

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
397	Tris(2,2'-bipyridine)rhodium(III) ion	$e_{\text{aq}}^- + \text{Rh}(\text{bpy})_3^{3+} \longrightarrow \text{Rh}(\text{bpy})_3^{2+}$	7	$8.1 \times 10^{10}$	p.r.; D.k. at 578 ( $e_{\text{aq}}^-$ ) or 320 (substrate), as well as p.b.k. at 270 nm in Ar-purged soln. contg. 0.5 mol L <sup>-1</sup> MeOH.	81A134