

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
13	Acetophenone		13	2.0×10^{10}	p.r.; D.k.; also p.b.k. for formn. of ketyl radical ($\lambda_{\max} = 440$ nm) and cyclohexadienyl radical ($\lambda_{\max} = 315$ nm). C.k. with O ₂ in soln. contg. 10 ⁻² mol L ⁻¹ formate was used to det. rate of formation of the ketyl radical 1.6×10^{10} .	80A254
			~ 9.2	2.8×10^{10}	p.r.; D.k. at 700 nm in soln. contg. 0.1 mol L ⁻¹ <i>tert</i> -BuOH.	720171