

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
180	Tetraammineplatinum(II) ion	$\cdot\text{OH} + \text{Pt}(\text{NH}_3)_4^{2+} \longrightarrow \text{Pt}(\text{NH}_3)_4(\text{H}_2\text{O})\text{OH}^{2+}$	$\sim 5.6$	$6.6 \times 10^9$	p.r.; P.b.k. at 315 nm in soln. contg. (18-62) $\times 10^{-6}$ mol L <sup>-1</sup> Pt(NH <sub>3</sub> ) <sub>4</sub> (ClO <sub>4</sub> ) <sub>2</sub>	82A074