

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
1115	Lactic acid	e _{aq} ⁻ + CH ₃ CH(OH)CO ₂ H → OH ⁻ + CH ₃ CHOHCHO	3.0	8 × 10 ⁸	γ-r.; C.k.; obs. G(Br ⁻); pK _a = 3.82; <i>k</i> _{obs} = 6.8 × 10 ⁸ at pH 3 and 5.8 × 10 ⁷ at pH 7; rel. to <i>k</i> (e _{aq} ⁻ + BrPhOH).	720027
			3-4	6.3 × 10 ⁸	γ-r.; C.k.; ratio of formn. of OH ⁻ (and CH ₃ CHOHCO ₂ ⁻) to OH ⁻ (and CH ₃ CHOHCO) << 0.1; rel. to <i>k</i> (e _{aq} ⁻ + H ⁺) = 1.6 × 10 ¹⁰ ; <i>I</i> = 0.05.	720057