

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
337	Ascorbic acid	$\bullet\text{OH} + \text{AH}_2 \longrightarrow \text{H}_2\text{O} + \bullet\text{AH}$		1.0×10^{10}	Average of 2 values.	
			1.5	8.2×10^9	p.r.; C.k.; rel. to $k(\bullet\text{OH} + \text{SCN}^-)$	720266
			1	1.2×10^{10}	p.r.; C.k.; rel. to $k(\bullet\text{OH} + \text{SCN}^-)$	650387