

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
1100	Protoporphyrin IX, dimethyl ester	.OH + C ₃₆ H ₃₈ N ₄ O ₄ →		6.0 × 10 ¹⁰	Average of 2 values.	
				6.0 × 10 ¹⁰	γ-r.; C.k. in air-satd. 2N H ₂ SO ₄ soln. contg. 1.5 × 10 ⁻³ mol L ⁻¹ tert-BuOH; rel. to <i>k</i> (.OH + tert-BuOH).	80A392
				6.1 × 10 ¹⁰	γ-r.; C.k. in air-satd. 2N H ₂ SO ₄ soln. contg. 10 ⁻⁴ mol L ⁻¹ thymine; rel. to <i>k</i> (.OH + 5-MeU).	80A392