

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
1152	Succinic acid	.OH + HO <sub>2</sub> CCH <sub>2</sub> CH <sub>2</sub> CO <sub>2</sub> H HO <sub>2</sub> CCHCH <sub>2</sub> CO <sub>2</sub> H + H <sub>2</sub> O	→ 1.5–10	3.1 × 10 <sup>8</sup>	p.r.; P.b.k. at 250–350 nm; <i>k</i> independent of wave-length and pH; <i>pK<sub>a</sub></i> = 4.16; 5.61.	85A487