

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
869	2-Mercaptopropionate Ion	$\cdot\text{OH} + \text{CH}_3\text{CH}(\text{SH})\text{CO}_2^- \longrightarrow \cdot\text{SCH}(\text{CH}_3)\text{CO}_2^- + \text{H}_2\text{O}$	7.2	$1.7 \times 10^{10}$	p.r.; C.k.; $pK_a \approx 4, 10.7$ ; at pH 10.8 $k = 1.6 \times 10^{10}$ ; rel. to k( $\cdot\text{OH} + \text{SCN}^-$ ).	730000