

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
862	1,1'-Dimethyl-4,4'-bipyridinium Ion	$e_{aq}^- + MV^{2+} \longrightarrow MV^+$	9.7	$6.7 \times 10^{10}$	p.r.; P.b.k. at 392.5 nm in air-free soln. contg. $10^{-5}$ mol L <sup>-1</sup> MV <sup>2+</sup> and $10^{-3}$ mol L <sup>-1</sup> tert-BuOH.	82A216
			8.2	$8.3 \times 10^{10}$	p.r.; D.k. at 720 nm in air-free soln. contg. $10^{-5}$ mol L <sup>-1</sup> MV <sup>2+</sup> and $5 \times 10^{-3}$ mol L <sup>-1</sup> tert-BuOH.	82A216
				$5.4 \times 10^{10}$	p.r.; D.k. at 550 nm as well as p.b.k. at 395 nm in deaearted soln. contg. 0.1 mol L <sup>-1</sup> tert-BuOH with (2-10) $\times 10^{-6}$ mol L <sup>-1</sup> MVCl <sub>2</sub> .	78A246
				$7.0 \times 10^{10}$	p.r.; D.k. in aerated soln.; counterion Cl <sup>-</sup> .	771177
				$8.4 \times 10^{10}$	p.r.; D.k. at 700 nm; counterion Cl <sup>-</sup> .	731074