

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
661	Biphenyl	$\text{e}_{\text{aq}}^- + \text{C}_6\text{H}_5\text{C}_6\text{H}_5 \longrightarrow [\text{C}_6\text{H}_5\text{C}_6\text{H}_5]^-$		9.5×10^9	Average of 2 values.	
			9	1.2×10^{10}	p.r.; P.b.k. at 390 nm as well as d.k. at 700 nm.	751096
			12.1	7×10^9	p.r.; D.k. in soln. contg. 1% MeOH; $k = 2.1\text{-}2.3 \times 10^{10}$ in soln. contg. CTAB	741011