

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
731	4-Chlorobenzenediazonium Ion	$\text{e}_{\text{aq}}^- + 4\text{-ClC}_6\text{H}_4\text{N}_2^+ \longrightarrow 4\text{-ClC}_6\text{H}_4\text{N}_2\cdot$		$3.7 \times 10^{10}$	Average of 2 values.	
				$5.1 \times 10^{10}$	p.r.; D.k. at 600 nm in N <sub>2</sub> -purged soln. contg. <i>tert</i> -BuOH; counterion tetrafluoroborate.	81A297
				$2.4 \times 10^{10}$	p.r.; D.k. at 700 nm in 50:50 (v:v) H <sub>2</sub> O- <i>tert</i> -BuOH; counterion tetrafluoroborate.	80A200