

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
1122	Lipoate Ion	$\text{e}_{\text{aq}}^- + \text{RSSR} \longrightarrow \text{RSSR}^{\bullet-}$		1.5×10^{10}	Average of 3 values.	
			6.5	1.5×10^{10}	p.r.; P.b.k. at 400 nm in soln. contg. 0.3 mol L ⁻¹ diglycine, 1 mol L ⁻¹ <i>tert</i> -BuOH and $5\text{--}40 \times 10^{-4}$ mol L ⁻¹ lipoate.	731146
			7.0	1.5×10^{10}	p.r.; D.k. at 700 nm in soln. contg. ~ 0.1 mol L ⁻¹ <i>tert</i> -BuOH.	720388
			7	1.5×10^{10}	p.r.; D.k. at 600 nm in soln. contg. 1 mol L ⁻¹ <i>tert</i> -BuOH.	700560