

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
338	(Aqua)pentachloroosmate(IV) ion	$\text{e}_{\text{aq}}^- + \text{OsCl}_5(\text{H}_2\text{O})^- \longrightarrow \text{OsCl}_5(\text{H}_2\text{O})^{2-}$		$4.4 \times 10^{10}$	p.r.; D.k. at 700 nm in N2-satd. soln. contg. 1 mol L <sup>-1</sup> tert-BuOH and Na2SCl6; ionic strength effect on addition of NaClO4 showed that the complex was aquated; <i>k</i> cor. for <i>I</i> .	77A219