

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
251	Acetone	$\cdot\text{OH} + \text{CH}_3\text{COCH}_3 \longrightarrow$		1.1×10^8	Average of 4 values.	
			6	1.3×10^8	p.r.; C.k.; obs. ABTS ^{•+} formn. at 415 nm; rel. to $k(\cdot\text{OH} + \text{ABTS})$.	82A196
			nat.	1.4×10^8	p.r.; C.k.; rel. to $k(\cdot\text{OH} + \text{Fe}(\text{CN})_6^{4-})$.	710578
			7	8.3×10^7	p.r.; C.k.; rel. to $k(\cdot\text{OH} + \text{I}^-)$.	650010
			6-7	9.7×10^7	p.r.; C.k.; rel. to $k(\cdot\text{OH} + \text{SCN}^-)$.	650387