

**Ru(III)-Based Compounds with Sulfur Donor Ligands: synthesis, characterization,  
electrochemical behavior and anticancer activity.**

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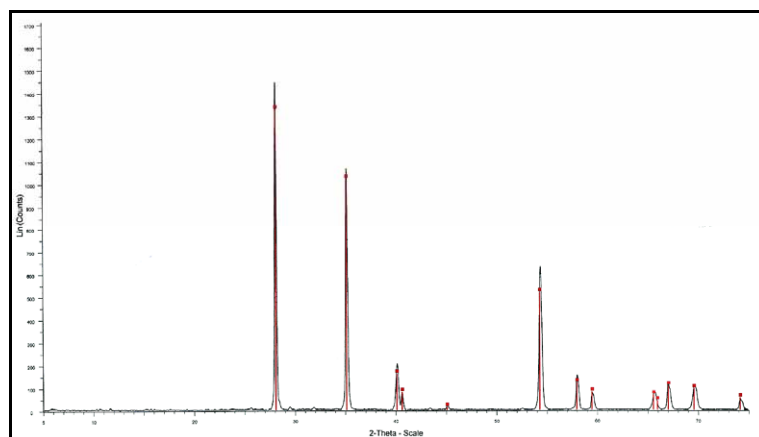
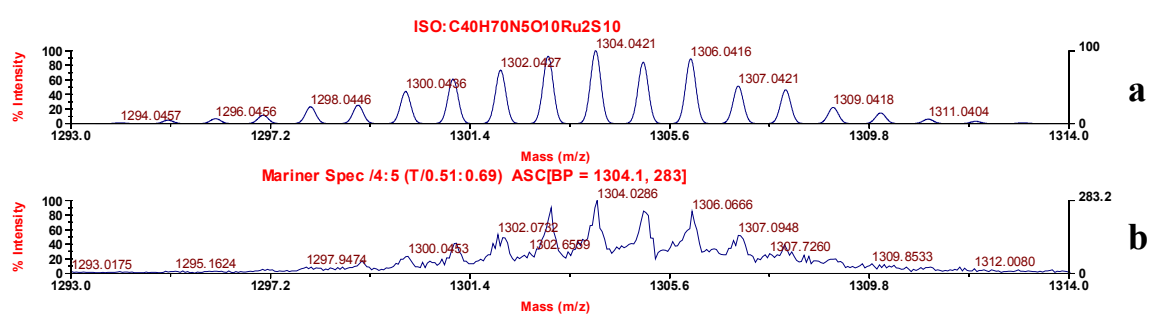
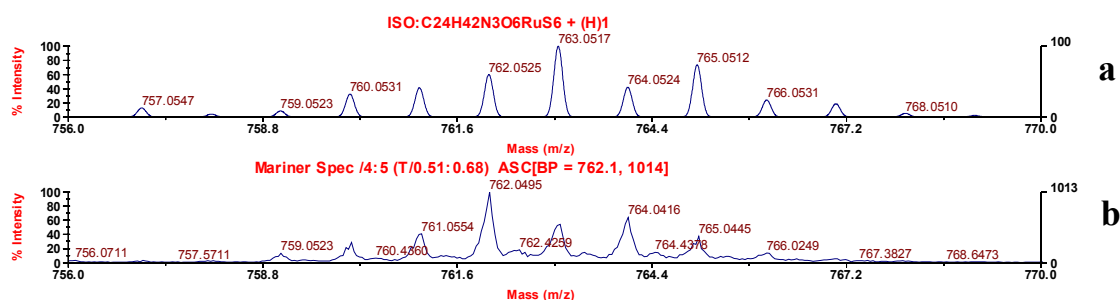


Figure S3: XRD spectrum of the final product after thermal degradation in air of the residual powder of  $[\text{Ru}(\text{ESDT})_3]$  (-) and  $\text{RuO}_2$  (-, data base).

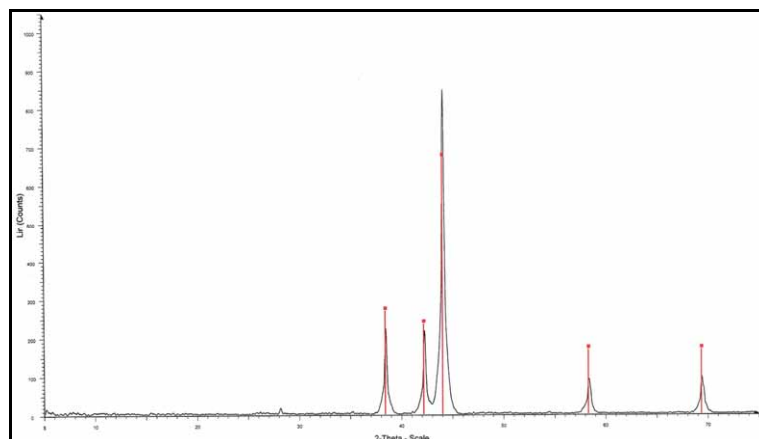


Figure S4: XRD spectrum of the final product after thermal degradation in nitrogen of the residual powder of  $[\text{Ru}(\text{ESDT})_3]$  (-) and Ru (-, data base).

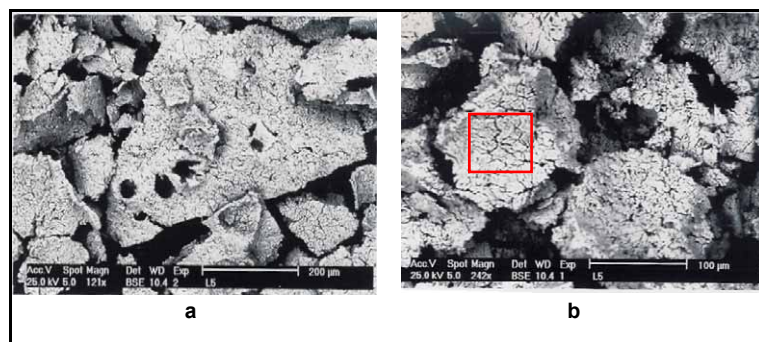


Figure S5: SEM images of the final product after thermal degradation in air of  $[\text{Ru}(\text{ESDT})_3]$  (121x (a) and 242x (b)).

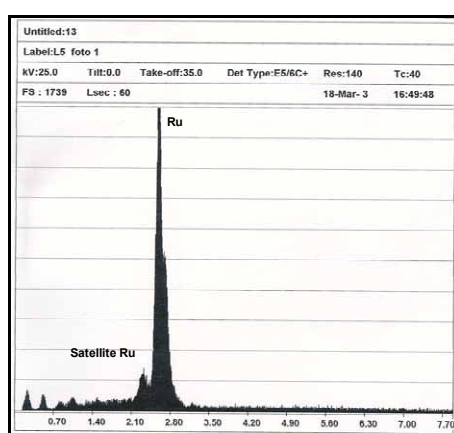


Figure S6: SEM spectrum of the red portion (see above).

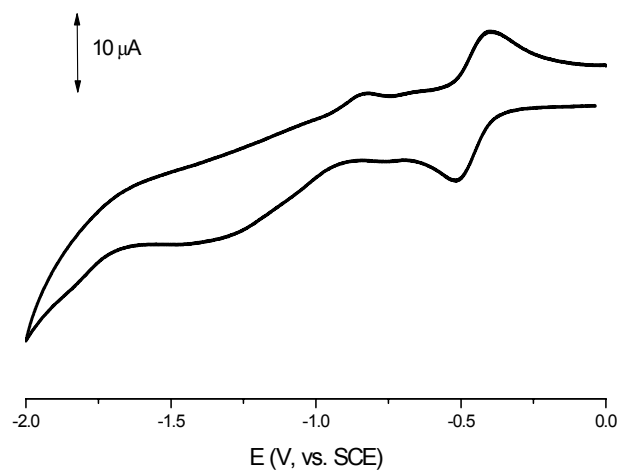


Figure S7: Cyclic voltammetric response recorded at a platinum electrode in CH<sub>2</sub>Cl<sub>2</sub> solution of [Ru<sub>2</sub>(TSDT)<sub>5</sub>]Cl (1.0x10<sup>-3</sup> mol·dm<sup>-3</sup>). [NBu<sub>4</sub>][PF<sub>6</sub>] (0.2 mol·dm<sup>-3</sup>) supporting electrolyte. Scan rate 0.2 V s<sup>-1</sup>.