertes, and Antonio Martín

The half-lantern compound anti-\{\{Pt(bzq)(\mu-C_7H_4NOS-κN,S)\}_2\} (2) was selectively prepared and oxidized with halogens (X₂) to give the diplatinum (III) complexes \[\{\{Pt(bzq)(\mu-C_7H_4NOS-κN,S)X\}_2\} (X = Cl 3, Br 4, I 5). Complex 2 exhibits intense luminescence at room temperature (\(\Phi = 90\%\)) which was interpreted with the help of TD-DFT calculations.