

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
229	Benzoate Ion	$\text{H}^\bullet + \text{C}_6\text{H}_5\text{CO}_2^- \longrightarrow \text{C}_6\text{H}_6\text{CO}_2^-$		1.1×10^9	Average of 2 values.	
			7	8.5×10^8	e.r.; esr; Decay of spin polarization, compared with EtOH. in phosphate buffered soln.; rel. to $k(\text{H}^\bullet + \text{BzOH})$.	720039
			8-9	1.3×10^9	γ -r.; C.k.; rel. to $k(\text{H}^\bullet + 2\text{-PrOH})$.	660500