

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
805	Cystine, dimethyl ester	$\text{e}_{\text{aq}}^- + \text{S}_2[\text{CH}_2\text{CH}(\text{NH}_3^+)\text{CO}_2\text{CH}_3]_2 \longrightarrow$ $\cdot \text{S}_2[\text{CH}_2\text{CH}(\text{NH}_3^+)\text{CO}_2\text{CH}_3]_2^-$	6.3	$5.1 \times 10^{10}$	p.r.; D.k.; $pK_a$ 6.9; at pH 9.2 $k = 2.1 \times 10^{10}$ .	720388