

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
456	p-Nitroanilinium Ion	$\text{H} \cdot + \text{O}_2\text{NC}_6\text{H}_4\text{NH}_3^+ \longrightarrow [\text{O}_2\text{NC}_6\text{H}_4\text{NH}_3]\cdot$	2.4	2.0×10^9	p.r.; P.b.k. at 300 nm (protonated radical ion) in Ar-satd. soln. contg. 0.1 mol L ⁻¹ <i>tert</i> -BuOH and HClO ₄ . $pK_a = 3.29$	771118