

No.	Compound name		Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
61	Pentaammine(4-nitrobenzoato)cobalt(III) (PNBPA)	Ion	$\text{H}^\bullet + \text{p-O}_2\text{NC}_6\text{H}_4\text{CO}_2\text{Co}(\text{NH}_3)_5^{2+} \longrightarrow \text{Co}(\text{NH}_3)_5\text{O}_2\text{CC}_6\text{H}_5-4\text{-NO}_2^{2+}$	1	1.9×10^9	p.r.; P.b.k. at 410 nm in soln. contg. 1 mol L ⁻¹ tert-BuOH: abs. spectrum indicates ring addn.	771027