| No. | Compound name | Reaction equation | | pH | Rate constant ($L\,mol^{-1}\,s^{-1}$) | Comments | Reference |
|---|---|---|---|---|---|---|---|
| 200 | Decaammine(dinitrogen)diruthenium(II) Ion | $OH^- + [Ru(NH_3)_5]_2N_2^{4+}$ | $\longrightarrow$ | 6.8 | $2.4 \times 10^{10}$ | p.r.; P.b.k. at 435 nm in soln. contg. $10^{-4}$ $L^{-1}$ substrate; similar value obtained by d. at 262 nm (substrate); subsequent decay and hydrolysis give $Ru(NH_3)_5N_2^{2+}$ and $Ru(NH_3)_5OH^{2+}$. | 82A135 |
| | | $(NH_3)_5RuN_2Ru(NH_3)_5OH^{4+}$ | | | | | |