

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
45	Pentaammine(thiocyanato-N)cobalt(III) Ion	$\text{H} \cdot + \text{Co}(\text{NH}_3)_5\text{NCS}^{2+} \longrightarrow$	1	$2.8 \times 10^9$	$\gamma$ -r.; C.k.; rel. to $k(\text{H} \cdot + \text{EtOH})$ .	660010