

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
1148	Serine	$\begin{array}{c} \cdot\text{OH} + \text{Ser} \longrightarrow \\ \cdot\text{CHOHCH}(\text{NH}_3^+)\text{CO}_2^- \end{array}$	$\text{H}_2\text{O} + 5.5\text{-}6$	$3.2 \times 10^8$	p.r.; C.k.; $pK_{\text{a}} = 2.21, 9.15$ ; at pH 2-2.2 $k = 2.5 \times 10^8$ ; rel. to $k(\cdot\text{OH} + \text{SCN}^-)$ .	650388