

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
1340	Phthalate ion, hydrogen	$\text{e}_{\text{aq}}^- + 1,2\text{-C}_6\text{H}_4(\text{CO}_2^-)\text{CO}_2\text{H} \longrightarrow$	5.6	1.1×10^{10}	p.r.; D.k.; k calcd. from $k_{\text{obs}} = 6.2 \times 10^9$ assuming solute is 1:1 mixture of mono- and dianion.	650018