

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
1047	trans,trans-2,4-Hexadienoic acid	$\text{e}_{\text{aq}}^- + \text{CH}_3\text{CH}=\text{CHCH}=\text{CHCO}_2\text{H} \longrightarrow [\text{CH}_3\text{CHCHCHCHCO}_2\text{H}]^-$	2.0-3.7	2.9×10^{10}	p.r.; C.k. in soln. contg. 0.1 mol L ⁻¹ tert-BuOH; rel. to $k(\text{e}_{\text{aq}}^- + \text{H}^+)$.	761113