

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
131	Tetraammineplatinum(II) Ion	$\text{H} \cdot + \text{Pt}(\text{NH}_3)_4^{2+} \longrightarrow \text{HPt}(\text{NH}_3)_4^{2+}$	1.1-2.9	$2.8 \times 10^{10}$	p.r.; P.b.k. at 260-300, 420, and 425 nm in soln. 81A353 contg. 0.1-0.2 mol L <sup>-1</sup> <i>tert</i> -BuOH and (1.5-24.5) $\times 10^{-5}$ mol L <sup>-1</sup> complex.	81A353