

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
789	Cyclohexanone	$\text{e}_{\text{aq}}^- + (\text{CH}_2)_5\text{CO} \longrightarrow$ $-\text{CH}_2\text{CO}^-(\text{CH}_2)_4-$	7.2	$7.2 \times 10^9$	p.r.; D.k. at 600 nm in soln. contg. 0.1 mol L <sup>-1</sup> tert-BuOH; rate constant for 3 °C; at 64° $k = 2.5 \times 10^{10}$ .	761103