

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
1320	Phenylacetone	$\text{e}_{\text{aq}}^- + \text{C}_6\text{H}_5\text{CH}_2\text{COCH}_3 \longrightarrow \text{C}_6\text{H}_5\text{CH}_2\text{C}(\text{O}^-)\text{CH}_3$	~ 9.2	$1.2 \times 10^{10}$	p.r.; D.k. at 700 nm in soln. contg. 0.1 mol L <sup>-1</sup> <i>tert</i> -BuOH.	720171