

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
161	Chlorothallium(III) Ion	$\text{H}^\bullet + \text{TlCl}^{2+} \longrightarrow \text{HCl} + \text{Tl}^{2+}$	~ 0	5×10^8	p.r.; P.b.k. at 290 nm in soln. contg. 1 mol L ⁻¹ HClO ₄ , 3×10^{-3} mol L ⁻¹ HCl and 3×10^{-3} mol L ⁻¹ Tl(III); ligand abstr. mechanism proposed.	741038