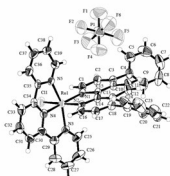


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The desired complex was prepared by a sequential procedure with ligand replacement.  $[\text{RuCl}_3] \cdot \text{H}_2\text{O}$  and 2,2':6',2''-terpyridine (terpy) were mixed in ethyleneglycol (15 ml). The suspended mixture was refluxed for 5 min. in a microwave oven under a purging nitrogen atmosphere. 4,7-Diphenyl-1,10-phenanthroline (dpphen) was added to the refluxing red solution for 10 min. A saturated aqueous solution of  $\text{KPF}_6$  (20 ml) was added, and a black-red product began to precipitate. We examined complexes **1** and **2** using X-ray analysis, CV, and UV.



Crystal data of [Ru(CH<sub>3</sub>CN)(phen)(terpy)](PF<sub>6</sub>)<sub>2</sub> (**2**) [2] Triclinic, P-1, a = 8.7861(3) Å, b = 10.3590(9) Å, c = 17.9636(7) Å, α = 99.192(7), β = 90.389(2), γ = 105.774(3), V = 1551.0 (2) Å<sup>3</sup>, Z = 2, R(F<sub>2</sub>) = 0.089, wR(F<sub>2</sub>) = 0.172 for 14369 measured reflections.

**Keywords:** microwave, ruthenium, terpyridine