

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
1330	Phenylbutyrate ion	$\text{e}_{\text{aq}}^- + \text{C}_6\text{H}_5(\text{CH}_2)_3\text{CO}_2^- \longrightarrow$	9-11.5	$1.3 \times 10^7$	p.r.; D.k. at 720 nm in Ar-satd. soln. contg. 0.1 mol L <sup>-1</sup> <i>tert</i> -BuOH and 10 <sup>-1</sup> -10 <sup>-2</sup> mol L <sup>-1</sup> carboxylate.	85A158