

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
97	Tris(1,10-phenanthroline)iron(III) Ion	$\cdot \text{OH} + \text{Fe(phen)}_3^{3+} \longrightarrow \text{Fe(phen)}_2(\text{phen-OH})^{3+}$	<1	$\sim 7 \times 10^9$	p.r.; P.b.k. at 490 nm; k estd. from $k_{obs} = 5 \times 10^9$ ($G = 5\text{--}6$) and k for H atoms (4×10^9).	85A284