

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
3	Tetrachloroaurate(III) Ion	$\text{H}^\bullet + \text{AuCl}_4^- \longrightarrow \text{H}^+ + \text{AuCl}_4^{2-}$	4	5.7×10^9	p.r.; P.b.k. at 330 nm in soln. contg. MeOH and 0.01 mol L ⁻¹ KCl.	680302