

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
589	Aniline	$\text{e}_{\text{aq}}^- + \text{C}_6\text{H}_5\text{NH}_2 \longrightarrow \text{OH}^- + \text{C}_6\text{H}_8\text{NH}_2$		2.8×10^7	Average of 2 values.	
			9.0	3.0×10^7	p.r.; D.k. at 720 nm in soln. contg. 1-4 mol L ⁻¹ tert-BuOH and $5\text{-}10 \times 10^{-4}$ mol L ⁻¹ aniline.	86A365
			10	2.6×10^7	p.r.; D.k.	720289
			11.94	$< 2 \times 10^7$	p.r.; D.k. at 578 nm.	640044