

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
148	Tris(4,7-dimethyl-1,10-phenanthroline)chromium(III) ion	$\text{e}_{\text{aq}}^- + \text{Cr}(4,7\text{-Me}_2\text{phen})_3^{3+} \longrightarrow \text{Cr}(4,7\text{-Me}_2\text{phen})_3^{2+}$	$\sim 1$	$8.1 \times 10^{10}$	p.r.; D.k. at 575 nm in 1 mol L <sup>-1</sup> HCl.	81A060