

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
66	2,2'-Bipyridinecobalt(II) ion	$\text{e}_{\text{aq}}^- + \text{Co}(\text{bpy})^{2+} \longrightarrow \text{Co}(\text{bpy})^+$		3.5×10^{10}	p.r.; D.k. at 650 nm in soln. contg. 5×10^{-5} mol L ⁻¹ Co ²⁺ , 0.15 mol L ⁻¹ EtOH and 0.005 mol L ⁻¹ phosphate buffer and varied [bpy].	85A034