

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments
1233	Naphthalene	$\text{e}_{\text{aq}}^- + \text{C}_{10}\text{H}_8 \longrightarrow [\text{C}_{10}\text{H}_8]^{-\bullet}$		5.1×10^9	Average of p.r.; D.k. L ⁻¹ EtOH
				5.0×10^9	
				5×10^9	
				p.r.; D.k. in 1% MeOH soln.; $k = 2.9 \times 10^{10}$ in CTAB (3.0×10^{10} by p.b.k.).	
		12.1	5×10^9	p.r.; D.k.	741011
		~11	5.4×10^9		040138