No.	Compound name	Reaction equation	pH	Rate constant $(\mathrm{L\,mol^{-1}\,s^{-1}})$	
497	Acetic acid	$e_{aq}^- + CH_3CO_2H \longrightarrow H^{\cdot} + CH_3CO_2^-$		2.0×10^8	
				2.2×10^8	p.r.; D.k.
			5.4	1.8×10^8	p.r.; D.k. at 578 nm, concn. 10^{-4}-10^{-2} mol L^{-1}; calcd. contribution for unionized acid al