

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
84	Tris(1,10-phenanthroline)iron(III) Ion	$\text{H}^+ + \text{Fe}(\text{phen})_3^{3+} \longrightarrow \text{Fe}(\text{phen})_3^{2+} + \text{H}^+$		$4.5 \times 10^9$	Average of 2 values.	