

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
634	Benzonitrile	$\text{e}_{\text{aq}}^- + \text{C}_6\text{H}_5\text{CN} \longrightarrow [\text{C}_6\text{H}_5\text{CN}]^{\bullet-}$	7.16	$1.9 \times 10^{10}$	p.r.; D.k. at 600 nm; soln. contains $5 \times 10^{-2}$ mol L <sup>-1</sup> formate; p.b.k. at 315 nm gave $1.7 \times 10^{10}$ .	700657