

Thallium(I)

Reaction	Baes and Mesmer, 1976	Brown and Ekberg, 2016
$\text{Tl}^+ + \text{H}_2\text{O} \rightleftharpoons \text{TlOH} + \text{H}^+$	-13.21	
$\text{Tl}^+ + \text{OH}^- \rightleftharpoons \text{TlOH}$		0.64 ± 0.05
$\text{Tl}^+ + 2 \text{OH}^- \rightleftharpoons \text{Tl}(\text{OH})_2^-$		-0.7 ± 0.7
$\frac{1}{2} \text{Tl}_2\text{O}(\text{s}) + \text{H}^+ \rightleftharpoons \text{Tl}^+ + \frac{1}{2} \text{H}_2\text{O}$		13.55 ± 0.20

C.F. Baes and R.E. Mesmer, *The Hydrolysis of Cations*. Wiley, New York, 1976, p. 335.

P.L. Brown and C. Ekberg, *Hydrolysis of Metal Ions*. Wiley, 2016, pp. 817–826.