

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
870	3-Mercaptopropionate Ion	$\cdot\text{OH} + \text{HSCH}_2\text{CH}_2\text{CO}_2^- \longrightarrow \cdot\text{SCH}_2\text{CH}_2\text{CO}_2^- + \text{H}_2\text{O}$	6.0	3.0×10^{10}	p.r.; C.k.; $pK_a = 4.3, 10.3$; at pH 10.7 $k = 2.1 \times 10^{10}$; rel. to $k(\cdot\text{OH} + \text{SCN}^-)$.	730090