

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments
1353	Propionamide	$\text{e}_{\text{aq}}^- + \text{C}_2\text{H}_5\text{CONH}_2 \longrightarrow$		$4.7 \times 10^7$	Average of 2 values.
		9.2	$5.4 \times 10^7$	p.r.; D.k. in borate buffer contg. 0.5 mol L <sup>-1</sup> tert-BuOH.	710414
		~ 6	$3.9 \times 10^7$	p.r.; D.k. at 580 nm; soln. satd. with ethylene.	700052