

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
623	Diphenylamine	$\cdot OH + (C_6H_5)_2NH \longrightarrow$ $HOC_6H_5NH C_6H_5$		1.2×10^{10}	Average of 2 values.	
			3-9	1.0×10^{10}	p.r.; P.b.k. at 365 nm in N2O-satd. soln.	85A283
			9	1.3×10^{10}	γ -r.; C.k.; rel. to $k(\cdot OH + RNO)$.	690280