No.	Compound name	Reaction equation	pH	Rate constant $(\mathrm{L\,mol^{-1}\,s^{-1}})$	Comments	Reference
138	Cyanocob(III)alamin	$e_{aq}^{-} + B_{12} \longrightarrow B_{12}r$			4.9×10^{10}	Average of 3 val
				3.8×10^{10}	p.r.; P.b.k. in Ar-satd. soln. contg. 0.1 mol L^{-1} tert-BuOH.	82A462
				3.8×10^{10}	p.r.; D.k. at 360 nm as well as p.b.k. at 310 nm.	741105
			6.1	5.2×10^{10}	p.r.; D.k. at 600 nm; also d.k. at other wavelengths 310-520 nm; at pH 11.1 $k = 3.5 \times 10^{10}$.	730116