

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
1123	Lumazine	$\text{e}_{\text{aq}}^- + \text{LH}_2 \longrightarrow (\text{LH}_2)^{\cdot-}$	6.3	2.9×10^{10}	p.r.; D.k. at 700 nm in Ar-satd. soln. contg. ~ 0.1 mol L ⁻¹ <i>tert</i> -BuOH. At pH 9.0 and 14.0 $k = 2.1 \times 10^{10}$ and 1.9×10^{10} , resp.	751056