

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments
777	Hydroquinone	$\cdot\text{OH} + 1,4\text{-C}_6\text{H}_4(\text{OH})_2 \longrightarrow \text{C}_6\text{H}_4(\text{OH})_3$		$5.2 \times 10^9$	p.r.; P.L. $10^{-2}$ m; der arg
			$1.0 \times 10^{10}$	p.r.; C.k. with $\text{HSO}_4^-$ ; obs. decreased abs. at 450 nm; rel. to $k(\cdot\text{OH} + \text{MeOH})$ .	660019
		6-7	$2.1 \times 10^{10}$	p.r.; C.k.; rel. to $k(\cdot\text{OH} + \text{SCN}^-)$ .	650387