

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
232	Benzophenone	$\text{H}^\bullet + (\text{C}_6\text{H}_5)_2\text{CO} \longrightarrow \text{C}_6\text{H}_5\text{COC}_6\text{H}_5$		6.1×10^9	Average of 2 values.	
			1	6.6×10^9	p.r.; P.b.k. at 390 nm in soln. contg. 0.1 mol L ⁻¹ tert-BuOH.	751125
			1.0	5.6×10^9	p.r.; P.b.k. (H adduct); tert-BuOH as OH scavenger.	720171