

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
282	2-Chlorophenol	$\text{H}^\bullet + \text{ClC}_6\text{H}_4\text{OH} \longrightarrow \text{2-HOC}_6\text{H}_5\text{Cl}$	2.0	1.5×10^9	p.r.; P.b.k. at 340 nm in deoxygenated soln.; contg. $1 - 10 \times 10^{-3}$ mol L ⁻¹ substrate and 0.5-2.5 mol L ⁻¹ <i>tert</i> -BuOH.	86A463