

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
73	Pentacyanocobaltate(III) ion	$\text{e}_{\text{aq}}^- + \text{Co}(\text{CN})_5^{3-} \longrightarrow \text{Co}(\text{CN})_5^{4-}$		1.9×10^{10}	Average of 2 values.	710097
			~13	1.2×10^{10}	p.r.; D.k. at 578 nm in soln. contg. 10^{-2} mol L ⁻¹ tert-BuOH and $\sim 10^{-5}$ mol L ⁻¹ complex and $0-3 \times 10^{-4}$ mol L ⁻¹ CN ⁻ under 1 atm H ₂ ; $k_H/k_I \simeq 1.2$.	710097
			13	1.4×10^{10}	p.r.; D.k. at 578 nm; k is the same in D ₂ O soln.	690443