

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments
954	2-Methyl-2-propanol	$\cdot\text{OH} + (\text{CH}_3)_3\text{COH} \longrightarrow \text{H}_2\text{O} +$ $\cdot\text{CH}_2\text{C}(\text{CH}_3)_2\text{OH} \quad (95.7\%) +$ $(\text{CH}_3)_3\text{CO}\cdot \quad (4.3\%)$		6.0×10^8	Selected value. p.r.; 59, and 79°C; rel. to
			6.6×10^8	p.r.; C.k.; obs. ABTS ⁺ formn. at 415 nm; rel. to $k(\cdot\text{OH} + \text{ABTS})$.	82A196
6				6.0×10^8	p.r.; D.k. at 280 m BuOH.
7				7.6×10^8	
nat.				5.9×10^8	p.r.; C.k.; rel. to $k(\cdot\text{OH} + \text{ABTS})$.
7				4.2×10^8	p.r.; C.k.; rel. to $k(\cdot\text{OH} + \text{ABTS})$.