

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
342	1,1-Diphenylethylene	$\text{H}^\bullet + (\text{C}_6\text{H}_5)_2\text{C}=\text{CH}_2 \longrightarrow (\text{C}_6\text{H}_5)_2\text{CCH}_3$	1	6.7×10^9	p.r.; P.b.k. at 330 nm; soln. contg. 2.0 mol L ⁻¹ <i>tert</i> -BuOH.	77A236