

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
1453	Thionine cation	e _{aq} ⁻ + Th ⁺ →	7.6	1.1 × 10 ¹⁰	p.r.; D.k. at 650 nm in soln. contg. 2 × 10 ⁻² mol L ⁻¹ tert-BuOH and 10 ⁻⁵ mol L ⁻¹ dye; <i>pK_a</i> = 6.9.	82A258