

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
55	Pentaammine(pentanoato)cobalt(III) Ion	$\text{H}^+ + \text{Co}(\text{NH}_3)_5\text{O}_2\text{C}(\text{CH}_2)_3\text{CH}_3^{2+} \longrightarrow$		$3.8 \times 10^6$	e.d.; Detd. from dose rate of H atoms and amount of redn. product.	730512