

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
38	Pentaammineiodocobalt(III) Ion	$\text{H}^\bullet + \text{Co}(\text{NH}_3)_5\text{I}^{2+} \longrightarrow \text{Co}(\text{NH}_3)_5\text{I}^+$	1	1.5×10^{10}	γ -r.; C.k.; rel. to $k(\text{H}^\bullet + \text{EtOH})$.	660010