

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
39	Pentaammine(azido)cobalt(III) ion	$\text{H}^\cdot + \text{Co}(\text{NH}_3)_5\text{N}_3^{2+} \longrightarrow$		4.7×10^8	Average of 2 values.	
			1	4.9×10^8	γ -r.; C.k.; rel. to $k(\text{H}^\cdot + \text{EtOH})$.	660010
			4-6	4.4×10^8	γ -r.; C.k.; rel. to $k(\text{H}^\cdot + \text{CH}_3\text{CHOHCH}_3)$.	650085