

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
90	Mercury(II) ion	$\text{H}^\bullet + \text{Hg}^{2+} \longrightarrow \text{H}^+ + \text{Hg}^+$			2.0×10^9	Average of 2 va
			acid	$\sim 2.1 \times 10^9$	p.r.; C.k.; rel. to $k(\text{H}^\bullet + \text{O}_2)$.	751218
			1.5	1.9×10^9	γ -r.; C.k.; rel. to $k(\text{H}^\bullet + 2\text{-PrOH})$.	690275