

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
474	1,10-Phenanthroline, conjugate acid	$\text{H}\cdot + \text{phenH}^+ \longrightarrow (\text{phenH}_2)^{\cdot+}$	1	3.3×10^9	p.r.; P.b.k. at 660 and 430 nm in deaerated soln. contg. 1 mol L ⁻¹ tert-BuOH and HClO ₄ .	80A115