

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
1158	4-Methoxybenzenediazonium Ion	$\text{e}_{\text{aq}}^- + \text{p-CH}_3\text{OC}_6\text{H}_4\text{N}_2^+ \longrightarrow$ $4\text{-CH}_3\text{OC}_6\text{H}_4\text{N}_2$			$3.8 \times 10^{10}$	Average of 2 va
				$4.4 \times 10^{10}$	p.r.; D.k. at 600 nm in N <sub>2</sub> -purged soln. contg. <i>tert</i> -BuOH; counterion tetrafluoroborate.	81A297
				$3.2 \times 10^{10}$	p.r.; D.k. at 700 nm in 50:50 (v:v) H <sub>2</sub> O- <i>tert</i> -BuOH; counterion tetrafluoroborate.	80A200