

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
680	Fumaric acid	$\cdot\text{OH} + \text{HO}_2\text{CCH}=\text{CHCO}_2\text{H} \longrightarrow \text{HO}_2\text{CCHOHCHCO}_2\text{H}$	4-10.5	6.0×10^9	p.r.; P.b.k. at 280-400 nm; k independent of wavelength and pH; $pK_a = 3.03, 4.44$.	85A487