

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
1148	Methacrylic acid	$\text{e}_{\text{aq}}^- + \text{H}_2\text{C}=\text{C}(\text{CH}_3)\text{CO}_2\text{H} \longrightarrow [\text{CH}_2\text{C}(\text{CH}_3)\text{CO}_2\text{H}]^-$	2.0-3.7	$1.9 \times 10^{10}$	p.r.; C.k. in soln. contg. 0.1 mol L <sup>-1</sup> <i>tert</i> -BuOH; rel. to $k(\text{e}_{\text{aq}}^- + \text{H}^+)$ .	761113