

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
1312	1,10-Phenanthroline	e _{aq} ⁻ + phen → [phen] ^{•-}	7	1.8 × 10 ¹⁰	p.r.; D.k. at 800 or 900 nm in soln. contg. 1 mol L ⁻¹ tert-BuOH; in 0.4 mol L ⁻¹ NaOH <i>k</i> = 1.5 × 10 ¹⁰ .	80A115