No.	Compound name	Reaction equation	pH	Rate constant ($L\,mol^{-1}\,s^{-1}$)	Comments
805	-Hydroxy-2,5,7,8-tetramethylchroman-2-carboxylate Ion	$.OH + HTC \cdot CO_2^- \longrightarrow$		$8 \times 10^{10\,b}$	p.r.; C.k.; obs. DCIP transient at 610 nm; $k = 6 \times 10^{10}$ when DCIP transient was obs. at 455 nm; rel. to $k(.OH + DCIP)$.
				$4.0 \times 10^{10\,b}$	p.r.; C.k.; soln. contains 5×10^{-3} mol L^{-1} acetonitrile; $k = 3.9 \times 10^{10}$ with 2×10^{-3} mol L^{-1} acetonitrile; rel. to $k(.OH + tert{-}BuOH)$.
		6.9	$2 \times 10^{10\,b}$	p.r.; C.k.; rel. to $k(.OH + SCN^-)$.	82N221