

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
25	Pentaamminebromocobalt(III) ion	$\text{H}^\cdot + \text{Co}(\text{NH}_3)_5\text{Br}^{2+} \longrightarrow \text{Co}(\text{NH}_3)_5\text{Br}^{\cdot+}$	1	6.3×10^9	v-r.; C.k.; rel. to k(H [·] + EtOH).	660010
			4-6	1×10^9	v-r.; C.k.; rel. to k(H [·] + CH ₃ CDOHCH ₃).	650085