

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
1187	Methylene Blue cation	$\text{e}_{\text{aq}}^- + \text{MB}^+ \longrightarrow \text{MB}^\bullet$		2.5×10^{10}	Average of 4 values.	
			7.5	2.2×10^{10}	p.r.; D.k. at 730 nm in Ar-satd. soln. contg. 2×10^{-2} mol L ⁻¹ tert-BuOH and 10^{-5} mol L ⁻¹ dye.	82A258
			7.4	3.1×10^{10}	p.r.; D.k. at 720 nm in soln. contg. formate; k decreases with addn. of heparin.	79A413
			7.4	2.4×10^{10}	p.r.; D.k. at 720 nm; soln. contains 10^{-2} mol L ⁻¹ glucose; also studied effect of various polyanions on rate.	680238
			7.8	2.5×10^{10}	p.r.; D.k. at 520 nm (e_{aq}^-) as well as d.k. at 580 nm (dye) and p.b.k. at 425 nm (semiquinone), soln. contains 10^{-1} mol L ⁻¹ formate.	650396