

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
69	N,N-Dimethylaniline	$\text{O}^{\cdot-} + \text{C}_6\text{H}_5\text{N}(\text{CH}_3)_2 \longrightarrow [\text{C}_6\text{H}_5\text{N}(\text{CH}_3)_2]^{\cdot+}$		$3.9 \times 10^9$	p.r.; P.b.k. at 330 nm in N2O-satd. soln. contg. 0.6 mol L <sup>-1</sup> NaOH and 0.005 mol L <sup>-1</sup> amine.	82A438