

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
1142	2-Mercaptopropionate Ion	$\text{e}_{\text{aq}}^- + \text{CH}_3\text{CH}(\text{SH})\text{CO}_2^- \longrightarrow \text{CH}_3\text{CHCO}_2^- + \text{HS}^-$	7.2	5.0×10^9	p.r.; D.k. at 700 nm in soln. contg. 0.1 mol L ⁻¹ tert-BuOH; p <i>K</i> _a \simeq 4, 10.7. at pH 12.2 $k = 7.7 \times 10^8$.	730090