

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
201	Tris(2,2'-bipyridine)ruthenium(II) Ion	$\cdot\text{OH} + \text{Ru}(\text{bpy})_3^{2+} \longrightarrow \text{Ru}(\text{bpy})_2(\text{bpyOH})^{2+}$		6.9×10^9	Average of 2 values.	
			~ 7	6.8×10^9	p.r.; P.b.k. at 750 nm in unbuffered soln.	86A034
			3-7	7.0×10^9	p.r.; P.b.k. at 760 nm.	86A044