

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
69	4,4'-Dimethyl-2,2'-bispyridinecobalt(II) ion	$\text{e}_{\text{aq}}^- + \text{Co}(\text{dmb})_n^{2+} \longrightarrow \text{Co}(\text{dmb})_n^+$	5-7	$> 3 \times 10^{10}$	p.r.; P.b.k. in soln. contg. $(0.3\text{-}1.0) \times 10^{-1}$ mol L ⁻¹ of both CoSO ₄ and 4,4'-(CH ₃) ₂ bpy and 0.1 mol L ⁻¹ 2-PrOH; n > 1.	82A278