

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
1007	4-Nitrophenol	$\cdot\text{OH} + 4\text{-O}_2\text{NC}_6\text{H}_4\text{OH} \longrightarrow 4\text{-HOC}_6\text{H}_4\text{NO}_3^- + \text{H}^+$	7	3.8×10^9	p.r.; P.b.k. at 290 nm, as well as d.k. at 400 nm; $pK_a = 7.14$.	680303