

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
413	(Isonicotinamide)pentaammineruthenium(II) ion	$\text{Ru(NH}_3)_5\text{isn}^{3+} \longrightarrow \text{Ru(NH}_3)_5\text{isn}^{2+}$	3.14	$2.8 \times 10^{10}$	p.r.; C.k. in He-satd. soln. contg. tert-BuOH and 0.1 mol L <sup>-1</sup> sodium trifluoromethanesulfonate; rel. to $k(\text{e}_{\text{aq}}^- + \text{H}^+) = 2 \times 10^{10}$ ; $I = 0.1$ .	80A317